Department of Energy

Bonneville Power Administration
P.O. Box 3621
Portland, Oregon 97208-3621

PUBLIC AFFAIRS

November 22, 2010

In reply refer to: DK-7

Richard van Dijk
Another Way BPA

Ex 6

RE: FOIA BPA-2010-01817-F

Dear Mr. van Dijk:

This is the final response to your Freedom of Information Act (FOIA) request that Bonneville Power Administration (BPA) received on August 2, 2010.

You requested the following records about the John Day/McNary Project:

1) The RFQ package with specifications for the following items: Construction of the towers. The actual towers, insulators, mounting hardware and conductor cable.
2) Names and addresses of all companies invited to bid on these items.
3) Names and addresses of all companies that submitted bids on these items.
4) Quotes submitted by the successful bidders.
5) Contracts issued by BPA.
6) Country of manufacture for successful bid for items listed in [request] 1 above.

This response is for your requests 1-6 that are related to the construction contract. (The materials contracts for the towers, insulators, mounting hardware, and conductor cable are separate contracts.)

Response:

1) The RFO and Supplemental Specifications are enclosed.
2) and 3) The companies invited to, and which did submit bids, are the identical. The list is enclosed.
4) The request for the quote submitted by the successful bidder is denied. Exemption 3 of FOIA requires the withholding of information that is prohibited from disclosure by another federal statute. 5 U.S.C. § 552(b)(3). 41 U.S.C. §253b(m) prohibits an agency from disclosing under FOIA a proposal that is in the possession or control of the agency, unless that proposal is set forth or incorporated by reference in a contract between the agency and the contractor. That did not occur here. Therefore, the "quote" (i.e. the proposal) is withheld in its entirety.
5) The contract and all amendments are enclosed.
6) There are no responsive documents.

If you are dissatisfied with this determination, you may make an appeal within thirty (30) days of receipt of this letter to the Director of Office of Hearings and Appeals, Department of Energy, 1000 Independence Avenue SW, Washington, DC 20585. Both the envelope and the letter must be clearly marked "Freedom of Information Act Appeal."

Please contact Laura M. Atterbury, FOIA/Privacy Act Specialist, at (503) 230-7305 with any questions regarding this letter.

Sincerely,

/s/Christina J. Munro

Christina J. Munro
Freedom of Information Act/Privacy Act Officer

Enclosure(s): Responsive documents

McNary John-Day Transmission Line Construction

March 23, 2009

This Request for Offer (RFO) Number 1280 is issued under the terms and conditions set forth in your Master Agreement Number 28329, Transmission Line and Fiber Optics Construction Projects.

We invite you to submit an offer for this solicitation. Your offer shall be valid for a minimum of 120 days from the date offers are due. BPA may reject late offers.

Tour: March 31, 2009 at 8:00 AM. See the Site Tour clause in attachment for details.

Offers are due: April 22, 2009, 3:00 p.m., local time

Submit Proposals: Mail, Electronically or Fax to:

Bonneville Power Administration
Attn: Grant Furulie, NSSV-Bell-1
2410 East Hawthorne Road
Mead, WA 99021
E-Mail: gjfurulie@bpa.gov
Fax: (509) 358-7460

Planned Schedule of Performance:

- Award Release – May 6, 2009
- Issue Notice to Proceed - May 20, 2009
- Project Completion – November 1, 2011

Applicable Davis Bacon Wage Decision:

- WA080001, Modification 25, Dated 03/20/2009
- OR080002, Modification 17, Dated 03/20/2009

Affirmative Action Compliance Requirements for Construction:

- Goal for female participation is 6.9%
- Goal for minority participation in Benton County, Washington is 5.4%
- Goal for minority participation in Klickitat County, Washington is 2.9%
- Goal for minority participation in Umatilla County, Oregon is 3.8%
- Goal for minority participation in Sherman County, Oregon is 2.9%

Payment and Performance Bonds: Are required for this procurement. Reference Contract Clause Performance and Payment Bonds (16-1M)(APR 06).

This Request for Offers (RFO) consists of the following:

- Instructions and Evaluation Process. Please read carefully and complete and return those items required.
- Wage Determination
- Supplemental Technical Specification
- Construction Data (e.g. Drawings, Photomaps, SWWPP plan, etc.)

If you have any administrative questions or decide not to submit an offer, please contact myself at (509) 358-7359, FAX (509) 358-7460, or e-mail gjfurulie@bpa.gov.

You may submit technical questions directly to the Construction Manager, Shantini Ratnathicam at sratnathicam@bpa.gov.

Sincerely,

/S/
Grant J. Furulie
Contracting Officer

ATTACHMENT 1 -- INSTRUCTIONS TO OFFERORS & EVALUATION PROCESS

TABLE OF CONTENTS

INSTRUCTIONS 2

SUBMISSION OF OFFERS (11-2) 2
PROPOSAL PREPARATION INSTRUCTIONS (11-50) 2
SUBCONTRACTING PLAN REQUIREMENT (8-4) 4
SITE TOUR (11-6.1) ALTERNATE I 4

EVALUATION 5

CONSIDERATIONS IN MAKING AWARDS (11-3.1) ALTERNATE I 5
BUY AMERICAN ACT NOTICE (9-7) 5

GENERAL 6

PURCHASING STANDARDS OF CONDUCT (3-1) 6
DISCLOSURE OF OFFEROR'S PROPOSAL (12-1) 6
PROTESTS AGAINST AWARD (21-1) 6

INSTRUCTIONS

SUBMISSION OF OFFERS (11-2)
(SEP 98)(BPI 11.10.2.1)

(a) Offers shall be valid for a minimum of **120 days** from the date offers are due.

(b) All offers and resultant contracts are subject to the conditions set forth in this solicitation and the BPI. By submission of this offer, the offeror agrees to be bound to the Protest procedures specified in the BPI.

(c) BPA may reject late offers. BPA reserves the right to not consider proposals from potential suppliers other than those solicited by the CO.

PROPOSAL PREPARATION INSTRUCTIONS (11-50)
(AUG 08)

Offerors shall submit their proposal in the following format:

(a) Business Proposal:

(1) Completed "schedule of Prices:

Item No.	Description	Estimated Quantity	Unit of Issue	Unit Price	Total
1	**Access Road Construction**				
1.1	Phase 1	1	JB		$
1.2	Phase 2	1	JB		$
		Total for Line Item 1		**$**	
2	**Line Construction-Segment Miles 3-42**				
2.1	Foundations				
2.11	Grillages at each leg on 14 DE towers	56	EA	$	$
2.12	Rest of footings	1	JB		$
2.2	Towers				
2.21	Str. 23/3 & 23/4	1	JB		$
2.22	Rest of towers	1	JB		$
2.3	Wire work including hardware, markers etc.	1	JB		$
2.4	Fiber	1	JB		$
		Total for Line Item 2		**$**	
3	**Line Construction-Segment Miles 42-79**				
3.1	Foundations				
3.11	8 ft dia drilled shaft, 30 ft deep at each leg on 75/2				
	Soil drilling	8	LF	$	$
	Rock drilling	112	LF	$	$
3.12	6 ft dia drilled shaft, 40 ft deep at each leg on 76/1				
	Soil drilling	40	LF	$	$
	Rock drilling	120	LF	$	$
3.13	8 ft dia drilled shaft, 30 ft deep at each leg on 76/2				
	Soil drilling	80	LF	$	$
	Rock drilling	40	LF	$	$
3.14	6 ft dia drilled shaft, 25 ft deep at each leg on 10 DE's				

	Soil drilling	160	LF	$	$
	Rock drilling	840	LF	$	$
3.15	4 ft dia drilled shaft, 18 ft deep at each leg on 8 Sus. Twrs				
	Soil drilling	128	LF	$	$
	Rock drilling	448	LF	$	$
3.16	Grillages at each leg on 10 DE towers	40	EA	$	$
3.17	Rest of footings	1	JB		$
3.2	Towers				
3.21	River crossing tower 75/2	1	JB		$
3.22	River crossing tower 76/1	1	JB		$
3.23	River crossing tower 76/2	1	JB		$
3.24	Rest of towers	1	JB		$
3.3	Wire work including hardware, markers etc.	1	JB		$
3.4	Fiber	1	JB		$
		Total for Line Item 3		**$**	
4	**Rebuild Line- Rock Creek Segment**				
4.1	Foundations				
4.11	Grillages at each leg on 2 DE towers	8	EA	$	$
4.12	Rest of footings	1	JB		$
4.2	Towers	1	JB		$
4.3	Wire work including hardware	1	JB		$
4.4	Retirement	1	JB		$
		Total for Line Item 4		**$**	
5	**Material Management**	1	JB		$
		GRAND TOTAL CONTRACT PRICE FOR ITEMS 1 - 5		**$**	

(b) Technical/Management Proposal (4 copies, 50 pages maximum per copy, excluding title pages and dividers). The Technical/Management Proposal shall include the following:

(1) Work Plan – Explain your plan to execute the various elements of work required for this project. Describe proposed procedures, methods and details of equipment you expect to use. As a minimum, discuss the following: Environmental Mitigation, Access Road Work, Surveying, Foundation Excavation, Assembly and Erection of new structures, Installing new conductor, Over Head Ground Wire (OHGW) & fiber, Material yard logistics and security. State any assumptions that you make. Discuss your plans to coordinate with landowners and other agencies impacting the river, rail road & highway crossings. Indicate which work will be subcontracted.

(2) Construction Schedule – Provide a preliminary project schedule that shows the timing of each activity, and the start and finish dates of each Line segment. The schedule must be in MS Project and of suitable scale to indicate the work scheduled for completion each month during the contract period. Include all subcontracted work. As a minimum, include the following activities in your schedule: Set up of material yards, access road work, Foundations, Assembly and Erection of new structures, Install conductor, OHGW, fiber and hardware, sagging, clip etc.

(3) Work Schedule – Provide a proposed work schedule showing the number of hours (including which hours) worked per day, number of days (including which days) worked per week, the number of crews for each activity, and crew size. If portions of work are subcontracted, provide subcontractors' work schedules. Indicate any changes you propose (to work hours or crews during outages. If the proposed

work schedule conflicts with the hours/days listed in the Clause "Working Hours (24-51M," and BPA accepts the proposed work schedule, the clause will be revised in the contract appropriately.

(4) Safety Plan – Provide a safety plan that identifies, the site-specific hazards that could be encountered during the performance of this project. Describe how you plan to minimize or eliminated these hazards for contractor personnel or others, and demonstrate how the Safety Plan will be implemented. Discuss highway, utility and hot line crossings, types of guard structures, shoring of excavations.

(5) Key Personnel – Include proposed project management staff and list of subcontract team. Provide names and resumes (showing training and work experience-relevant to this project) for the following personnel proposed to be employed on this project: Project Manager, Site Superintendent, Land Liaison, Material Representative, ESC (Erosion Control) lead and Environmental Representative. Also provide experience of wire foreman. For this project we will need a full time Site Superintendent, Land Liaison and Material Representative. Provide a minimum qualification statement if no one person is identified to a key position.

(6) Subcontracting Plan – Assuming you are a large business concern, submit the information required under paragraph (a) of Clause 8-4, Subcontracting Plan Requirement (SEP 98) below.

(7) Cost Savings – Provide any suggestions you may have that would reduce project costs. State alternate suggestion and price reduction from proposed cost, for BPA consideration.

SUBCONTRACTING PLAN REQUIREMENT (8-4)
(SEP 98)(BPI 8.3.4)

Offerors who are not small businesses as defined in Clause 8-1, Preference Award Representation, shall:

(a) Submit with their offer, either:

(1) an estimate of the dollar amounts they plan to award to subcontractors who are either small businesses or small disadvantaged businesses, or

(2) a statement, with supporting reasons, that the nature of the contract does not offer subcontracting possibilities.

(b) Negotiate a detailed subcontracting plan as described in BPI 8.3.3 prior to award if the nature of the contract offers subcontracting possibilities. The plan shall provide maximum practicable opportunity for small businesses and small disadvantaged businesses to participate in performance of the contract. The plan will be incorporated into the contract.

SITE TOUR (11-6.1) ALTERNATE I
(OCT 93)(BPI 11.11.4.1)

Interested offerors should visit the site where the work is to be performed to ascertain the nature and location of services to be performed and the conditions which can affect the services or safe performance or the cost thereof. Failure to do so will not relieve offerors from responsibility for estimating properly the difficulty or cost of successfully performing the services. A formal tour and site visit is scheduled for **March 31, 2009 starting at 8:00 at the Paterson Elementary School, 51409 W. Prior Road, Paterson WA 99345**. Contact the contracting officer identified below to register for this tour.

Grant Furulie, Contracting Officer
Bonneville Power Administration, NSSV-Bell-1
Mead, WA 99021
Work: (509) 358-7359
Fax: (509) 358-7460
E-Mail: gjfurulie@bpa.gov

Land rights obtained by BPA do not include permission to enter the property prior to the start of work. Offerors entering the property or adjacent property are liable for any suits or claims that may result from such entry.

EVALUATION

CONSIDERATIONS IN MAKING AWARDS (11-3.1) ALTERNATE I (OCT 93)(BPI 11.11.1.1)

(a) BPA is seeking offers that provide the best combination of attributes in order to select the "best buy" offer. Best buy will be determined by comparing such attributes of interest as total cost to BPA, technical and management features, relative quality and adaptability of supplies or services, the offeror's financial responsibility, skill, experience, record of business integrity and business honesty, ability to furnish repairs and maintenance services, the time of delivery or performance offered, past performance (including safety record), and whether the offeror has complied with the specifications or demonstrated capability to perform the statement of work. BPA may consider other attributes without notification to the offerors if review of the proposals or BPA program needs raise relevant new issues.

(b) BPA may award a contract on the basis of initial offers received, without discussions. Therefore, each initial offer should contain the offeror's best terms from a cost or price and technical standpoint.

(c) A written award or acceptance of offer mailed or otherwise furnished to the successful offeror within the time for acceptance specified in the offer shall result in a binding contract without further action by either party.

(d) Proposals offering innovative, cost-effective approaches to meeting BPA's needs from a technical, work performance, delivery, pricing or other standpoint which produce an improved result for BPA are encouraged. The proposer should detail the strengths which it possesses, and explain how they will be applied to the proposed contract in order to provide a high quality, cost-effective solution to our requirements.

BUY AMERICAN ACT NOTICE (9-7) (SEP 98)(BPI 9.2.4)

(a) The Buy American Act (41 U.S.C. 10a-d) generally requires that only domestic construction material be used in the performance of this contract (see the clause entitled "Buy American Act--Construction Materials"). This requirement does not apply to the following construction materials: None.

(b) Offers based on the use of other foreign construction material may be acceptable for award if the Government determines that--

(1) Comparable domestic construction material in sufficient and reasonably available commercial quantities, and of a satisfactory quality, is unavailable, or
(2) Use of comparable domestic construction material is impracticable or would unreasonably increase the cost.

(c) When an offer is based on the use of one or more other foreign construction materials the offer shall include data clearly demonstrating, for each particular foreign construction material, that the cost thereof, plus 6 percent, is less than the cost of comparable domestic construction material. The cost of construction material shall be computed as including all cost of delivery to the construction site, and the cost of foreign construction material shall also include any applicable duty (whether or not a duty-free entry certificate may be issued).

(d) For evaluation purposes, BPA shall add to the offer 6 percent of the cost of the foreign construction material qualifying under paragraph (c) above.

(e) When offering other foreign construction material, offerors may also offer, at stated prices, any available comparable domestic construction material, in order to avoid the possibility that failure of a foreign construction material to be acceptable under this provision will cause rejection of the entire offer.

GENERAL

PURCHASING STANDARDS OF CONDUCT (3-1)
(SEP 98)(BPI 3.1.7)

(a) No person, other than as provided by law or authorized by the CO, shall knowingly obtain contractor proposal information or source selection information before award of a BPA purchase to which the information relates.

(b) "Competing contractor," as used in this clause, means any entity that is, or is likely to become, a competitor for or a recipient of a contract or subcontract under a BPA purchase, and includes any other person acting on behalf of such an entity.

(c) During the conduct of any BPA purchase of property or services, no competing contractor or any officer, employee, representative, agent, or consultant of any competing contractor shall knowingly:

(1) Make, directly or indirectly, any offer or promise of future employment or business opportunity to any BPA employee participating personally and substantially during the conduct of a BPA purchase, except as provided in BPI 3.1.4;

(2) Offer, give, or promise to offer or give, directly or indirectly any money, gratuity, or other thing of value to any BPA employee participating personally and substantially during the conduct of a BPA purchase; or

(3) Solicit or obtain, directly or indirectly, from any BPA officer or employee, prior to the award of a contract any contractor proposal information or source selection information regarding such purchase.

DISCLOSURE OF OFFEROR'S PROPOSAL (12-1)
(SEP 98)(BPI 12.1.1.1)

BPA agrees not to publicly disclose the information submitted in response to this solicitation, with the following exceptions:

(a) Information which is incorporated into the final contract, unless specifically excepted.

(b) Information available under the Freedom of Information Act.

(c) Information required by a court of law or other Federal agencies.

(d) Information publicly available from other sources.

PROTESTS AGAINST AWARD (21-1)
(SEP 98)(BPI 21.2.6)

(a) Interested parties agree that any protest against award will be filed with the BPA Head of the Contracting Activity prior to filing with any other forum, pursuant to 16 U. S. C. 832a(f) and Subpart 21.2 of the Bonneville Purchasing Instructions.

(b) An interested party must notify the Contracting Officer of its objection to a solicitation, proposed award, or award in writing within 10 working days of the date on which it had actual or constructive notice of the subject matter of the objection. Objections based upon alleged adverse action in any type of solicitation which are

apparent prior to the closing date for the receipt of proposals must be filed before that date. Objections not brought to the attention of the Contracting Officer within this time limitation will not be considered unless, at the Contracting Officer's sole discretion, the time limitation is waived. The costs of any party, if incurred in connection with protests of solicitations or contract awards, or the defense against protests of such solicitations or contract awards, are unallowable, unless the costs of defending against a protest are incurred pursuant to a written request from the CO.

(c) Interested parties who are unable to resolve disagreements informally with the Contracting Officer may send a formal, written protest to the Head of the Contracting Activity. In order to be considered by the Head of the Contracting Activity, the protest must be delivered to the Head of the Contracting Activity within 10 working days from the date informal discussions with the Contracting Officer are terminated.

(d) The protest shall contain: (1) the name and address of the protester, (2) the identity of the contracting officer and the solicitation or contract involved, (3) all facts relevant to and grounds in support of the protest, and (4) a request for a specific ruling by BPA. It shall be sent to: Head of the Contracting Activity, Bonneville Power Administration, P.O. Box 3621, Portland, Oregon 97208 (Street Address: 905 N.E. 11th Avenue, Portland, OR 97232).

General Decision Number: WA080001 03/20/2009 WA1

Superseded General Decision Number: WA20070001

State: Washington

Construction Types: Heavy (Heavy and Dredging) and Highway

Counties: Washington Statewide.

HEAVY AND HIGHWAY AND DREDGING CONSTRUCTION PROJECTS (Excludes D.O.E. Hanford Site in Benton and Franklin Counties)

Modification Number	Publication Date
0	02/08/2008
1	02/15/2008
2	02/22/2008
3	04/04/2008
4	04/25/2008
5	05/09/2008
6	06/06/2008
7	06/13/2008
8	06/20/2008
9	06/27/2008
10	07/11/2008
11	07/25/2008
12	08/01/2008
13	08/08/2008
14	08/29/2008
15	09/05/2008
16	09/19/2008
17	10/03/2008
18	10/24/2008
19	10/31/2008
20	11/21/2008
21	01/02/2009
22	02/06/2009
23	02/27/2009
24	03/06/2009
25	03/20/2009

CARP0001-008 06/01/2007

	Rates	Fringes
Carpenters:		
COLUMBIA RIVER AREA - ADAMS, BENTON, COLUMBIA, DOUGLAS (EAST OF THE 120TH MERIDIAN), FERRY, FRANKLIN, GRANT, OKANOGAN (EAST OF THE 120TH MERIDIAN) AND WALLA WALLA COUNTIES		
GROUP 1:.....	$ 25.68	9.30
GROUP 2:.....	$ 27.18	9.30
GROUP 3:.....	$ 25.95	9.30
GROUP 4:.....	$ 25.68	9.30
GROUP 5:.....	$ 59.40	9.30
GROUP 6.....	$ 28.70	9.30
GROUP 7.....	$ 29.70	9.30

GROUP 8	$ 26.95	9.30
GROUP 9	$ 32.70	9.30

SPOKANE AREA: ASOTIN, GARFIELD, LINCOLN, PEND OREILLE, SPOKANE, STEVENS AND WHITMAN COUNTIES

GROUP 1:	$ 25.01	9.30
GROUP 2:	$ 26.51	9.30
GROUP 3:	$ 25.27	9.30
GROUP 4:	$ 25.01	9.30
GROUP 5:	$ 58.04	9.30
GROUP 6:	$ 28.02	9.30
GROUP 7	$ 29.02	9.30
GROUP 8	$ 26.27	9.30
GROUP 9	$ 32.02	9.30

CARPENTER & DIVER CLASSIFICATIONS:

GROUP 1: Carpenter; Burner-Welder; Rigger and Signaler; Insulators (all types), Acoustical, Drywall and Metal Studs, Metal Panels and Partitions; Floor Layer, Sander, Finisher and Astro Turf; Layout Carpenters; Form Builder; Rough Framer; Outside or Inside Finisher, including doors, windows, and jams; Sawfiler; Shingler (wood, composition) Solar, Fiberglass, Aluminum or Metal; Scaffold Erecting and Dismantling; Stationary Saw-Off Bearer; Wire, Wood and Metal Lather Applicator

GROUP 2: Millwright, machine erector

GROUP 3: Piledriver - includes driving, pulling, cutting, placing collars, setting, welding, or creosote treated material, on all piling

GROUP 4: Bridge, dock and wharf carpenters

GROUP 5: Diver Wet

GROUP 6: Diver Tender, Manifold Operator, ROV Operator

GROUP 7: Diver Standby, Bell/Vehicle or Submersible operator Not Under Pressure

GROUP 8: Assistant Tender, ROV Tender/Technician

GROUP 9: Manifold Operator-Mixed Gas

ZONE PAY:

ZONE 1	0-40 MILES	FREE
ZONE 2	41-65 MILES	$2.25/PER HOUR
ZONE 3	66-100 MILES	$3.25/PER HOUR
ZONE 4	OVER 100 MILES	$4.75/PER HOUR

DISPATCH POINTS:

CARPENTERS/MILLWRIGHTS: PASCO (2819 W. SYLVESTER) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS/PILEDRIVER: SPOKANE (127 E. AUGUSTA AVE.) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS: WENATCHEE (27 N. CHELAN) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS: COEUR D' ALENE (1839 N. GOVERNMENT WAY) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS: MOSCOW (302 N. JACKSON) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

DEPTH PAY FOR DIVERS BELOW WATER SURFACE:
50-100 feet $2.00 per foot
101-150 feet $3.00 per foot
151-220 feet $4.00 per foot
221 feet and deeper $5.00 per foot

PREMIUM PAY FOR DIVING IN ENCLOSURES WITH NO VERTICAL ASCENT:
0-25 feet Free
26-300 feet $1.00 per Foot

SATURATION DIVING:
The standby rate applies until saturation starts. The saturation diving rate applies when divers are under pressure continuously until work task and decompression are complete. the diver rate shall be paid for all saturation hours.

WORK IN COMBINATION OF CLASSIFICATIONS:
Employees working in any combination of classifications within the diving crew (except dive supervisor) in a shift are paid in the classification with the highest rate for that shift.

HAZMAT PROJECTS:

Anyone working on a HAZMAT job (task), where HAZMAT certification is required, shall be compensated at a premium, in addition to the classification working in as follows:

LEVEL D + $.25 per hour - This is the lowest level of protection. No respirator is used and skin protection is minimal.

LEVEL C + $.50 per hour - This level uses an air purifying respirator or additional protective clothing.

LEVEL B + $.75 per hour - Uses same respirator protection as Level A. Supplied air line is provided in conjunction with a chemical "splash suit".

LEVEL A +$1.00 per hour - This level utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line.

CARP0003-006 06/01/2007

SOUTHWEST WASHINGTON: CLARK, COWLITZ, KLICKITAT, LEWIS (Piledriver only), PACIFIC (South of a straight line made by extending the north boundary line of Wahkiakum County west to Willapa Bay to the Pacific Ocean), SKAMANIA AND WAHKIAKUM COUNTIES and INCLUDES THE ENTIRE PENINSULA WEST OF WILLAPA BAY

SEE ZONE DESCRIPTION FOR CITIES BASE POINTS

ZONE 1:

	Rates	Fringes
Carpenters:		
CARPENTERS; ACOUSTICAL.....	$ 27.56	13.30

DIVERS TENDERS.....$ 30.28 13.30
DIVERS.....$ 68.84 13.30
DRYWALL.....$ 27.56 13.30
FLOOR LAYERS & FLOOR
FINISHERS (the laying of
all hardwood floors nailed
and mastic set, parquet
and wood-type tiles, and
block floors, the sanding
and finishing of floors,
the preparation of old and
new floors when the
materials mentioned above
are to be installed);
INSULATORS (fiberglass and
similar irritating
materils.....$ 27.71 13.30
MILLWRIGHTS.....$ 28.04 13.30
PILEDRIVERS.....$ 28.04 13.30

DEPTH PAY:
50 TO 100 FEET $1.00 PER FOOT OVER 50 FEET
101 TO 150 FEET $1.50 PER FOOT OVER 101 FEET
151 TO 200 FEET $2.00 PER FOOT OVER 151 FEET

Zone Differential (Add up Zone 1 rates):
Zone 2 - $0.85
Zone 3 - 1.25
Zone 4 - 1.70
Zone 5 - 2.00
Zone 6 - 3.00

BASEPOINTS: ASTORIA, LONGVIEW, PORTLAND, THE DALLES, AND VANCOUVER, (NOTE: All dispatches for Washington State Counties: Cowlitz, Wahkiakum and Pacific shall be from Longview Local #1707 and mileage shall be computed from that point.)

ZONE 1: Projects located within 30 miles of the respective city hall of the above mentioned cities
ZONE 2: Projects located more than 30 miles and less than 40 miles of the respective city of the above mentioned cities
ZONE 3: Projects located more than 40 miles and less than 50 miles of the respective city of the above mentioned cities
ZONE 4: Projects located more than 50 miles and less than 60 miles of the respective city of the above mentioned cities.
ZONE 5: Projects located more than 60 miles and less than 70 miles of the respective city of the above mentioned cities
ZONE 6: Projects located more than 70 miles of the respected city of the above mentioned cities

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CARP0770-003 06/01/2007

	Rates	Fringes
Carpenters:		
CENTRAL WASHINGTON: CHELAN, DOUGLAS (WEST OF THE 120TH MERIDIAN), KITTITAS, OKANOGAN (WEST OF THE 120TH MERIDIAN) AND YAKIMA COUNTIES		
ACCOUSTICAL WORKERS	$ 23.25	10.85
BRIDGE, DOCK AND WHARF		

CARPENTERS AND HEAVY & HIGHWAY	$ 32.49	10.85
CARPENTERS AND DRYWALL APPLICATORS	$ 23.25	10.85
CARPENTERS ON CREOSOTE MATERIAL	$ 23.25	10.85
DIVERS TENDER	$ 33.29	10.93
DIVERS	$ 74.82	10.93
INSULATION APPLICATORS	$ 23.25	10.85
MILLWRIGHT AND MACHINE ERECTORS	$ 33.49	10.85
PILEDRIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CRESOTE TREATED MATERIAL, ALL PILING	$ 32.69	10.85
SAWFILERS, STATIONARY POWER SAW OPERATORS, FLOOR FINISHER, FLOOR LAYER, SHINGLER, FLOOR SANDER OPERATOR AND OPERATORS OF OTHER STATIONARY WOOD WORKING TOOLS	$ 23.25	10.85

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - ALL CLASSIFICATIONS EXCEPT MILLWRIGHTS AND PILEDRIVERS

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Seattle	Olympia	Bellingham
Auburn	Bremerton	Anacortes
Renton	Shelton	Yakima
Aberdeen-Hoquiam	Tacoma	Wenatchee
Ellensburg	Everett	Port Angeles
Centralia	Mount Vernon	Sunnyside
Chelan	Pt. Townsend	

Zone Pay:

0 -25 radius miles	Free
26-35 radius miles	$1.00/hour
36-45 radius miles	$1.15/hour
46-55 radius miles	$1.35/hour
Over 55 radius miles	$1.55/hour

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - MILLWRIGHT AND PILEDRIVER ONLY)

Hourly Zone Pay shall be computed from Seattle Union Hall, Tacoma City center, and Everett City center

Zone Pay:

0 -25 radius miles	Free
26-45 radius miles	$ .70/hour
Over 45 radius miles	$1.50/hour

CARP0770-006 06/01/2007

	Rates	Fringes
Carpenters:		
WESTERN WASHINGTON:		

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS (excludes piledrivers only), MASON, PACIFIC (North of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES

ACOUSTICAL WORKERS	$ 32.62	11.26
BRIDGE, DOCK & WHARF CARPENTERS	$ 32.49	11.26
CARPENTERS AND DRYWALL APPLICATORS	$ 32.49	11.26
CARPENTERS ON CREOSOTE MATERIAL	$ 32.59	11.26
DIVERS TENDER	$ 33.29	10.93
DIVERS	$ 74.82	10.93
INSULATION APPLICATORS	$ 32.49	11.26
MILLWRIGHT AND MACHINE ERECTORS	$ 33.49	11.26
PILEDRIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CRESOTE TREATED MATERIAL, ALL PILING	$ 32.69	11.26
SAWFILERS, STATIONARY POWER SAW OPERATORS, FLOOR FINISHER, FLOOR LAYER, SHINGLER, FLOOR SANDER OPERATOR AND OPERATORS OF OTHER STATIONARY WOOD WORKING TOOLS	$ 32.62	11.26

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - ALL CLASSIFICATIONS EXCEPT MILLWRIGHTS AND PILEDRIVERS

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Seattle	Olympia	Bellingham
Auburn	Bremerton	Anacortes
Renton	Shelton	Yakima
Aberdeen-Hoquiam	Tacoma	Wenatchee
Ellensburg	Everett	Port Angeles
Centralia	Mount Vernon	Sunnyside
Chelan	Pt. Townsend	

Zone Pay:

0 -25 radius miles	Free
26-35 radius miles	$1.00/hour
36-45 radius miles	$1.15/hour
46-55 radius miles	$1.35/hour
Over 55 radius miles	$1.55/hour

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - MILLWRIGHT AND PILEDRIVER ONLY)

Hourly Zone Pay shall be computed from Seattle Union Hall, Tacoma City center, and Everett City center

Zone Pay:
0 -25 radius miles Free
26-45 radius miles $ .70/hour
Over 45 radius miles $1.50/hour

ELEC0046-001 07/02/2007

CALLAM, JEFFERSON, KING AND KITSAP COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 40.62	3%+13.21
ELECTRICIAN	$ 36.93	3%+13.21

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* ELEC0048-003 01/01/2009

CLARK, KLICKITAT AND SKAMANIA COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 34.40	3%+$14.85
ELECTRICIAN	$ 35.65	3%+$15.35

HOURLY ZONE PAY:

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Portland, The Dalles, Hood River, Tillamook, Seaside and Astoria

Zone Pay:
Zone 1: 31-50 miles $1.50/hour
Zone 2: 51-70 miles $3.50/hour
Zone 3: 71-90 miles $5.50/hour
Zone 4: Beyond 90 miles $9.00/hour

*These are not miles driven. Zones are based on Delorrne Street Atlas USA 2006 plus.

ELEC0073-001 01/01/2009

ADAMS, FERRY, LINCOLN, PEND OREILLE, SPOKANE, STEVENS, WHITMAN COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 28.22	3%+12.48
ELECTRICIAN	$ 27.82	3%+12.48

ELEC0076-002 03/01/2007

GRAYS HARBOR, LEWIS, MASON, PACIFIC, PIERCE, AND THURSTON COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 36.31	3%+13.19
ELECTRICIAN	$ 32.71	3%+13.19

ELEC0077-002 02/01/2007

	Rates	Fringes

Line Construction:

CABLE SPLICERS	$ 42.09	3.875%+$10.60
GROUNDMEN	$ 26.31	3.875%+$8.60
LINE EQUIPMENT MEN	$ 32.32	3.875%+$8.70
LINEMEN, POLE SPRAYERS, HEAVY LINE EQUIPMENT MAN	$ 37.58	3.875%+$10.60
POWDERMEN, JACKHAMMERMEN	$ 28.19	3.875%+$8.60
TREE TRIMMER	$ 22.65	3.875%+$8.35

ELEC0112-005 12/01/2008

ASOTIN, BENTON, COLUMBIA, FRANKLIN, GARFIELD, KITTITAS, WALLA WALLA, YAKIMA COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 35.39	3%+13.48
ELECTRICIAN	$ 33.70	3%+13.48

ELEC0191-003 03/01/2008

ISLAND, SAN JUAN, SNOHOMISH, SKAGIT AND WHATCOM COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 36.86	3%+12.98
ELECTRICIAN	$ 33.51	3%+12.98

ELEC0191-004 03/01/2008

CHELAN, DOUGLAS, GRANT AND OKANOGAN COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 32.46	3%+12.81
ELECTRICIAN	$ 29.51	3%+12.81

ELEC0970-001 01/01/2009

COWLITZ AND WAHKIAKUM COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 34.68	3%+9.59
ELECTRICIAN	$ 31.53	3%+9.59

ENGI0302-003 06/01/2008

CHELAN (WEST OF THE 120TH MERIDIAN), CLALLAM, DOUGLAS (WEST OF THE 120TH MERIDIAN), GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, KITTITAS, MASON, OKANOGAN (WEST OF THE 120TH MERIDIAN), SAN JUNA, SKAGIT, SNOHOMISH, WHATCOM AND YAKIMA (WEST OF THE 120TH MERIDIAN) COUNTIES

PROJECTS: CATEGORY A PROJECTS (EXCLUDES CATEGORY B PROJECTS, AS SHOWN BELOW)

Zone 1 (0-25 radius miles):

	Rates	Fringes
Power equipment operators:		
Group 1A	$ 34.51	13.95
Group 1AA	$ 35.08	13.95
Group 1AAA	$ 35.64	13.95
Group 1	$ 33.96	13.95
Group 2	$ 33.47	13.95
Group 3	$ 33.05	13.95

Group 4.....$ 30.69 13.95

Zone Differential (Add to Zone 1 rates):
Zone 2 (26-45 radius miles) - $1.00
Zone 3 (Over 45 radius miles) - $1.30

BASEPOINTS: Aberdeen, Bellingham, Bremerton, Everett, Kent, Mount Vernon, Port Angeles, Port Townsend, Seattle, Shelton, Wenatchee, Yakima

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1AAA - Cranes-over 300 tons, or 300 ft of boom (including jib with attachments)

GROUP 1AA - Cranes 200 to 300 tons, or 250 ft of boom (including jib with attachments); Tower crane over 175 ft in height, base to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons, under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader- overhead 6 yards to, but not including 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9, HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self propelled 45 yards and over; Slipform pavers; Transporters, all truck or track type

GROUP 2 - Barrier machine (zipper); Batch Plant Operaor-Concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-overhead, bridge type-20 tons through 44 tons; Chipper; Concrete Pump-truck mount with boom attachment; Crusher; Deck Engineer/Deck Winches (power); Drilling machine; Excavator, shovel, backhoe-3yards and under; Finishing Machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Horizontal/directional drill operator; Loaders-overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics-all; Mixers-asphalt plant; Motor patrol graders-finishing; Piledriver (other than crane mount); Roto-mill,roto-grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar Green; Scraper-self propelled, hard tail end dump, articulating off-road equipment-under 45 yards; Subgrade trimmer; Tractors, backhoes-over 75 hp; Transfer material service machine-shuttle buggy, blaw knox-roadtec; Truck crane oiler/driver-100 tons and over; Truck Mount portable conveyor; Yo Yo Pay dozer

GROUP 3 - Conveyors; Cranes-thru 19 tons with attachments; A-frame crane over 10 tons; Drill oilers-auger type, truck or crane mount; Dozers-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside hoists-(elevators and manlifts), air

tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loader-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pumps-concrete; Roller, plant mix or multi-lift materials; Saws-concrete; Scrpers-concrete and carry-all; Service engineer-equipment; Trenching machines; Truck Crane Oiler/Driver under 100 tons; Tractors, backhoe 75 hp and under

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete finish mahine-laser screed; Cranes-A frame-10 tons and under; Elevator and Manlift-permanent or shaft type; Gradechecker, Stakehop; Forklifts under 3000 lbs. with attachments; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger, mechanical; Power plant; Pumps, water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

Category B Projects: 95% of the basic hourly rate for each group plus full fringe benefits applicable to category A projects shall apply to the following projects. A Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings and bridges whose total value is less than $1.5 million excluding mechanical, electrical, and utility portions of the contract.

2. Projects of less than $1 million where no building is involved. Surfacing and paving included, but utilities excluded.

3. Marine projects (docks, wharfs, etc.) less than $150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS:

Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing
H-2 Class "C" Suit - Base wage rate plus $ .25 per hour.
H-3 Class "B" Suit - Base wage rate plus $ .50 per hour.
H-4 Class "A" Suit - Base wage rate plus $ .75 per hour.

Zone Differential (Add to Zone 1 rates):
Zone 2 (26-45 radius miles) - $ .70
Zone 3 (Over 45 radius miles) - $1.00

BASEPOINTS: Aberdeen, Bellingham, Bremerton, Everett, Kent, Mount Vernon, Port Angeles, Port Townsend, Seattle, Shelton, Wenatchee, Yakima

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1AAA - Cranes-over 300 tons, or 300 ft of boom (including jib with attachments)

GROUP 1AA - Cranes 200 to 300 tons, or 250 ft of boom (including jib with attachments); Tower crane over 175 ft in

height, base to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons, under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader- overhead 6 yards to, but not including 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9, HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self propelled 45 yards and over; Slipform pavers; Transporters, all truck or track type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator-Concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-overhead, bridge type-20 tons through 44 tons; Chipper; Concrete Pump-truck mount with boom attachment; Crusher; Deck Engineer/Deck Winches (power); Drilling machine; Excavator, shovel, backhoe-3 yards and under; Finishing Machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Horizontal/directional drill operator; Loaders-overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics-all; Mixers-asphalt plant; Motor patrol graders-finishing; Piledriver (other than crane mount); Roto-mill, roto-grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar Green; Scraper-self propelled, hard tail end dump, articulating off-road equipment-under 45 yards; Subgrade trimmer; Tractors, backhoes-over 75 hp; Transfer material service machine-shuttle buggy, blaw knox-roadtec; Truck crane oiler/driver-100 tons and over; Truck Mount portable conveyor; Yo Yo Pay dozer

GROUP 3 - Conveyors; Cranes-thru 19 tons with attachments; A-frame crane over 10 tons; Drill oilers-auger type, truck or crane mount; Dozers-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loader-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pumps-concrete; Roller, plant mix or multi-lift materials; Saws-concrete; Scrapers-concrete and carry-all; Service engineer-equipment; Trenching machines; Truck Crane Oiler/Driver under 100 tons; Tractors, backhoe 75 hp and under

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete finish machine-laser screed; Cranes-A frame-10 tons and under; Elevator and Manlift-permanent or shaft type; Gradechecker, Stakehop; Forklifts under 3000 lbs. with attachments; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger, mechanical; Power plant; Pumps, water; Rigger and Bellman; Roller-other than plant

mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

CATEGORY B PROJECTS: 95% OF THE BASIC HOURLY RATE FOR EACH GROUP PLUS FULL FRINGE BENEFITS APPLICABLE TO CATEGORY A PROJECTS SHALL APPLY TO THE FOLLOWING PROJECTS. REDUCED RATES MAY BE PAID ON THE FOLLOWING:

1. Projects involving work on structures such as buildings and bridges whose total value is less than $1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than $1 million where no building is involved. Surfacing and paving including, but utilities excluded.
3. Marine projects (docks, wharfs, etc.) less than $150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft classifications subject to working inside a federally designed hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing.
H-2 Class "C" Suit - Base wage rate plus $.25 per hour.
H-3 Class "B" Suit - Base wage rate plus $.50 per hour.
H-4 Class "A" Suit - Base wage rate plus $.75 per hour.

ENGI0302-009 06/01/2007

CHELAN (WEST OF THE 120TH MERIDIAN), CLALLAM, DOUGLAS (WEST OF THE 120TH MERIDIAN), GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, KITTITAS, MASON, OKANOGAN (WEST OF THE 120TH MERIDIAN), SAN JUNA, SKAGIT, SNOHOMISH, WHATCOM AND YAKIMA (WEST OF THE 120TH MERIDIAN) COUNTIES

ON PROJECTS DESCRIBED IN FOOTNOTE A BELOW, THE RATE FOR EACH GROUP SHALL BE 95% OF THE BASE RATE PLUS FULL FRINGE BENEFITS. ON ALL OTHER WORK, THE FOLLOWING RATES APPLY.

WORK PERFORMED ON HYDRAULIC DREDDGES:
Zone 1 (0-25 radius miles):

	Rates	Fringes
Power equipment operators:		
GROUP 1		
TOTAL PROJECT COST $300,000 AND OVER	$ 31.33	12.75
TOTAL PROJECT COST UNDER $300,000	$ 26.96	8.40
GROUP 2		
TOTAL PROJECT COST $300,000 AND OVER	$ 31.46	12.75
TOTAL PROJECT COST UNDER $300,000	$ 27.06	8.40
GROUP 3		
TOTAL PROJECT COST $300,000 AND OVER	$ 31.84	12.75
TOTAL PROJECT COST UNDER $300,000	$ 27.38	8.40
GROUP 4		
TOTAL PROJECT COST $300,000 AND OVER	$ 31.89	12.75

TOTAL PROJECT COST UNDER
$300,000.....$ 27.43 8.40

GROUP 5
TOATL PROJECT COST
$300,000 AND OVER.....$ 33.46 12.75
TOTAL PROJECT COST UNDER
$300,000.....$ 28.75 8.40

GROUP 6
TOTAL PROJECT COST
$300,000 AND OVER.....$ 31.33 12.75
TOTAL PROJECT COST UNDER
$300,000.....$ 26.96 8.40

Zone Differential (Add to Zone 1 rates):
Zone 2 (26-45 radius miles) - $ .70
Zone 3 (Over 45 radius miles) - $1.00

BASEPOINTS: Aberdeen, Bellingham, Bremerton, Everett, Kent, Mount Vernon, Port Angeles, Port Townsend, Seattle, Shelton, Wenatchee, Yakima

POWER EQUIPMENT OPERATORS CLASSIFICATIONS:

GROUP 1: Assistant Mate (Deckhand
GROUP 2: Oiler
GROUP 3: Assistant Engineer (Electric, Diesel, Steam or Booster Pump); Mates and Boatmen
GROUP 4: Craneman, Engineer Welder
GROUP 5: Leverman, Hydraulic
GROUP 6: Maintenance

Category B Projects: 95% of the basic hourly rate for each group plus full fringe benefits applicable to category A projects shall apply to the following projects. A Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings and bridges whose total value is less than $1.5 million excluding mechanical, electrical, and utility portions of the contract.

2. Projects of less than $1 million where no building is involved. Surfacing and paving included, but utilities excluded.

3. Marine projects (docks, wharfs, etc.) less than $150,000.

Heavy Wage rates (Category A) Applies to clam shell dredge, hoe and dipper, shovels and shovel attachments, cranes and bulldozers.

HANDLING OF HAZARDOUS WASTE MATERIALS:

Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing
H-2 Class "C" Suit - Base wage rate plus $ .25 per hour.
H-3 Class "B" Suit - Base wage rate plus $ .50 per hour.
H-4 Class "A" Suit - Base wage rate plus $ .75 per hour.

Zone Differential (Add to Zone 1 rates):
Zone 2 (26-45 radius miles) - $ .70

Zone 3 (Over 45 radius miles) - $1.00

BASEPOINTS: Aberdeen, Bellingham, Bremerton, Everett, Kent, Mount Vernon, Port Angeles, Port Townsend, Seattle, Shelton, Wenatchee, Yakima

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1 - ASSISTANT MATE (DECKHAND)
GROUP 2 - OILER
GROUP 3 - ASSISTANT ENGINEER (ELECTRIC, DIESEL, STEAM OR BOOSTER PUMP); MATES AND BOATMEN
GROUP 4 - CRANEMAN, ENGINEER WELDER
GROUP 5 - LEVERMAN, HYDRAULIC
GROUP 6 - MAINTENANCE

CATEGORY B PROJECTS: 95% OF THE BASIC HOURLY RATE FOR EACH GROUP PLUS FULL FRINGE BENEFITS APPLICABLE TO CATEGORY A PROJECTS SHALL APPLY TO THE FOLLOWING PROJECTS. REDUCED RATES MAY BE PAID ON THE FOLLOWING:

1. Projects involving work on structures such as buildings and bridges whose total value is less than $1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than $1 million where no building is involved. Surfacing and paving including, but utilities excluded.
3. Marine projects (docks, wharfs, etc.) less than $150,000.

HEAVY WAGE RATES (CATEGORY A) APPLIES TO CLAM SHELL DREDGE, HOE AND DIPPER, SHOVELS AND SHOVEL ATTACHMENTS, CRANES AND BULLDOZERS.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft classifications subject to working inside a federally designed hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing.
H-2 Class "C" Suit - Base wage rate plus $.25 per hour.
H-3 Class "B" Suit - Base wage rate plus $.50 per hour.
H-4 Class "A" Suit - Base wage rate plus $.75 per hour.

ENGI0370-002 06/01/2008

ADAMS, ASOTIN, BENTON, CHELAN (EAST OF THE 120TH MERIDIAN), COLUMBIA, DOUGLAS (EAST OF THE 120TH MERIDIAN), FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN (EAST OF THE 120TH MERIDIAN), PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN AND YAKIMA (EAST OF THE 120TH MERIDIAN) COUNTIES

ZONE 1:

	Rates	Fringes
Power equipment operators:		
GROUP 1A	$ 23.21	9.80
GROUP 1	$ 23.76	9.80
GROUP 2	$ 24.08	9.80
GROUP 3	$ 24.69	9.80
GROUP 4	$ 24.85	9.80
GROUP 5	$ 25.01	9.80
GROUP 6	$ 25.29	9.80
GROUP 7	$ 25.56	9.80

GROUP 8.....$ 26.66 9.80

ZONE DIFFERENTIAL (Add to Zone 1 rate): Zone 2 - $2.00

Zone 1: Within 45 mile radius of Spokane, Pasco, Washington; Lewiston, Idaho
Zone 2: Outside 45 mile radius of Spokane, Pasco, Washington; Lewiston, Idaho

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1A: Boat Operator; Crush Feeder; Oiler; Steam Cleaner

GROUP 1: Bit Grinders; Bolt Threading Machine; Compressors (under 2000 CFM, gas, diesel, or electric power); Deck Hand; Drillers Helper (Assist driller in making drill rod connections, service drill engine and air compressor, repair drill rig and drill tools, drive drill support truck to and on the job site, remove drill cuttings from around bore hole and inspect drill rig while in operation); Fireman & Heater Tender; Hydro-seeder, Mulcher, Nozzleman; Oiler Driver, & Cable Tender, Mucking Machine; Pumpman; Rollers, all types on subgrade, including seal and chip coatings (farm type, Case, John Deere & similar, or Compacting Vibrator), except when pulled by Dozer with operable blade; Welding Machine; Crane Oiler-Driver (CLD required) & Cable Tender, Mucking Machine

GROUP 2: A-frame Truck (single drum); Assistant Refrigeration Plant (under 1000 ton); Assistant Plant Operator, Fireman or Pugmixer (asphalt); Bagley or Stationary Scraper; Belt Finishing Machine; Blower Operator (cement); Cement Hog; Compressor (2000 CFM or over, 2 or more, gas diesel or electric power); Concrete Saw (multiple cut); Distributor Leverman; Ditch Witch or similar; Elevator Hoisting Materials; Dope Pots (power agitated); Fork Lift or Lumber Stacker, hydra-lift & similar; Gin Trucks (pipeline); Hoist, single drum; Loaders (bucket elevators and conveyors); Longitudinal Float; Mixer (portable-concrete); Pavement Breaker, Hydra-Hammer & similar; Power Broom; Railroad Ballast Regulation Operator (self-propelled); Railroad Power Tamper Operator (self-propelled); Railroad Tamper Jack Operator (self-propelled; Spray Curing Machine (concrete); Spreader Box (self-propelled); Straddle Buggy (Ross & similar on construction job only); Tractor (Farm type R/T with attachment, except Backhoe); Tugger Operator

GROUP 3: A-frame Truck (2 or more drums); Assistant Refrigeration Plant & Chiller Operator (over 1000 ton); Backfillers (Cleveland & similar); Batch Plant & Wet Mix Operator, single unit (concrete); Belt-Crete Conveyors with power pack or similar; Belt Loader (Kocal or similar); Bending Machine; Bob Cat (Skid Steer); Boring Machine (earth); Boring Machine (rock under 8 inch bit) (Quarry Master, Joy or similar); Bump Cutter (Wayne, Saginau or similar); Canal Lining Machine (concrete); Chipper (without crane); Cleaning & Doping Machine (pipeline); Deck Engineer; Elevating Belt-type Loader (Euclid, Barber Green & similar); Elevating Grader-type Loader (Dumor, Adams or similar); Generator Plant Engineers (diesel or electric); Gunnite Combination Mixer & Compressor; Locomotive Engineer; Mixermobile; Mucking Machine; Posthole Auger or Punch; Pump (grout or jet); Soil Stabilizer (P & H or

similar); Spreader Machine; Dozer/Tractor (up to D-6 or equivalent) and Traxcavator; Traverse Finish Machine; Turnhead Operator

GROUP 4: Concrete Pumps (squeeze-crete, flow-crete, pump-crete, Whitman & similar); Curb Extruder (asphalt or concrete); Drills (churn, core, calyx or diamond); Equipment Serviceman; Greaser & Oiler; Hoist (2 or more drums or Tower Hoist); Loaders (overhead & front-end, under 4 yds. R/T); Refrigeration Plant Engineer (under 1000 ton); Rubber-tired Skidders (R/T with or without attachments); Surface Heater & Plant Machine; Trenching Machines (under 7 ft. depth capacity); Turnhead (with re-screening); Vacuum Drill (reverse circulation drill under 8 inch bit)

GROUP 5: Backhoe (under 45,000 gw); Backhoe & Hoe Ram (under 3/4 yd.); Carrydeck & Boom Truck (under 25 tons); Cranes (25 tons & under), all attachments including clamshell, dragline; Derricks & Stifflegs (under 65 tons); Drilling Equipment(8 inch bit & over) (Robbins, reverse circulation & similar); Hoe Ram; Piledriving Engineers; Paving (dual drum); Railroad Track Liner Operaotr (self-propelled); Refrigeration Plant Engineer (1000 tons & over); Signalman (Whirleys, Highline Hammerheads or similar); Grade Checker

GROUP 6: Asphalt Plant Operator; Automatic Subgrader (Ditches & Trimmers)(Autograde, ABC, R.A. Hansen & similar on grade wire); Backhoe (45,000 gw and over to 110,000 gw); Backhoes & Hoe Ram (3/4 yd. to 3 yd.); Batch Plant (over 4 units); Batch & Wet Mix Operator (multiple units, 2 & incl. 4); Blade Operator (motor patrol & attachments); Cable Controller (dispatcher); Compactor (self-propelled with blade); Concrete Pump Boom Truck; Concrete Slip Form Paver; Cranes (over 25 tons, to and including 45 tons), all attachments including clamshell, dragline; Crusher, Grizzle & Screening Plant Operator; Dozer, 834 R/T & similar; Drill Doctor; Loader Operator (front-end & overhead, 4 yds. incl. 8 yds.); Multiple Dozer Units with single blade; Paving Machine (asphalt and concrete); Quad-Track or similar equipment; Rollerman (finishing asphalt pavement); Roto Mill (pavement grinder); Scrapers, all, rubber-tired; Screed Operator; Shovel(under 3 yds.); Trenching Machines (7 ft. depth & over); Tug Boat Operator Vactor guzzler, super sucker; Lime Batch Tank Operator (Recycle Train); Lime Brain Operator (Recycle Train); Mobile Crusher Operator (Recycle Train)

GROUP 7: Backhoe (over 110,000 gw); Backhoes & Hoe Ram (3 yds & over); Blade (finish & bluetop) Automatic, CMI, ABC, Finish Athey & Huber & similar when used as automatic; Cableway Operators; Concrete Cleaning/Decontamination machine operator; Cranes (over 45 tons to but not including 85 tons), all attachments including clamshell and dragine; Derricks & Stiffleys (65 tons & over); Elevating Belt (Holland type); Heavy equipment robotics operator; Loader (360 degrees revolving Koehring Scooper or similar); Loaders (overhead & front-end, over 8 yds. to 10 yds.); Rubber-tired Scrapers (multiple engine with three or more scrapers); Shovels (3 yds. & over); Whirleys & Hammerheads, ALL; H.D. Mechanic; H.D. Welder; Hydraulic Platform Trailers (Goldhofer, Shaurerly and Similar); Ultra High

Pressure Wateriet Cutting Tool System Operator (30,000 psi); Vacuum Blasting Machine Operator

GROUP 8: Cranes (85 tons and over, and all climbing, overhead, rail and tower), all attachments including clamshell, dragline; Loaders (overhead and front-end, 10 yards and over); Helicopter Pilot

BOOM PAY: (All Cranes, Including Tower)
180 ft to 250 ft $ .50 over scale
Over 250 ft $ .80 over scale

NOTE:
In computing the length of the boom on Tower Cranes, they shall be measured from the base of the Tower to the point of the boom.

HAZMAT:
Anyone working on HAZMAT jobs, working with supplied air shall receive $1.00 an hour above classification.

ENGI0370-006 06/01/2008

ADAMS, ASOTIN, BENTON, CHELAN (EAST OF THE 120TH MERIDIAN), COLUMBIA, DOUGLAS (EAST OF THE 120TH MERIDIAN), FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN (EAST OF THE 120TH MERIDIAN), PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN AND YAKIMA (EAST OF THE 120TH MERIDIAN) COUNTIES

WORK PERFORMED ON HYDRAULIC DREDGES

	Rates	Fringes
Hydraulic Dredge		
GROUP 1:.....	$ 31.85	13.53
GROUP 2:.....	$ 32.36	13.53
GROUP 3:.....	$ 32.41	13.53
GROUP 4:.....	$ 33.98	13.53
GROUP 5:.....	$ 31.85	13.53
GROUP 6:.....	$ 31.98	13.53
GROUP 7:.....	$ 32.36	13.53

GROUP 1: Assistant Mate (Deckhand)
GROUP 2: Assistant Engineer (Electric, Diesel, Steam, or Booster Pump)
GROUP 3: Engineer Welder
GROUP 4: Leverman, Hydraulic
GROUP 5: Maintenance
GROUP 6: Oiler
GROUP 7: Mates & Boatman

HEAVY WAGE RATES APPLIES TO CLAM SHELL DREDGE, HOE AND DIPPER, SHOVELS AND SHOVEL ATTACHMENTS, CRANES AND BULLDOZERS.

ENGI0612-001 06/01/2007

LEWIS, PIERCE, PACIFIC (THAT PORTION WHICH LIES NORTH OF A PARALLEL LINE EXTENDED WEST FROM THE NORTHERN BOUNDARY OF WAHKAIKUM COUNTY TO THE SEA IN THE STATE OF WASHINGTON) AND THURSTON COUNTIES

PROJECTS:
CATEGORY A PROJECTS (excludes Category B projects, as shown below)

	Rates	Fringes
Power equipment operators:		

WORK PERFORMED ON
HYDRAULIC DREDGES: Total
Project cost $300,000 and
over

GROUP 1	$ 31.33	12.75
GROUP 2	$ 31.46	12.75
GROUP 3	$ 31.84	12.75
GROUP 4	$ 31.89	12.75
GROUP 5	$ 33.46	12.75
GROUP 6	$ 31.33	12.75

WORK PERFORMED ON
HYDRAULIC DREDGES: Total
Project Cost under $300,000

GROUP 1	$ 26.96	8.40
GROUP 2	$ 27.06	8.40
GROUP 3	$ 27.38	8.40
GROUP 4	$ 27.43	8.40
GROUP 5	$ 28.75	8.40
GROUP 6	$ 26.96	8.40

ZONE 2 (26-45 radius miles) - Add $.70 to Zone 1 rates
ZONE 3 (Over 45 radius miles) - Add $1.00 to Zone 1 rates

BASEPOINTS: Tacoma, Olympia, and Centralia

CATEGORY B PROJECTS - 95% of the basic hourly rate for each group plus full fringe benefits applicable to Category A projects shall apply to the following projects: Reduced rates may be paid on the following:
1. Projects involving work on structures such as buildings and structures whose total value is less than $1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than $1 million where no building is involved. Surfacing and paving included, but utilities excluded.
3. Marine projects (docks, wharfs, etc.) less than $150,000

WORK PERFORMED ON HYDRAULIC DREDGES:

GROUP 1: Assistant Mate (Deckhand
GROUP 2: Oiler
GROUP 3: Assistant Engineer (Electric, Diesel, Steam or Booster Pump); Mates and Boatmen
GROUP 4: Craneman, Engineer Welder
GROUP 5: Leverman, Hydraulic
GROUP 6: Maintenance

HEAVY WAGE RATES APPLIES TO CLAM SHEEL DREDGE, HOE AND DIPPER, SHOVELS AND SHOVEL ATTACHMENTS, CRANES AND BULLDOZERS

HANDLING OF HAZARDOUS WASTE MATERIALS

H-1 - When not outfitted with protective clothing of level D equipment - Base wage rate
H-2 - Class "C" Suit - Base wage rate + $.25 per hour
H-3 - Class "B" Suit - Base wage rate + $.50 per hour
H-4 - Class "A" Suit - Base wage rate +$.75 per hour

ENGI0612-002 06/01/2008

LEWIS, PIERCE, PACIFIC (portion lying north of a parallel line extending west from the northern boundary of Wahkaikum County to the sea) AND THURSTON COUNTIES

ON PROJECTS DESCRIBED IN FOOTNOTE A BELOW, THE RATE FOR EACH GROUP SHALL BE 90% OF THE BASE RATE PLUS FULL FRINGE BENEFITS. ON ALL OTHER WORK, THE FOLLOWING RATES APPLY.

Zone 1 (0-25 radius miles):

	Rates	Fringes
Power equipment operators:		
GROUP 1A	$ 34.51	13.95
GROUP 1AA	$ 35.08	13.95
GROUP 1AAA	$ 35.65	13.95
GROUP 1	$ 33.96	13.95
GROUP 2	$ 33.47	13.95
GROUP 3	$ 33.05	13.95
GROUP 4	$ 30.69	13.95

Zone Differential (Add to Zone 1 rates):
Zone 2 (26-45 radius miles) = $ .70
Zone 3 (Over 45 radius miles) - $1.00

BASEPOINTS: CENTRALIA, OLYMPIA, TACOMA

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1 AAA - Cranes-over 300 tons or 300 ft of boom (including jib with attachments)

GROUP 1AA - Cranes- 200 tonsto 300 tons, or 250 ft of boom (including jib with attachments; Tower crane over 175 ft in height, bas to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader- overhead, 6 yards to, but not including, 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9 HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self-propelled 45 yards and over; Slipform pavers; Transporters, all track or truck type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator-concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-Overhead, bridge type, 20 tons through 44 tons; Chipper; Concrete pump-truck mount with boom attachment; Crusher; Deck engineer/deck winches (power); Drilling machine; Excavator, shovel, backhoe-3 yards and under; Finishing machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Loaders, overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics- all; Mixers, asphalt plant; Motor patrol graders, finishing; Piledriver (other than crane mount); Roto-mill, roto-

grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar Green; Scraper-self- propelled, hard tail end dump, articulating off-road equipment- under 45 yards; Subgrader trimmer; Tractors, backhoe over 75 hp; Transfer material service machine-shuttle buggy, Blaw Knox- Roadtec; Truck Crane oiler/driver-100 tons and over; Truck Mount Portable Conveyor; Yo Yo pay

GROUP 3 - Conveyors; Cranes through 19 tons with attachments; Crane-A-frame over 10 tons; Drill oilers-auger type, truck or crane mount; Dozer-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside Hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loaders-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pump-Concrete; Roller, plant mix or multi-lfit materials; Saws-concrete; Scrapers, concrete and carry all; Service engineers-equipment; Trenching machines; Truck crane oiler/driver under 100 tons; Tractors, backhoe under 75 hp

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete Finish Machine-laser screed; Cranes A-frame 10 tons and under; Elevator and manlift (permanent and shaft type); Forklifts-under 3000 lbs. with attachments; Gradechecker, stakehop; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger-mechanical; Power plant; Pumps-water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

FOOTNOTE A- Reduced rates may be paid on the following:
1. Projects involving work on structures such as buildings and bridges whose total value is less than $1.5 million excluding mechanical, electrical, and utility portions of the contract.

2. Projects of less than $1 million where no building is involved. Surfacing and paving included, but utilities excluded.

3. Marine projects (docks, wharfs, etc.) less than $150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing
H-2 Class "C" Suit - Base wage rate plus $ .25 per hour.
H-3 Class "B" Suit - Base wage rate plus $ .50 per hour.
H-4 Class "A" Suit - Base wage rate plus $ .75 per hour.

ENGI0701-002 01/01/2009

CLARK, COWLITZ, KLICKKITAT, PACIFIC (SOUTH), SKAMANIA, AND WAHKIAKUM COUNTIES

POWER RQUIPMENT OPERATORS: ZONE 1

	Rates	Fringes
Power equipment operators:		
(See Footnote A)		
GROUP 1	$ 36.22	10.90
GROUP 1A	$ 38.03	10.90
GROUP 1B	$ 39.84	10.90
GROUP 2	$ 34.65	10.90
GROUP 3	$ 33.69	10.90
GROUP 4	$ 32.78	10.90
GROUP 5	$ 31.71	10.90
GROUP 6	$ 28.82	10.90

Zone Differential (add to Zone 1 rates):
Zone 2 - $2.50
Zone 3 - $5.00

For the following metropolitan counties: MULTNOMAH; CLACKAMAS; MARION; WASHINGTON; YAMHILL; AND COLUMBIA; CLARK; AND COWLITZ COUNTY, WASHINGTON WITH MODIFICATIONS AS INDICATED:

All jobs or projects located in Multnomah, Clackamas and Marion Counties, West of the western boundary of Mt. Hood National Forest and West of Mile Post 30 on Interstate 84 and West of Mile Post 30 on State Highway 26 and West of Mile Post 30 on Highway 22 and all jobs or projects located in Yamhill County, Washington County and Columbia County and all jobs or projects located in Clark & Cowlitz County, Washington except that portion of Cowlitz County in the Mt. St. Helens "Blast Zone" shall receive Zone I pay for all classifications.

All jobs or projects located in the area outside the identified boundary above, but less than 50 miles from the Portland City Hall shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the Portland City Hall, but outside the identified border above, shall receive Zone III pay for all classifications.

For the following cities: ALBANY; BEND; COOS BAY; EUGENE; GRANTS PASS; KLAMATH FALLS; MEDFORD; ROSEBURG

All jobs or projects located within 30 miles of the respective city hall of the above mentioned cities shall receive Zone I pay for all classifications.

All jobs or projects located more than 30 miles and less than 50 miles from the respective city hall of the above mentioned cities shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the respective city hall of the above mentioned cities shall receive Zone III pay for all classifications.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: CONCRETE: Batch Plant and/or Wet Mix Operator, three units or more; CRANE: Helicopter Operator, when used in erecting work; Whirley Operator, 90 ton and over; LATTICE BOOM CRANE: Operator 200 tons through 299 tons, and/or over 200 feet boom; HYDRAULIC CRANE: Hydraulic Crane Operator 90 tons through 199 tons with luffing or tower attachments; FLOATING EQUIPMENT: Floating Crane, 150 ton but less than 250 ton

GROUP 1A: HYDRAULIC CRANE: Hydraulic Operator, 200 tons and over (with luffing or tower attachment); LATTICE BOOM CRANE: Operator, 200 tons through 299 tons, with over 200 feet boom; FLOATING EQUIPMENT: Floating Crane 250 ton and over

GROUP 1B: LATTICE BOOM CRANE: Operator, 300 tons through 399 tons with over 200 feet boom; Operator 400 tons and over; FLOATING EQUIPMENT: Floating Crane 350 ton and over

GROUP 2: ASPHALT: Asphalt Plant Operator (any type); Roto Mill, pavement profiler, operator, 6 foot lateral cut and over; BLADE: Auto Grader or "Trimmer" (Grade Checker required); Blade Operator, Robotic; BULLDOZERS: Bulldozer operator over 120,000 lbs and above; Bulldozer operator, twin engine; Bulldozer Operator, tandem, quadnine, D10, D11, and similar type; Bulldozere Robotic Equipment (any type; CONCRETE: Batch Plant and/or Wet Mix Operator, one and two drum; Automatic Concrete Slip Form Paver Operator; Concrete Canal Line Operator; Concrete Profiler, Diamond Head; CRANE: Cableway Operator, 25 tons and over; HYDRAULIC CRANE: Hydraulic crane operator 90 tons through 199 tons (without luffing or tower attachment); TOWER/WHIRLEY OPERATOR: Tower Crane Operator; Whirley Operator, under 90 tons; LATTICE BOOM CRANE: 90 through 199 tons and/or 150 to 200 feet boom; CRUSHER: Crusher Plant Operator; FLOATING EQUIPMENT: Floating Clamshell, etc. operator, 3 cu. yds. and over; Floating Crane (derrick barge) Operator, 30 tons but less than 150 tons; LOADERS: Loader operator, 120,000 lbs. and above; REMOTE CONTROL: Remote controlled earth-moving equipment; RUBBER-TIRED SCRAPERS: Rubber-tired scraper operator, with tandem scrapers, multi-engine; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER OPERATOR: Shovel, Dragline, Clamshell, operator 5 cu. yds and over; TRENCHING MACHINE: Wheel Excavator, under 750 cu. yds. per hour (Grade Oiler required); Canal Trimmer (Grade Oiler required); Wheel Excavator, over 750 cu. yds. per hour; Band Wagon (in conjunction with wheel excavator); UNDERWATER EQUIPMENT: Underwater Equipment Operator, remote or otherwise; HYDRAULIC HOES-EXCAVATOR: Excavator over 130,000 lbs.; HYDRAULIC CRANE: Hydraulic crane operator, 50 tons through 89 tons (with luffing or tower attachment);

GROUP 3: BULLDOZERS: Bulldozer operator, over 70,000 lbs. up to and including 120,000 lbs.; HYDRAULIC CRANE: Hydraulic crane operator, 50 tons through 89 tons (without luffing or tower attachment); LATTICE BOOM CRANES: Lattice Boom Crane-50 through 89 tons (and less than 150 feet boom); FORKLIFT: Rock Hound Operator; HYDRAULIC HOES-EXCAVATOR: excavator over 80,000 lbs. through 130,000 lbs.; LOADERS: Loader operator 60,000 and less than 120,000; RUBBER-TIRED SCRAPERS: Scraper Operator, with tandem scrapers; Self-loading, paddle wheel, auger type, finish and/or 2 or more units; SHOVEL, DRAGLINE, CLAMSHELL,SKOOPER OPERATOR: Shovel, Dragline, Clamshell operators 3 cu. yds. but less than 5 cu yds.

GROUP 4: ASPHALT: Screed Operator; Asphalt Paver operator (screeman required); BLADE: Blade operator; Blade operator, finish; Blade operator, externally controlled by electronic, mechanical hydraulic means; Blade operator,

multi-engine; BULLDOZERS: Bulldozer Operator over 20,000 lbs and more than 100 horse up to 70,000 lbs; Drill Cat Operator; Side-boom Operator; Cable-Plow Operator (any type); CLEARING: Log Skidders; Chippers; Incinerator; Stump Splitter (loader mounted or similar type); Stump Grinder (loader mounted or similar type; Tub Grinder; Land Clearing Machine (Track mounted forestry mowing & grinding machine); Hydro Axe (loader mounted or similar type); COMPACTORS SELF-PROPELLED: Compactor Operator, with blade; Compactor Operator, multi-engine; Compactor Operator, robotic; CONCRETE: Mixer Mobile Operator; Screed Operator; Concrete Cooling Machine Operator; Concrete Paving Road Mixer; Concrete Breaker; Reinforced Tank Banding Machine (K-17 or similar types); Laser Screed; CRANE: Chicago boom and similar types; Lift Slab Machine Operator; Boom type lifting device, 5 ton capacity or less; Hoist Operator, two (2) drum; Hoist Operator, three (3) or more drums; Derrick Operator, under 100 ton; Hoist Operator, stiff leg, guy derrick or similar type, 50 ton and over; Cableway Operator up to twenty (25) ton; Bridge Crane Operator, Locomotive, Gantry, Overhead; Cherry Picker or similar type crane; Carry Deck Operator; Hydraulic Crane Operator, under 50 tons; LATTICE BOOM CRANE OPERATOR: Lattice Boom Crane Operator, under 50 tons; CRUSHER: Generator Operator; Diesel-Electric Engineer; Grizzley Operator; Drill Doctor; Boring Machine Operator; Driller-Percussion, Diamond, Core, Cable, Rotary and similar type; Cat Drill (John Henry); Directional Drill Operator over 20,000 lbs pullback; FLOATING EQUIPMENT: Diesel-electric Engineer; Jack Operator, elevating barges, Barge Operator, self-unloading; Piledriver Operator (not crane type) (Deckhand required); Floating Clamshelll, etc. Operator, under 3 cu. yds. (Fireman or Diesel-Electric Engineer required); Floating Crane (derrick barge) Operator, less than 30 tons; GENERATORS: Generator Operator; Diesel-electric Engineer; GUARDRAIL EQUIPMENT: Guardrail Punch Operator (all types); Guardrail Auger Operator (all types); Combination Guardrail machines, i.e., punch auger, etc.; HEATING PLANT: Surface Heater and Planer Operator; HYDRAULIC HOES EXCAVATOR: Robotic Hydraulic backhoe operator, track and wheel type up to and including 20,0000 lbs. with any or all attachments; Excavator Operator over 20,000 lbs through 80,000 lbs.; LOADERS: Belt Loaders, Kolman and Ko Cal types; Loaders Operator, front end and overhead, 25,000 lbs and less than 60,000 lbs; Elevating Grader Operator by Tractor operator, Sierra, Euclid or similar types; PILEDRIVERS: Hammer Operator; Piledriver Operator (not crane type); PIPELINE, SEWER WATER: Pipe Cleaning Machine Operator; Pipe Doping Machine Operator; Pipe Bending Machine Operator; Pipe Wrapping Machine Operator; Boring Machine Operator; Back Filling Machine Operator; REMOTE CONTROL: Concrete Cleaning Decontamination Machine Operator; Ultra High Pressure Water Jet Cutting Tool System Operator/Mechanic; Vacuum Blasting Machine Operator/mechanic; REPAIRMEN, HEAVY DUTY: Diesel Electric Engineer (Plant or Floating; Bolt Threading Machine operator; Drill Doctor (Bit Grinder); H.D. Mechanic; Machine Tool Operator; RUBBER-TIRED SCRAPERS: Rubber-tired Scraper Operator, single engine, single scraper; Self-loading, paddle wheel, auger type under 15 cu. yds.; Rubber-tired Scraper Operator, twin engine; Rubber-tired Scraper Operator, with push-pull attachments;

Self Loading, paddle wheel, auger type 15 cu. yds. and over, single engine; Water pulls, water wagons; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER OPERATOR: Diesel Electric Engineer; Stationary Drag Scraper Operator; Shovel, Dragline, Clamshell, Operator under 3 cy yds.; Grade-all Operator; SURFACE (BASE) MATERIAL: Blade mounted spreaders, Ulrich and similar types; TRACTOR-RUBBERED TIRED: Tractor operator, rubber-tired, over 50 hp flywheel; Tractor operator, with boom attachment; Rubber-tired dozers and pushers (Michigan, Cat, Hough type); Skip Loader, Drag Box; TRENCHING MACHINE: Trenching Machine operator, digging capacity over 3 ft depth; Back filling machine operator; TUNNEL: Mucking machine operator

GROUP 5: ASPHALT: Extrusion Machine Operator; Roller Operator (any asphalt mix); Asphalt Burner and Reconditioner Operator (any type); Roto-Mill, pavement profiler, ground man; BULLDOZERS: Bulldozer operator, 20,000 lbs. or less or 100 horse or less; COMPRESSORS: Compressor Operator (any power), over 1,250 cu. ft. total capacity; COMPACTORS: Compactor Operator, including vibratory; Wagner Pactor Operator or similar type (without blade); CONCRETE: Combination mixer and Compressor Operator, gunite work; Concrete Batch Plant Quality Control Operator; Beltcrete Operator; Pumpcrete Operator (any type); Pavement Grinder and/or Grooving Machine Operator (riding type); Cement Pump Operator, Fuller-Kenyon and similar; Concrete Pump Operator; Grouting Machine Operator; Concrete mixer operator, single drum, under (5) bag capacity; Cast in place pipe laying machine; maginnis Internal Full slab vibrator operator; Concrete finishing machine operator, Clary, Johnson, Bidwell, Burgess Bridge deck or similar type; Curb Machine Operator, mechanical Berm, Curb and/or Curb and Gutter; Concrete Joint Machine Operator; Concrete Planer Operator; Tower Mobile Operator; Power Jumbo Operator setting slip forms in tunnels; Slip Form Pumps, power driven hydraulic lifting device for concrete forms; Concrete Paving Machine Operator; Concrete Finishing Machine Operator; Concrete Spreader Operator; CRANE: Helicopter Hoist Operator; Hoist Operator, single drum; Elevator Operator; A-frame Truck Operator, Double drum; Boom Truck Operator; HYDRAULIC CRANE OPERATOR: Hydraulic Boom Truck, Pittman; DRILLING: Churm Drill and Earth Boring Machine Operator; Vacuum Truck; Directional Drill Operator over 20,000 lbs pullback; FLOATING EQUIPMENT: Fireman; FORKLIFT: Fork Lift, over 10 ton and/or robotic; HYDRAULIC HOES EXCAVATORS: Hydraulic Backhoe Operator, wheel type (Ford, John Deere, Case type); Hydraulic Backhoe Operator track type up to and including 20,000 lbs.; LOADERS: Loaders, rubber- tired type, less than 25,000 lbs; Elevating Grader Operator, Tractor Towed requiring Operator or Grader; Elevating loader operator, Athey and similar types; OILERS: Service oiler (Greaser); PIPELINE-SEWER WATER: Hydra hammer or similar types; Pavement Breaker Operator; PUMPS: Pump Operator, more than 5 (any size); Pot Rammer Operator; RAILROAD EQUIPMENT: Locomotive Operator, under 40 tons; Ballast Regulator Operator; Ballast Tamper Multi-Purpose Operator; Track Liner Operator; Tie Spacer Operator; Shuttle Car Operator; Locomotive Operator, 40 tons and over; MATERIAL HAULRS: Cat wagon DJBs Volvo similar types; Conveyored material hauler;

SURFACING (BASE) MATERIAL: Rock Spreaders, self-propelled; Pulva-mixer or similar types; Chip Spreading machine operator; Lime spreading operator, construction job siter; SWEEPERS: Sweeper operator (Wayne type) self-propelled construction job site; TRACTOR-RUBBER TIRED: Tractor operator, rubber-tired, 50 hp flywheel and under; Trenching machine operator, maximum digging capacity 3 ft depth; TUNNEL: Dinkey

GROUP 6: ASPHALT: Plant Oiler; Plant Fireman; Pugmill Operator (any type); Truck mounted asphalt spreader, with screed; COMPRESSORS: Compressor Operator (any power), under 1,250 cu. ft. total capacity; CONCRETE: Plant Oiler, Assistant Conveyor Operator; Conveyor Operator; Mixer Box Operator (C.T.B., dry batch, etc.); Cement Hog Operator; Concrete Saw Operator; Concrete Curing Machine Operator (riding type); Wire Mat or Brooming Machine Operator; CRANE: Oiler; Fireman, all equipment; Truck Crane Oiler Driver; A-frame Truck Operator, single drum; Tugger or Coffin Type Hoist Operator; CRUSHER: Crusher Oiler; Crusher Feederman; CRUSHER: Crusher oiler; Crusher feederman; DRILLING: Drill Tender; Auger Oiler; FLOATING EQUIPMENT: Deckhand; Boatman; FORKLIFT: Self-propelled Scaffolding Operator, construction job site (excluding working platform); Fork Lift or Lumber Stacker Operator, construction job site; Ross Carrier Operator, construction job site; Lull Hi-Lift Operator or Similar Type; GUARDRAIL EQUIPMENT: Oiler; Auger Oiler; Oiler, combination guardrail machines; Guardrail Punch Oiler; HEATING PLANT: Temporary Heating Plant Operator; LOADERS: Bobcat, skid steer (less than 1 cu yd.); Bucket Elevator Loader Operator, BarberGreene and similar types; OILERS: Oiler; Guardrail Punch Oiler; Truck Crane Oiler-Driver; Auger Oiler; Grade Oiler, required to check grade; Grade Checker; Rigger; PIPELINE-SEWER WATER: Tar Pot Fireman; Tar Pot Fireman (power agitated); PUMPS: Pump Operator (any power); Hydrostatic Pump Operator; RAILROAD EQUIPMENT: Brakeman; Oiler; Switchman; Motorman; Ballast Jack Tamper Operator; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER, ETC. OPERATOR: Oiler, Grade Oiler (required to check grade); Grade Checker; Fireman; SWEEPER: Broom operator, self propelled, construction job site; SURFACING (BASE) MATERIAL: Roller Operator, grading of base rock (not asphalt); Tamping Machine operator, mechanical, self-propelled; Hydrographic Seeder Machine Operator; TRENCHING MACHINE: Oiler; Grade Oiler; TUNNEL: Conveyor operator; Air filtration equipment operator

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* ENGI0701-003 01/01/2009

CLARK, COWLITZ, KLICKITAT, PACIFIC (SOUTH), SKAMANIA, AND WAHKIAKUM COUNTIES

DREDGING:

	Rates	Fringes
Dredging:		
ZONE A		
ASSISTANT ENGINEER.....	$ 37.30	10.80
ASSISTANT MATE.....	$ 32.96	10.80
LEVERMAN, DIPPER, FLOATING CLAMSHELL.....	$ 39.88	10.80

LEVERMAN, HYDRAULIC.....$ 39.88 10.80
TENDERMAN.....$ 36.12 10.80
ZONE B
ASSISTANT ENGINEER.....$ 39.80 10.80
ASSISTANT MATE.....$ 35.46 10.80
LEVERMAN, DIPPER,
FLOATING CLAMSHELL.....$ 42.38 10.80
LEVERMAN, HYDRAULIC.....$ 42.38 10.80
TENDERMAN.....$ 38.62 10.80
ZONE C
ASSISTANT ENGINEER.....$ 41.30 10.80
ASSISTANT MATE.....$ 36.96 10.80
LEVERMAN, DIPPER,
FLOATING CLAMSHELL.....$ 43.88 10.80
LEVERMAN, HYDRAULIC.....$ 43.88 10.80
TENDERMAN.....$ 40.12 10.80

ZONE DESCRIPTION FOR DREDGING:

ZONE A - All jobs or projects located within 30 road miles of Portland City Hall.
ZONE B - Over 30-60 road miles from Portland City Hall.
ZONE C - Over 60 road miles from Portland City Hall.

*All jobs or projects shall be computed from the city hall by the shortest route to the geographical center of the project.

IRON0014-005 07/01/2008

ADAMS, ASOTIN, BENTON, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND ORIELLE, SPOKANE, STEVENS, WALLA WALLA AND WHITMAN COUNTIES

	Rates	Fringes
IRONWORKER.....	$ 29.52	17.87

IRON0029-002 07/01/2008

CLARK, COWLITZ, KLICKITAT, PACIFIC, SKAMANIA, AND WAHKAIKUM COUNTIES

	Rates	Fringes
IRONWORKER.....	$ 31.65	17.87

IRON0086-002 07/01/2008

YAKIMA, KITTITAS AND CHELAN COUNTIES

	Rates	Fringes
IRONWORKER.....	$ 30.00	17.87

IRON0086-004 07/01/2008

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PIERCE, SKAGIT, SNOHOMISH, THURSTON, AND WHATCOM COUNTIES

	Rates	Fringes
IRONWORKER.....	$ 34.40	17.87

LABO0001-002 06/01/2008

ZONE 1:

	Rates	Fringes
Laborers:		
CALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (NORTH OF STRAIGHT LINE MADE BY EXTENDING THE NORTH BOUNDARY WAHKIAKUM COUNTY WEST TO THE PACIFIC OCEAN), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES		
GROUP 1	$ 21.19	8.46
GROUP 2	$ 24.01	8.46
GROUP 3	$ 29.66	8.46
GROUP 4	$ 30.37	8.46
GROUP 5	$ 30.85	8.46
CHELAN, DOUGLAS (WEST OF THE 120TH MERIDIAN), KITTITAS AND YAKIMA COUNTIES		
GROUP 1	$ 17.45	8.46
GROUP 2	$ 19.97	8.46
GROUP 3	$ 21.85	8.46
GROUP 4	$ 22.37	8.46
GROUP 5	$ 22.76	8.46

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
ZONE 2 - $ .70
ZONE 3 - $1.00

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

ZONE 1 - Projects within 25 radius miles of the respective city hall
ZONE 2 - More than 25 but less than 45 radius miles from the respective city hall
ZONE 3 - More than 45 radius miles from the respective city hall

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT, TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT. TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective city hall
ZONE 2 - More than 25 but less than 45 radius miles from the respective city hall
ZONE 3 - More than 45 radius miles from the respective city hall

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window Washer/Cleaner (detail clean-up, such as but not limited to cleaning floors, ceilings, walls, windows, etc., prior to final acceptance by the owner)

GROUP 2: Batch Weighman; Crusher Feeder; Fence Laborer; Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer;

Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, airtrac); Faller and Bucker Chain Saw; Grade Checker and Transit Person; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B); High Scaler; Jackhammer; Laser beam Operator; Manhole Builder-Mudman; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and gas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Miner; Mortarman and Hodcarrier; Powderman; Re-Timberman; Hazardous Waste Worker (Level A).

LABO0238-004 06/01/2008

ADAMS, ASOTIN, BENTON, COLUMBIA, DOUGLAS (EAST OF THE 120TH MERIDIAN), FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND OREILLE, STEVENS, SPOKANE, WALLA WALLA AND WHITMAN COUNTIES

	Rates	Fringes
Laborers:		
ZONE 1:		
GROUP 1	$ 20.56	7.70
GROUP 2	$ 22.66	7.70
GROUP 3	$ 22.93	7.70
GROUP 4	$ 23.20	7.70
GROUP 5	$ 23.48	7.70
GROUP 6	$ 24.85	7.70

Zone Differential (Add to Zone 1 rate): $2.00

BASE POINTS: Spokane, Pasco, Lewiston

Zone 1: 0-45 radius miles from the main post office.
Zone 2: 45 radius miles and over from the main post office.

LABORERS CLASSIFICATIONS

GROUP 1: Flagman; Landscape Laborer; Scaleman; Traffic Control Maintenance Laborer (to include erection and maintenance of barricades, signs and relief of flagperson); Window Washer/Cleaner (detail cleanup, such as, but not

limited to cleaning floors, ceilings, walls, windows, etc. prior to final acceptance by the owner)

GROUP 2: Asbestos Abatement Worker; Brush Hog Feeder; Carpenter Tender; Cement Handler; Clean-up Laborer; Concrete Crewman (to include stripping of forms, hand operating jacks on slip form construction, application of concrete curing compounds, pumpcrete machine, signaling, handling the nozzle of squeezcrete or similar machine,6 inches and smaller); Confined Space Attendant; Concrete Signalman; Crusher Feeder; Demolition (to include clean-up, burning, loading, wrecking and salvage of all material); Dumpman; Fence Erector; Firewatch; Form Cleaning Machine Feeder, Stacker; General Laborer; Grout Machine Header Tender; Guard Rail (to include guard rails, guide and reference posts, sign posts, and right-of-way markers); Hazardous Waste Worker, Level D (no respirator is used and skin protection is minimal); Miner, Class "A" (to include all bull gang, concrete crewman, dumpman and pumpcrete crewman, including distributing pipe, assembly & dismantle, and nipper); Nipper; Riprap Man; Sandblast Tailhoseman; Scaffold Erector (wood or steel); Stake Jumper; Structural Mover (to include separating foundation, preparation, cribbing, shoring, jacking and unloading of structures); Tailhoseman (water nozzle); Timber Bucker and Faller (by hand); Track Laborer (RR); Truck Loader; Well-Point Man; All Other Work Classifications Not Specially Listed Shall Be Classified As General Laborer

GROUP 3: Aspahlt Raker; Asphalt Roller, walking; Cement Finisher Tender; Concrete Saw, walking; Demolition Torch; Dope Pot Firemen, non-mechanical; Driller Tender (when required to move and position machine); Form Setter, Paving; Grade Checker using level; Hazardous Waste Worker, Level C (uses a chemical "splash suit" and air purifying respirator); Jackhammer Operator; Miner, Class "B" (to include brakeman, finisher, vibrator, form setter); Nozzleman (to include squeeze and flo-crete nozzle); Nozzleman, water, air or steam; Pavement Breaker (under 90 lbs.); Pipelayer, corrugated metal culvert; Pipelayer, multi- plate; Pot Tender; Power Buggy Operator; Power Tool Operator, gas, electric, pneumatic; Railroad Equipment, power driven, except dual mobile power spiker or puller; Railroad Power Spiker or Puller, dual mobile; Rodder and Spreader; Tamper (to include operation of Barco, Essex and similar tampers); Trencher, Shawnee; Tugger Operator; Wagon Drills; Water Pipe Liner; Wheelbarrow (power driven)

GROUP 4: Air and Hydraulic Track Drill; Brush Machine (to include horizontal construction joint cleanup brush machine, power propelled); Caisson Worker, free air; Chain Saw Operator and Faller; Concrete Stack (to include laborers when laborers working on free standing concrete stacks for smoke or fume control above 40 feet high); Gunite (to include operation of machine and nozzle); Hazardous Waste Worker, Level B (uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); High Scaler; Laser Beam Operator (to include grade checker and elevation control); Miner, Class C (to include miner, nozzleman for concrete, laser beam operator and rigger on tunnels);

Monitor Operator (air track or similar mounting); Mortar Mixer; Nozzleman (to include jet blasting nozzleman, over 1,200 lbs., jet blast machine power propelled, sandblast nozzle); Pavement Breaker (90 lbs. and over); Pipelayer (to include working topman, caulker, collarman, jointer, mortarman, rigger, jacker, shorer, valve or meter installer); Pipewrapper; Plasterer Tender; Vibrators (all)

GROUP 5 - Drills with Dual Masts; Hazardous Waste Worker, Level A (utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line); Miner Class "D", (to include raise and shaft miner, laser beam operator on riases and shafts)

GROUP 6 - Powderman

LABO0238-006 06/01/2008

COUNTIES EAST OF THE 120TH MERIDIAN: ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND OREILLE, STEVENS, SPOKANE, WALLA WALLA, WHITMAN

	Rates	Fringes
Hod Carrier	$ 24.10	7.70

LABO0335-001 06/01/2008

CLARK, COWLITZ, KLICKITAT, PACIFIC (SOUTH OF A STRAIGHT LINE MADE BY EXTENDING THE NORTH BOUNDARY LINE OF WAHKIAKUM COUNTY WEST TO THE PACIFIC OCEAN), SKAMANIA AND WAHKIAKUM COUNTIES

	Rates	Fringes
Laborers:		
ZONE 1:		
GROUP 1	$ 27.46	8.40
GROUP 2	$ 28.06	8.40
GROUP 3	$ 28.50	8.40
GROUP 4	$ 28.88	8.40
GROUP 5	$ 24.96	8.40
GROUP 6	$ 22.54	8.40
GROUP 7	$ 19.34	8.40

Zone Differential (Add to Zone 1 rates):
Zone 2 $ 0.65
Zone 3 - 1.15
Zone 4 - 1.70
Zone 5 - 2.75

BASE POINTS: GOLDENDALE, LONGVIEW, AND VANCOUVER

ZONE 1: Projects within 30 miles of the respective city all.
ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.
ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.
ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.
ZONE 5: More than 80 miles from the respective city hall.

LABORERS CLASSIFICATIONS

GROUP 1: Asphalt Plant Laborers; Asphalt Spreaders; Batch Weighman; Broomers; Brush Burners and Cutters; Car and Truck Loaders; Carpenter Tender; Change-House Man or Dry

Shack Man; Choker Setter; Clean-up Laborers; Curing, Concrete; Demolition, Wrecking and Moving Laborers; Dumpers, road oiling crew; Dumpmen (for grading crew); Elevator Feeders; Guard Rail, Median Rail Reference Post, Guide Post, Right of Way Marker; Fine Graders; Fire Watch; Form Strippers (not swinging stages); General Laborers; Hazardous Waste Worker; Leverman or Aggregate Spreader (Flaherty and similar types); Loading Spotters; Material Yard Man (including electrical); Pittsburgh Chipper Operator or Similar Types; Railroad Track Laborers; Ribbon Setters (including steel forms); Rip Rap Man (hand placed); Road Pump Tender; Sewer Labor; Signalman; Skipman; Slopers; Spraymen; Stake Chaser; Stockpiler; Tie Back Shoring; Timber Faller and Bucker (hand labor); Toolroom Man (at job site); Tunnel Bullgang (above ground); Weight-Man- Crusher (aggregate when used)

GROUP 2: Applicator (including pot power tender for same), applying protective material by hand or nozzle on utility lines or storage tanks on project; Brush Cutters (power saw); Burners; Choker Splicer; Clary Power Spreader and similar types; Clean- up Nozzleman-Green Cutter (concrete, rock, etc.); Concrete Power Buggyman; Concrete Laborer; Crusher Feeder; Demolition and Wrecking Charred Materials; Gunite Nozzleman Tender; Gunite or Sand Blasting Pot Tender; Handlers or Mixers of all Materials of an irritating nature (including cement and lime); Tool Operators (includes but not limited to: Dry Pack Machine; Jackhammer; Chipping Guns; Paving Breakers); Pipe Doping and Wrapping; Post Hole Digger, air, gas or electric; Vibrating Screed; Tampers; Sand Blasting (Wet); Stake-Setter; Tunnel-Muckers, Brakemen, Concrete Crew, Bullgang (underground)

GROUP 3: Asbestos Removal; Bit Grinder; Drill Doctor; Drill Operators, air tracks, cat drills, wagon drills, rubber-mounted drills, and other similar types including at crusher plants; Gunite Nozzleman; High Scalers, Strippers and Drillers (covers work in swinging stages, chairs or belts, under extreme conditions unusual to normal drilling, blasting, barring-down, or sloping and stripping); Manhole Builder; Powdermen; Concrete Saw Operator; Pwdermen; Power Saw Operators (Bucking and Falling); Pumpcrete Nozzlemen; Sand Blasting (Dry); Sewer Timberman; Track Liners, Anchor Machines, Ballast Regulators, Multiple Tampers, Power Jacks, Tugger Operator; Tunnel-Chuck Tenders, Nippers and Timbermen; Vibrator; Water Blaster

GROUP 4: Asphalt Raker; Concrete Saw Operator (walls); Concrete Nozzelman; Grade Checker; Pipelayer; Laser Beam (pipelaying)-applicable when employee assigned to move, set up, align; Laser Beam; Tunnel Miners; Motorman-Dinky Locomotive-Tunnel; Powderman-Tunnel; Shield Operator-Tunnel

GROUP 5: Traffic Flaggers

GROUP 6: Fence Builders

GROUP 7: Landscaping or Planting Laborers

LABO0335-010 06/01/2008

	Rates	Fringes
Hod Carrier	$ 29.58	8.40

PAIN0005-002 06/01/2008

STATEWIDE EXCEPT CLARK, COWLITZ, KLICKITAT, PACIFIC (SOUTH), SKAMANIA, AND WAHKIAKUM COUNTIES

	Rates	Fringes
Painters:		
STRIPERS	$ 26.50	11.40

PAIN0005-004 07/01/2007

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES

	Rates	Fringes
PAINTER	$ 19.91	6.85

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* PAIN0005-006 07/01/2008

ADAMS, ASOTIN; BENTON AND FRANKLIN (EXCEPT HANFORD SITE); CHELAN, COLUMBIA, DOUGLAS, FERRY, GARFIELD, GRANT, KITTITAS, LINCOLN, OKANOGAN, PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN AND YAKIMA COUNTIES

	Rates	Fringes
Painters:		
Application of Cold Tar Products, Epoxies, Polyure thanes, Acids, Radiation Resistant Material, Water and Sandblasting, Bridges, Towers, Tanks, Stacks, Steeples	$ 20.84	7.88
Over 30'/Swing Stage Work	$ 21.54	7.88
Brush, Roller, Striping, Steam-cleaning and Spray	$ 15.09	6.68
Lead Abatement, Asbestos Abatement	$ 20.84	7.88
TV Radio, Electrical Transmission Towers	$ 21.59	7.88
Over 30'/Swing Stage Work	$ 22.29	7.88

*$.70 shall be paid over and above the basic wage rates listed for work on swing stages and high work of over 30 feet.

PAIN0055-002 10/01/2008

CLARK, COWLITZ, KLICKITAT, PACIFIC, SKAMANIA, AND WAHKIAKUM COUNTIES

	Rates	Fringes
Painters:		
Brush & Roller	$ 19.69	7.14
High work - All work 60 ft. or higher	$ 20.44	7.14
Spray and Sandblasting	$ 20.29	7.14

PAIN0055-007 06/01/2007

CLARK, COWLITZ, KLICKITAT, SKAMANIA and WAHKIAKUM COUNTIES

	Rates	Fringes
Painters:		
HIGHWAY & PARKING LOT STRIPER	$ 28.27	8.27

PLAS0072-004 06/01/2007

ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT, KITTITAS, LINCOLN, OKANOGAN, PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN, AND YAKIMA COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
ZONE 1:	$ 24.68	7.98

Zone Differential (Add to Zone 1 rate): Zone 2 - $2.00

BASE POINTS: Spokane, Pasco, Moses Lake, Lewiston
Zone 1: 0 - 45 radius miles from the main post office
Zone 2: Over 45 radius miles from the main post office

PLAS0528-001 06/01/2008

CLALLAM, COWLITZ, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC, PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON, WAHKIAKUM AND WHATCOM COUNTIES

	Rates	Fringes
Cement Masons:		
CEMENT MASON	$ 34.68	12.13
COMPOSITION, COLOR MASTIC, TROWEL MACHINE, GRINDER, POWER TOOLS, GUNNITE NOZZLE	$ 35.18	12.13
TROWLING MACHINE OPERATOR ON COLORED SLABS, COMPOSITION OR KALMAN FLOORS	$ 36.18	12.13

PLAS0555-002 06/01/2008

CLARK, KLICKITAT AND SKAMANIA COUNTIES

ZONE 1:

	Rates	Fringes
Cement Masons:		
CEMENT MASONS DOING BOTH COMPOSITION/POWER MACHINERY AND SUSPENDED/HANGING SCAFFOLD	$ 27.87	14.83
CEMENT MASONS ON SUSPENDED, SWINGING AND/OR HANGING SCAFFOLD	$ 27.34	14.83
CEMENT MASONS	$ 26.80	14.83
COMPOSITION WORKERS AND POWER MACHINERY OPERATORS	$ 27.34	14.83

Zone Differential (Add To Zone 1 Rates):
Zone 2 - $0.65

Zone 3 - 1.15
Zone 4 - 1.70
Zone 5 - 3.00

BASE POINTS: BEND, CORVALLIS, EUGENE, MEDFORD, PORTLAND, SALEM, THE DALLES, VANCOUVER

ZONE 1: Projects within 30 miles of the respective city hall
ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.
ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.
ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.
ZONE 5: More than 80 miles from the respective city hall

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* PLUM0032-002 01/01/2009

CLALLAM, KING AND JEFFERSON COUNTIES

	Rates	Fringes
Plumbers and Pipefitters	$ 43.68	18.06

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* PLUM0032-003 01/01/2009

CHELAN, KITTITAS (NORTHERN TIP), DOUGLAS (NORTH), AND OKANOGAN (NORTH) COUNTIES

	Rates	Fringes
Plumbers and Pipefitters	$ 31.46	14.61

PLUM0044-003 06/01/2007

ADAMS (NORTHERN PART), ASOTIN (CLARKSTON ONLY), FERRY (EASTERN PART), LINCOLN, PEND ORIELLE, STEVENS, SPOKANE, AND WHITMAN COUNTIES

	Rates	Fringes
Plumbers and Pipefitters		
ADAMS (NORTHERN PART), ASOTIN (CLARKSTON ONLY), FERRY (EASTERN PART), LINCOLN, PEND ORIELLE AND STEVENS AND SPOKANE COUNTIES	$ 30.14	12.81
WHITMAN COUNTY	$ 36.24	12.81

PLUM0082-001 06/01/2007

CLARK (NORTHERN TIP INCLUDING WOODLAND), COWLITZ, GRAYS HARBOR, LEWIS, MASON (EXCLUDING NE SECTION), PACIFIC, PIERCE SKAMANIA, THURSTON AND WAHKIAKUM COUNTIES

	Rates	Fringes
Plumbers and Pipefitters	$ 35.55	15.32

PLUM0265-003 06/01/2007

ISLAND, SKAGIT, SNOHOMISH, SAN JUAN AND WHATCOM COUNTIES

	Rates	Fringes
Plumbers and Pipefitters	$ 35.55	15.32

PLUM0290-003 10/01/2008

CLARK (ALL EXCLUDING NORTHERN TIP INCLUDING CITY OF WOODLAND)

	Rates	Fringes
Plumbers and Pipefitters	$ 35.69	16.99

PLUM0598-005 06/01/2008

ADAMS (SOUTHERN PART), ASOTIN (EXCLUDING THE CITY OF CLARKSTON), BENTON, COLUMBIA, DOUGLAS (EASTERN HALF), FERRY (WESTERN PART), FRANKLIN, GARFIELD, GRANT, KITTITAS (ALL BUT NORTHERN TIP), KLICKITAT, LINCOLN (WESTERN PART), OKANOGAN (EASTERN), WALLA WALLA AND YAKIMA COUNTIES

	Rates	Fringes
PLUMBER	$ 38.64	19.10

PLUM0631-001 06/01/2007

MASON (NE SECTION), AND KITSAP COUNTIES

	Rates	Fringes
Plumbers and Pipefitters		
All new construction, additions, and remodeling of commercial building projects such as: cocktail lounges and taverns, professional buildings, medical clinics, retail stores, hotels and motels, restaurants and fast food types, gasoline service stations, and car washes where the plumbing and mechanical cost of the project is less than $100,000	$ 27.39	11.18
All other work where the plumbing and mechanical cost of the project is $100,000 and over	$ 34.90	15.32

TEAM0037-002 06/01/2008

CLARK, COWLITZ, KLICKITAT, PACIFIC (South of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), SKAMANIA, AND WAHKIAKUM COUNTIES

	Rates	Fringes
Truck drivers:		
ZONE 1		
GROUP 1	$ 26.40	11.91
GROUP 2	$ 26.52	11.91
GROUP 3	$ 26.65	11.91
GROUP 4	$ 26.91	11.91
GROUP 5	$ 27.13	11.91
GROUP 6	$ 27.29	11.91
GROUP 7	$ 27.49	11.91

Zone Differential (Add to Zone 1 Rates):
Zone 2 - $0.65
Zone 3 - 1.15
Zone 4 - 1.70
Zone 5 - 2.75

BASE POINTS: ASTORIA, THE DALLES, LONGVIEW AND VANCOUVER

ZONE 1: Projects within 30 miles of the respective city hall.

ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.

ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.

ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.

ZONE 5: More than 80 miles from the respective city hall.

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: A Frame or Hydra lift truck w/load bearing surface; Articulated Dump Truck; Battery Rebuilders; Bus or Manhaul Driver; Concrete Buggies (power operated); Concrete Pump Truck; Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations there of: up to and including 10 cu. yds.; Lift Jitneys, Fork Lifts (all sizes in loading, unloading and transporting material on job site); Loader and/or Leverman on Concrete Dry Batch Plant (manually operated); Pilot Car; Pickup Truck; Solo Flat Bed and misc. Body Trucks, 0-10 tons; Truck Tender; Truck Mechanic Tender; Water Wagons (rated capacity) up to 3,000 gallons; Transit Mix and Wet or Dry Mix - 5 cu. yds. and under; Lubrication Man, Fuel Truck Driver, Tireman, Wash Rack, Steam Cleaner or combinations; Team Driver; Slurry Truck Driver or Leverman; Tireman

GROUP 2: Boom Truck/Hydra-lift or Retracting Crane; Challenger; Dumpsters or similar equipment all sizes; Dump Trucks/Articulated Dumps 6 cu to 10 cu.; Flaherty Spreader Driver or Leverman; Lowbed Equipment, Flat Bed Semi-trailer or doubles transporting equipment or wet or dry materials; Lumber Carrier, Driver-Straddle Carrier (used in loading, unloading and transporting of materials on job site); Oil Distributor Driver or Leverman; Transit mix and wet or dry mix trcuks: over 5 cu. yds. and including 7 cu. yds.; Vacuum Trucks; Water truck/Wagons (rated capacity) over 3,000 to 5,000 gallons

GROUP 3: Ammonia Nitrate Distributor Driver; Dump trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 10 cu. yds. and including 30 cu. yds. includes Articulated Dump Trucks; Self-Propelled Street Sweeper; Transit mix and wet or dry mix truck: over 7 cu yds. and including 11 cu yds.; Truck Mechanic-Welder-Body Repairman; Utility and Clean-up Truck; Water Wagons (rated capacity) over 5,000 to 10,000 gallons

GROUP 4: Asphalt Burner; Dump Trucks, side, end and bottom cumps, including Semi-Trucks and Trains or combinations thereof: over 30 cu. yds. and including 50 cu. yds. includes Articulated Dump Trucks; Fire Guard; Transit Mix and Wet or Dry Mix Trucks, over 11 cu. yds. and including 15 cu. yds.; Water Wagon (rated capacity) over 10,000 gallons to 15,000 gallons

GROUP 5: Composite Crewman; Dump Trucks, side, end and

bottom dumps, including Semi Trucks and Trains or combinations thereof: over 50 cu. yds. and including 60 cu. yds. includes Articulated Dump Trucks

GROUP 6: Bulk Cement Spreader w/o Auger; Dry Pre-Batch concrete Mix Trucks; Dump trucks, side, end and bottom dumps, including Semi Trucks and Trains of combinations thereof: over 60 cu. yds. and including 80 cu. yds., and includes Articulated Dump Trucks; Skid Truck

GROUP 7: Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 80 cu. yds. and including 100 cu. yds., includes Articulated Dump Trucks; Industrial Lift Truck (mechanical tailgate)

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* TEAM0174-001 06/01/2008

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (North of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES

	Rates	Fringes
Truck drivers:		
ZONE A:		
GROUP 1:.....	$ 31.37	12.88
GROUP 2:.....	$ 30.57	12.88
GROUP 3:.....	$ 27.90	12.88
GROUP 4:.....	$ 23.17	12.88
GROUP 5:.....	$ 30.95	12.88

ZONE B (25-45 miles from center of listed cities*): Add $.70 per hour to Zone A rates.
ZONE C (over 45 miles from centr of listed cities*): Add $1.00 per hour to Zone A rates.

*Zone pay will be calculated from the city center of the following listed cities:

BELLINGHAM	CENTRALIA	RAYMOND	OLYMPIA
EVERETT	SHELTON	ANACORTES	BELLEVUE
SEATTLE	PORT ANGELES	MT. VERNON	KENT
TACOMA	PORT TOWNSEND	ABERDEEN	BREMERTON

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1 - "A-frame or Hydralift" trucks and Boom trucks or similar equipment when "A" frame or "Hydralift" and Boom truck or similar equipment is used; Buggymobile; Bulk Cement Tanker; Dumpsters and similar equipment, Tournorockers, Tournowagon, Tournotrailer, Cat DW series, Terra Cobra, Le Tourneau, Westinghouse, Athye Wagon, Euclid Two and Four-Wheeled power tractor with trailer and similar top-loaded equipment transporting material: Dump Trucks, side, end and bottom dump, including semi-trucks and trains or combinations thereof with 16 yards to 30 yards capacity: Over 30 yards $.15 per hour additional for each 10 yard increment; Explosive Truck (field mix) and similar equipment; Hyster Operators (handling bulk loose aggregates); Lowbed and Heavy Duty Trailer; Road Oil Distributor Driver; Spreader, Flaherty Transit mix used exclusively in heavy construction; Water Wagon and Tank

Truck-3,000 gallons and over capacity

GROUP 2 - Bulllifts, or similar equipment used in loading or unloading trucks, transporting materials on job site; Dumpsters, and similar equipment, Tournorockers, Tournowagon, Turnotrailer, Cat. D.W. Series, Terra Cobra, Le Tourneau, Westinghouse, Athye wagon, Euclid two and four-wheeled power tractor with trailer and similar top-loaded equipment transporting material: Dump trucks, side, end and bottom dump, including semi-trucks and trains or combinations thereof with less than 16 yards capacity; Flatbed (Dual Rear Axle); Grease Truck, Fuel Truck, Greaser, Battery Service Man and/or Tire Service Man; Leverman and loader at bunkers and batch plants; Oil tank transport; Scissor truck; Slurry Truck; Sno-Go and similar equipment; Swampers; Straddler Carrier (Ross, Hyster) and similar equipment; Team Driver; Tractor (small, rubber-tired)(when used within Teamster jurisdiction); Vacuum truck; Water Wagon and Tank trucks-less than 3,000 gallons capacity; Winch Truck; Wrecker, Tow truck and similar equipment

GROUP 3 - Flatbed (single rear axle); Pickup Sweeper; Pickup Truck. (Adjust Group 3 upward by $2.00 per hour for onsite work only)

GROUP 4 - Escort or Pilot Car

GROUP 5 - Mechanic

HAZMAT PROJECTS

Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in addition to the classification working in as follows:

LEVEL C: +$.25 per hour - This level uses an air purifying respirator or additional protective clothing.

LEVEL B: +$.50 per hour - Uses same respirator protection as Level A. Supplied air line is provided in conjunction with a chemical "splash suit."

LEVEL A: +$.75 per hour - This level utilizes a fully-encapsulated suit with a self-contained breathing apparatus or a supplied air line.

TEAM0760-002 06/01/2008

ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT KITTITAS, LINCOLN, OKANOGAN, PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN AND YAKIMA COUNTIES

	Rates	Fringes
Truck drivers: (ANYONE WORKING ON HAZMAT JOBS SEE FOOTNOTE A BELOW)		
ZONE 1:		
GROUP 1	$ 20.02	11.05
GROUP 2	$ 22.29	11.05
GROUP 3	$ 22.79	11.05
GROUP 4	$ 23.12	11.05
GROUP 5	$ 23.23	11.05
GROUP 6	$ 23.40	11.05

GROUP 7.....$ 23.93 11.05
GROUP 8.....$ 24.26 11.05

Zone Differential (Add to Zone 1 rate: Zone 2 - $2.00)

BASE POINTS: Spokane, Moses Lake, Pasco, Lewiston
Zone 1: 0-45 radius miles from the main post office.
Zone 2: Outside 45 radius miles from the main post office

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Escort Driver or Pilot Car; Employee Haul; Power Boat Hauling Employees or Material

GROUP 2: Fish Truck; Flat Bed Truck; Fork Lift (3000 lbs. and under); Leverperson (loading trucks at bunkers); Trailer Mounted Hydro Seeder and Mulcher; Seeder & Mulcher; Stationary Fuel Operator; Tractor (small, rubber-tired, pulling trailer or similar equipment)

GROUP 3: Auto Crane (2000 lbs. capacity); Buggy Mobile & Similar; Bulk Cement Tanks & Spreader; Dumptor (6 yds. & under); Flat Bed Truck with Hydraullic System; Fork Lift (3001-16,000 lbs.); Fuel Truck Driver, Steamcleaner & Washer; Power Operated Sweeper; Rubber-tired Tunnel Jumbo; Scissors Truck; Slurry Truck Driver; Straddle Carrier (Ross, Hyster, & similar); Tireperson; Transit Mixers & Truck Hauling Concrete (3 yd. to & including 6 yds.); Trucks, side, end, bottom & articulated end dump (3 yards to and including 6 yds.); Warehouseperson (to include shipping & receiving); Wrecker & Tow Truck

GROUP 4: A-Frame; Burner, Cutter, & Welder; Service Greaser; Trucks, side, end, bottom & articulated end dump (over 6 yards to and including 12 yds.); Truck Mounted Hydro Seeder; Warehouseperson; Water Tank truck (0-8,000 gallons)

GROUP 5: Dumptor (over 6 yds.); Lowboy (50 tons & under); Self- loading Roll Off; Semi-Truck & Trailer; Tractor with Steer Trailer; Transit Mixers and Trucks Hauling Concrete (over 6 yds. to and including 10 yds.); Trucks, side, end, bottom and end dump (over 12 yds. to & including 20 yds.); Truck-Mounted Crane (with load bearing surface either mounted or pulled, up to 14 ton); Vacuum Truck (super sucker, guzzler, etc.)

GROUP 6: Flaherty Spreader Box Driver; Flowboys; Fork Lift (over 16,000 lbs.); Dumps (Semi-end); Mechanic (Field); Semi- end Dumps; Transfer Truck & Trailer; Transit Mixers & Trucks Hauling Concrete (over 10 yds. to & including 20 yds.); Trucks, side, end, bottom and articulated end dump (over 20 yds. to & including 40 yds.); Truck and Pup; Tournarocker, DWs & similar with 2 or more 4 wheel-power tractor with trailer, gallonage or yardage scale, whichever is greater Water Tank Truck (8,001- 14,000 gallons); Lowboy(over 50 tons)

GROUP 7: Oil Distributor Driver; Stringer Truck (cable oeprated trailer); Transit Mixers & Trucks Hauling Concrete (over 20 yds.); Truck, side, end, bottom end dump (over 40 yds. to & including 100 yds.); Truck Mounted Crane (with

load bearing surface either mounted or pulled (16 through 25 tons);

GROUP 8: Prime Movers and Stinger Truck; Trucks, side, end, bottom and articulated end dump (over 100 yds.); Helicopter Pilot Hauling Employees or Materials

Footnote A - Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in additon to the classification working in as follows:

LEVEL C-D: - $.50 PER HOUR (This is the lowest level of protection. This level may use an air purifying respirator or additional protective clothing.

LEVEL A-B: - $1.00 PER HOUR (Uses supplied air is conjunction with a chemical spash suit or fully encapsulated suit with a self-contained breathing apparatus.

Employees shall be paid Hazmat pay in increments of four(4) and eight(8) hours.

NOTE:
Trucks Pulling Equipment Trailers: shall receive $.15/hour over applicable truck rate

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

In the listing above, the "SU" designation means that rates listed under the identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

General Decision Number: OR080002 03/20/2009 OR2

Superseded General Decision Number: OR20070002

State: Oregon

Construction Types: Heavy (Heavy and Dredging) and Highway

Counties: Oregon Statewide.

DREDGING, HEAVY AND HIGHWAY CONSTRUCTION PROJECTS

Modification Number	Publication Date
0	02/08/2008
1	02/15/2008
2	03/07/2008
3	04/04/2008
4	04/18/2008
5	04/25/2008
6	06/06/2008
7	06/13/2008
8	06/20/2008
9	07/04/2008
10	09/19/2008
11	10/03/2008
12	11/07/2008
13	11/21/2008
14	01/02/2009
15	02/06/2009
16	03/13/2009
17	03/20/2009

BOIL0500-001 10/01/2007

	Rates	Fringes
BOILERMAKER	$ 31.56	19.01

BROR0001-006 06/01/2008

BAKER, BENTON (NORTH), CLACKAMAS, CLATSOP, COLUMBIA, GILLIAM, HARNEY, HOOD RIVER, LINCOLN (NORTH), LINN (NORTH), MALHEUR (NORTH), MARION, MORROW, MULTNOMAH, POLK, SHERMAN, TILLAMOOK, UMATILLA, UNION, WALLOWA, WASCO (NORTH), WASHINGTON AND YAMHILL COUNTIES

	Rates	Fringes
BRICKLAYER	$ 31.12	13.80

BROR0001-007 06/01/2008

BENTON (SOUTH), CROOK, DESCHUTES, GRANT, JACKSON, JEFFERSON, KLAMATH, LAKE, LANE, LINCOLN (SOUTH), LINN (SOUTH), MALHEUR (SOUTH), WASCO (SOUTH) AND WHEELER COUNTIES

	Rates	Fringes
BRICKLAYER	$ 29.90	13.45

CARP9001-001 06/01/2007

ZONE 1:

	Rates	Fringes
Carpenters:		
CARPENTERS	$ 27.56	13.30
DIVER STANDBY	$ 34.42	13.30
DIVERS TENDERS	$ 30.28	13.30
DIVERS	$ 68.84	13.30
MANIFOLD AND/OR DECOMPRESSION CHAMBER OPERATORS	$ 30.28	13.30
MILLWRIGHTS	$ 28.04	13.30
PILEDRIVERS	$ 28.04	13.30

DEPTH PAY:
50 to 100 feet $1.00 per foot over 50 feet
101 to 150 feet 1.50 per foot over 101 feet
151 to 200 feet 2.00 per foot over 151 feet

Zone Differential (Add to Zone 1 rates):
Zone 2 - $0.85
Zone 3 - 1.25
Zone 4 - 1.70
Zone 5 - 2.00
Zone 6 - 3.00

ZONE 1 - All jobs or projects located within 30 miles of the respective City Hall
ZONE 2 - More than 30 miles and less than 40 miles from the respective City Hall
ZONE 3 - More than 40 miles and less than 50 miles from the respective City Hall
ZONE 4 - More than 50 miles and less than 60 miles from the respective City Hall
ZONE 5 - More than 60 miles and less than 70 miles from the respective City Hall
ZONE 6 - More than 70 miles from the respective City Hall.

BASEPOINTS CITIES FOR CARPENTERS (EXCLUDING MILLWRIGHTS, PILEDRIVERS AND DIVERS)

ALBANY	ASTORIA	BAKER
BEND	BROOKINGS	BURNS
COOS BAY	CORVALLIS	EUGENE
GOLDENDALE	GRANTS PASS	HERMISTON
HOOD RIVER	KLAMATH FALLS	LAGRANDE
LAKEVIEW	LONGVIEW	MADRAS
MEDFORD	McMINNVILLE	NEWPORT
OREGON CITY	ONTARIO	PENDLETON
PORTLAND	PORT ORFORD	REEDSPORT
ROSEBURG	SALEM	ST. HELENS
THE DALLES	TILLAMOOK	VANCOUVER

BASEPOINTS FOR MILLWRIGHTS

EUGENE	NORTH BEND	LONGVIEW
PORTLAND	MEDFORD	THE DALLES
VANCOUVER		

BASEPOINTS FOR PILEDRIVERS AND DIVERS

ASTORIA	BEND	COOS BAY
EUGENE	KLAMATH FALLS	LONGVIEW
MEDFORD	NEWPORT	PORTLAND
ROSEBURG	SALEM	THE DALLES

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* ELEC0048-006 01/01/2009

CLACKAMAS, CLATSOP, COLUMBIA, HOOD RIVER, MULTNOMAH, TILLAMOOK, WASCO, WASHINGTON, SHERMAN AND YAMHILL (NORTH) COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 34.40	3%+$14.85
ELECTRICIAN	$ 35.65	3%+$15.35

HOURLY ZONE PAY:

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Portland, The Dalles, Hood River, Tillamook, Seaside and Astoria

Zone Pay:
Zone 1: 31-50 miles $1.50/hour
Zone 2: 51-70 miles $3.50/hour
Zone 3: 71-90 miles $5.50/hour
Zone 4: Beyond 90 miles $9.00/hour

*These are not miles driven. Zones are based on Delorrne Street Atlas USA 2006 plus.

ELEC0112-001 12/01/2008

BAKER, GILLIAM, GRANT, MORROW, UMATILLA, UNION, WALLOWA, AND WHEELER COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 35.39	3%+13.48
ELECTRICIAN	$ 33.70	3%+13.48

ELEC0125-001 02/01/2007

	Rates	Fringes
Line Construction:		
CABLE SPLICER	$ 42.09	3.875%+10.60
GROUNDMAN	$ 26.31	3.875%+8.60
LINE EQUIPMENT MAN	$ 32.32	3.875%+8.70
LINEMAN, POLE SPRAYER, HEAVY LINE EQUIPMENT MAN	$ 37.58	3.875%+10.60
POWDERMAN, JACKHAMMERMAN	$ 28.19	3.875%+8.60
TREE TRIMMER	$ 22.04	3%+8.79

ELEC0280-003 01/01/2009

BENTON, CROOK, DESCHUTES, JEFFERSON, LANE (EAST OF A LINE RUNNING NORTH AND SOUTH FROM THE NORTHEAST CORNER OF COOS COUNTY TO THE SOUTHEAST CORNER OF LINCOLN COUNTY), LINN, MARION, POLK AND YAMHILL (SOUTHERN HALF) COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 37.46	3%+14.08
ELECTRICIAN	$ 34.05	3%+14.08

ELEC0291-006 01/01/2009

MALHEUR COUNTY

	Rates	Fringes
CABLE SPLICER	$ 32.50	3%+$10.00
ELECTRICIAN	$ 29.54	3%+$10.00

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* ELEC0659-004 01/01/2009

DOUGLAS (EAST OF A LINE RUNNING NORTH AND SOUTH FROM THE NE CORNER OF COOS COUNTY TO THE SE CORNER OF LINCOLN COUNTY), HARNEY, JACKSON, JOSEPHINE, KLAMATH AND LAKE COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 29.78	3%+$13.05
ELECTRICIAN	$ 29.78	3%+$13.05

ZONE PAY: BASE POINTS ARE FROM THE DOWNTOWN POST OFFICE IN GRANTS PASS, KLAMATH FALLS, ROSEBURG AND MEDFORD.

ZONE 1:	0-20 MILES	$0.00 PER HOUR
ZONE 2:	21-30 MILES	$1.00 PER HOUR
ZONE 3:	31-40 MILES	$2.80 PER HOUR
ZONE 4:	41-50 MILES	$4.50 PER HOUR
ZONE 5:	51-60 MILES	$6.30 PER HOUR
ZONE 6:	BEYOND 60 MILES	$9.00 PER HOUR

*THESE ARE NOT MILES DRIVEN. ZONES ARE BASED ON DELORNE STREET ATLAS USA 5.0.

ELEC0932-004 07/01/2008

COOS, CURRY, LINCOLN, DOUGLAS AND LANE COUNTIES (AREA LYING WEST OF A LINE NORTH AND SOUTH FROM THE N.E. CORNER OF COOS COUNTY TO THE S.E. CORNER OF LINCOLN COUNTY)

	Rates	Fringes
ELECTRICIAN	$ 31.47	3%+12.30

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* ENGI0701-004 01/01/2009

	Rates	Fringes
Dredging:		
ZONE A		
ASSISTANT ENGINEER	$ 37.30	10.80
ASSISTANT MATE	$ 32.96	10.80
LEVERMAN, DIPPER, FLOATING CLAMSHELL	$ 39.88	10.80
LEVERMAN, HYDRAULIC	$ 39.88	10.80
TENDERMAN	$ 36.12	10.80
ZONE B		
ASSISTANT ENGINEER	$ 39.80	10.80
ASSISTANT MATE	$ 35.46	10.80
LEVERMAN, DIPPER FLOATING CLAMSHELL	$ 42.38	10.80
LEVERMAN, HYDRAULIC	$ 42.38	10.80
TENDERMAN	$ 38.62	10.80
ZONE C		
ASSISTANT ENGINEER	$ 41.30	10.80
ASSISTANT MATE	$ 36.96	10.80
LEVERMAN, DIPPER FLOATING CLAMSHELL	$ 43.88	10.80
LEVERMAN, HYDRAULIC	$ 43.88	10.80
TENDERMAN	$ 40.12	10.80

ZONE DESCRIPTION FOR DREDGING

ZONE A - All jobs or projects located within 30 road miles of Portland City Hall.
ZONE B - Over 30-60 road miles from Portland City Hall.

ZONE C - Over 60 road miles from Portland City Hall.

*All jobs or projects shall be computed from the city hall by the shortest route to the geographical center of the project.

ENGI0701-005 01/01/2009

ZONE 1:

POWER EQUIPMENT OPERATORS (See Footnote C)

	Rates	Fringes
Power equipment operators:		
GROUP 1	$ 36.22	10.90
GROUP 1A	$ 38.03	10.90
GROUP 1B	$ 39.84	10.90
GROUP 2	$ 34.65	10.90
GROUP 3	$ 33.69	10.90
GROUP 4	$ 32.78	10.90
GROUP 5	$ 31.71	10.90
GROUP 6	$ 28.82	10.90

Zone Differential (add to Zone 1 rates):
Zone 2 - $2.50
Zone 3 - $5.00

For the following metropolitan counties: MULTNOMAH; CLACKAMAS; MARION; WASHINGTON; YAMHILL; AND COLUMBIA; CLARK; AND COWLITZ COUNTY, WASHINGTON WITH MODIFICATIONS AS INDICATED:

All jobs or projects located in Multnomah, Clackamas and Marion Counties, West of the western boundary of Mt. Hood National Forest and West of Mile Post 30 on Interstate 84 and West of Mile Post 30 on State Highway 26 and West of Mile Post 30 on Highway 22 and all jobs or projects located in Yamhill County, Washington County and Columbia County and all jobs or projects located in Clark & Cowlitz County, Washington except that portion of Cowlitz County in the Mt. St. Helens "Blast Zone" shall receive Zone I pay for all classifications.

All jobs or projects located in the area outside the identified boundary above, but less than 50 miles from the Portland City Hall shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the Portland City Hall, but outside the identified border above, shall receive Zone III pay for all classifications.

For the following cities: ALBANY; BEND; COOS BAY; EUGENE; GRANTS PASS; KLAMATH FALLS; MEDFORD; ROSEBURG

All jobs or projects located within 30 miles of the respective city hall of the above mentioned cities shall receive Zone I pay for all classifications.

All jobs or projects located more than 30 miles and less than 50 miles from the respective city hall of the above mentioned cities shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the respective city hall of the above mentioned cities shall receive Zone III pay for all classifications.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: CONCRETE: Batch Plant and/or Wet Mix Operator, three units or more; CRANE: Helicopter Operator, when used in erecting work; Whirley Operator, 90 ton and over; LATTICE BOOM CRANE: Operator 200 tons through 299 tons, and/or over 200 feet boom; HYDRAULIC CRANE: Hydraulic Crane Operator 90 tons through 199 tons with luffing or tower attachments; FLOATING EQUIPMENT: Floating Crane, 150 ton but less than 250 ton

GROUP 1A: HYDRAULIC CRANE: Hydraulic Operator, 200 tons and over (with luffing or tower attachment); LATTICE BOOM CRANE: Operator, 200 tons through 299 tons, with over 200 feet boom; FLOATING EQUIPMENT: Floating Crane 250 ton and over

GROUP 1B: LATTICE BOOM CRANE: Operator, 300 tons through 399 tons with over 200 feet boom; Operator 400 tons and over; FLOATING EQUIPMENT: Floating Crane 350 ton and over

GROUP 2: ASPHALT: Asphalt Plant Operator (any type); Roto Mill, pavement profiler, operator, 6 foot lateral cut and over; BLADE: Auto Grader or "Trimmer" (Grade Checker required); Blade Operator, Robotic; BULLDOZERS: Bulldozer operator over 120,000 lbs and above; Bulldozer operator, twin engine; Bulldozer Operator, tandem, quadnine, D10, D11, and similar type; Bulldozere Robotic Equipment (any type; CONCRETE: Batch Plant and/or Wet Mix Operator, one and two drum; Automatic Concrete Slip Form Paver Operator; Concrete Canal Line Operator; Concrete Profiler, Diamond Head; CRANE: Cableway Operator, 25 tons and over; HYDRAULIC CRANE: Hydraulic crane operator 90 tons through 199 tons (without luffing or tower attachment); TOWER/WHIRLEY OPERATOR: Tower Crane Operator; Whirley Operator, under 90 tons; LATTICE BOOM CRANE: 90 through 199 tons and/or 150 to 200 feet boom; CRUSHER: Crusher Plant Operator; FLOATING EQUIPMENT: Floating Clamshell, etc. operator, 3 cu. yds. and over; Floating Crane (derrick barge) Operator, 30 tons but less than 150 tons; LOADERS: Loader operator, 120,000 lbs. and above; REMOTE CONTROL: Remote controlled earth-moving equipment; RUBBER-TIRED SCRAPERS: Rubber-tired scraper operator, with tandem scrapers, multi-engine; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER OPERATOR: Shovel, Dragline, Clamshell, operator 5 cu. yds and over; TRENCHING MACHINE: Wheel Excavator, under 750 cu. yds. per hour (Grade Oiler required); Canal Trimmer (Grade Oiler required); Wheel Excavator, over 750 cu. yds. per hour; Band Wagon (in conjunction with wheel excavator); UNDERWATER EQUIPMENT: Underwater Equipment Operator, remote or otherwise; HYDRAULIC HOES-EXCAVATOR: Excavator over 130,000 lbs.; HYDRAULIC CRANE: Hydraulic crane operator, 50 tons through 89 tons (with luffing or tower attachment);

GROUP 3: BULLDOZERS: Bulldozer operator, over 70,000 lbs. up to and including 120,000 lbs.; HYDRAULIC CRANE: Hydraulic crane operator, 50 tons through 89 tons (without luffing or tower attachment); LATTICE BOOM CRANES: Lattice Boom Crane-50 through 89 tons (and less than 150 feet boom); FORKLIFT: Rock Hound Operator; HYDRAULIC HOES-EXCAVATOR: excavator over 80,000 lbs. through 130,000 lbs.; LOADERS: Loader operator 60,000 and less than 120,000; RUBBER-TIRED SCRAPERS: Scraper Operator, with tandem scrapers;

Self-loading, paddle wheel, auger type, finish and/or 2 or more units; SHOVEL, DRAGLINE, CLAMSHELL,SKOOPER OPERATOR: Shovel, Dragline, Clamshell operators 3 cu. yds. but less than 5 cu yds.

GROUP 4: ASPHALT: Screed Operator; Asphalt Paver operator (screeman required); BLADE: Blade operator; Blade operator, finish; Blade operator, externally controlled by electronic, mechanical hydraulic means; Blade operator, multi-engine; BULLDOZERS: Bulldozer Operator over 20,000 lbs and more than 100 horse up to 70,000 lbs; Drill Cat Operator; Side-boom Operator; Cable-Plow Operator (any type); CLEARING: Log Skidders; Chippers; Incinerator; Stump Splitter (loader mounted or similar type); Stump Grinder (loader mounted or similar type; Tub Grinder; Land Clearing Machine (Track mounted forestry mowing & grinding machine); Hydro Axe (loader mounted or similar type); COMPACTORS SELF-PROPELLED: Compactor Operator, with blade; Compactor Operator, multi-engine; Compactor Operator, robotic; CONCRETE: Mixer Mobile Operator; Screed Operator; Concrete Cooling Machine Operator; Concrete Paving Road Mixer; Concrete Breaker; Reinforced Tank Banding Machine (K-17 or similar types); Laser Screed; CRANE: Chicago boom and similar types; Lift Slab Machine Operator; Boom type lifting device, 5 ton capacity or less; Hoist Operator, two (2) drum; Hoist Operator, three (3) or more drums; Derrick Operator, under 100 ton; Hoist Operator, stiff leg, guy derrick or similar type, 50 ton and over; Cableway Operator up to twenty (25) ton; Bridge Crane Operator, Locomotive, Gantry, Overhead; Cherry Picker or similar type crane hoist five (5) ton capacity or less; Hydraulic Crane Operator, under 50 tons; LATTICE BOOM CRANE OPERATOR: Lattice Boom Crane Operator, under 50 tons; CRUSHER: Generator Operator; Diesel- Electric Engineer; Grizzley Operator; DRILLING: Drill Doctor; Boring Machine Operator; Driller-Percussion, Diamond, Core, Cable, Rotary and similar type; Cat Drill (John Henry); Directional Drill Operator over 20,000 lbs pullback; FLOATING EQUIPMENT: Diesel-electric Engineer; Jack Operator, elevating barges, Barge Operator, self-unloading; Piledriver Operator (not crane type) (Deckhand required); Floating Clamshelll, etc. Operator, under 3 cu. yds. (Fireman or Diesel-Electric Engineer required); Floating Crane (derrick barge) Operator, less than 30 tons; GENERATORS: Generator Operator; Diesel-electric Engineer; GUARDRAIL EQUIPMENT: Guardrail Punch Operator (all types); Guardrail Auger Operator (all types); Combination Guardrail machines, i.e., punch auger, etc.; HEATING PLANT: Surface Heater and Planer Operator; HYDRAULIC HOES EXCAVATOR: Robotic Hydraulic backhoe operator, track and wheel type up to and including 20,0000 lbs. with any or all attachments; Excavator Operator over 20,000 lbs through 80,000 lbs.; LOADERS: Belt Loaders, Kolman and Ko Cal types; Loaders Operator, front end and overhead, 25,000 lbs and less than 60,000 lbs; Elevating Grader Operator by Tractor operator, Sierra, Euclid or similar types; PILEDRIVERS: Hammer Operator; Piledriver Operator (not crane type); PIPELINE, SEWER WATER: Pipe Cleaning Machine Operator; Pipe Doping Machine Operator; Pipe Bending Machine Operator; Pipe Wrapping Machine Operator; Boring Machine Operator; Back Filling Machine Operator; REMOTE CONTROL: Concrete Cleaning Decontamination

Machine Operator; Ultra High Pressure Water Jet Cutting Tool System Operator/Mechanic; Vacuum Blasting Machine Operator/mechanic; REPAIRMEN, HEAVY DUTY: Diesel Electric Engineer (Plant or Floating; Bolt Threading Machine operator; Drill Doctor (Bit Grinder); H.D. Mechanic; Machine Tool Operator; RUBBER-TIRED SCRAPERS: Rubber-tired Scraper Operator, single engine, single scraper; Self-loading, paddle wheel, auger type under 15 cu. yds.; Rubber-tired Scraper Operator, twin engine; Rubber-tired Scraper Operator, with push-pull attachments; Self Loading, paddle wheel, auger type 15 cu. yds. and over, single engine; Water pulls, water wagons; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER OPERATOR: Diesel Electric Engineer; Stationary Drag Scraper Operator; Shovel, Dragline, Clamshell, Operator under 3 cy yds.; Grade-all Operator; SURFACE (BASE) MATERIAL: Blade mounted spreaders, Ulrich and similar types; TRACTOR-RUBBERED TIRED: Tractor operator, rubber-tired, over 50 hp flywheel; Tractor operator, with boom attachment; Rubber-tired dozers and pushers (Michigan, Cat, Hough type); Skip Loader, Drag Box; TRENCHING MACHINE: Trenching Machine operator, digging capacity over 3 ft depth; Back filling machine operator; TUNNEL: Mucking machine operator

GROUP 5: ASPHALT: Extrusion Machine Operator; Roller Operator (any asphalt mix); Asphalt Burner and Reconditioner Operator (any type); Roto-Mill, pavement profiler, ground man; BULLDOZERS: Bulldozer operator, 20,000 lbs. or less or 100 horse or less; COMPRESSORS: Compressor Operator (any power), over 1,250 cu. ft. total capacity; COMPACTORS: Compactor Operator, including vibratory; Wagner Pactor Operator or similar type (without blade); CONCRETE: Combination mixer and Compressor Operator, gunite work; Concrete Batch Plant Quality Control Operator; Beltcrete Operator; Pumpcrete Operator (any type); Pavement Grinder and/or Grooving Machine Operator (riding type); Cement Pump Operator, Fuller-Kenyon and similar; Concrete Pump Operator; Grouting Machine Operator; Concrete mixer operator, single drum, under (5) bag capacity; Cast in place pipe laying machine; maginnis Internal Full slab vibrator operator; Concrete finishing mahine operator, Clary, Johnson, Bidwell, Burgess Bridge deck or similar type; Curb Machine Operator, mechanical Berm, Curb and/or Curb and Gutter; Concrete Joint Machine Operator; Concrete Planer Operator; Tower Mobile Operator; Power Jumbo Operator setting slip forms in tunnels; Slip Form Pumps, power driven hydraulic lifting device for concrete forms; Concrete Paving Machine Operator; Concrete Finishing Machine Operator; Concrete Spreader Operator; CRANE: Helicopter Hoist Operator; Hoist Operator, single drum; Elevator Operator; A-frame Truck Operator, Double drum; Boom Truck Operator; HYDRAULIC CRANE OPERATOR: Hydraulic Boom Truck, Pittman; DRILLING: Churm Drill and Earth Boring Machine Operator; Directional Drill Operator over 20,000 lbs pullback; FLOATING EQUIPMENT: Fireman; FORKLIFT: Lull Hi-Lift Operator or similar type; Fork Lift, over 5 ton and/or robotic; HYDRAULIC HOES EXCAVATORS: Hydraulic Backhoe Operator, wheel type (Ford, John Deere, Case type); Hydraulic Backhoe Operator track type up to and including 20,000 lbs.; LOADERS: Loaders, rubber-tired type, less than 25,000 lbs; Elevating Grader Operator, Tractor

Towed requiring Operator or Grader; Elevating loader oeprator, Athey and similar types; OILERS: Service Oiler (Greaser); PIPELINE-SEWER WATER: Hydra hammer or similar types; Pavement Breaker Operator; PUMPS: Pump Operator, more than 5 (any size); Pot Rammer Operator; RAILROAD EQUIPMENT: Locomotive Operator, under 40 tons; Ballast Regulator Operator; Ballast Tamper Multi-Purpose Operator; Track Liner Operator; Tie Spacer Operator; Shuttle Car Operator; Locomotive Operator, 40 tons and over; MATERIAL HAULRS: Cat wagon DJB's Volvo similar types; Conveyored material hauler; SURFACING (BASE) MATERIAL: Rock Spreaders, self-propelled; Pulva-mixer or similar types; Chip Spreading machine operator; Lime spreading operator, construction job siter; SWEEPERS: Sweeper operator (Wayne type) self-propelled construction job site; TRACTOR-RUBBER TIRED: Tractor operator,
rubber-tired, 50 hp flywheel and under; Trenching machine operator, maximum digging capacity 3 ft depth; TUNNEL: Dinkey

GROUP 6: ASPHALT: Plant Oiler; Plant Fireman; Pugmill Operator (any type); Truck mounted asphalt spreader, with screed; COMPRESSORS: Compressor Operator (any power), under 1,250 cu. ft. total capacity; CONCRETE: Plant Oiler, Assistant Conveyor Operator; Conveyor Operator; Mixer Box Operator (C.T.B., dry batch, etc.); Cement Hog Operator; Concrete Saw Operator; Concrete Curing Machine Operator (riding type); Wire Mat or Brooming Machine Operator; CRANE: Oiler; Fireman, all equipment; Truck Crane Oiler Driver; A-frame Truck Operator, single drum; Tugger or Coffin Type Hoist Operator; CRUSHER: Crusher Oiler; Crusher Feederman; CRUSHER: Crusher oiler; Crusher feederman; DRILLING: Drill Tender; Auger Oiler; FLOATING EQUIPMENT: Deckhand; Boatman; FORKLIFT: Self-propelled Scaffolding Operator, construction job site (excluding working platform); Fork Lift or Lumber Stacker Operator, construction job site; Ross Carrier Operator, construction job site; GUARDRAIL EQUIPMENT: Oiler; Auger Oiler; Oiler, combination guardrail machines; Guardrail Punch Oiler; HEATING PLANT: Temporary Heating
Plant Operator; LOADERS: Bobcat, skid steer (less than 1 cu yd.); Bucket Elevator Loader Operator, Barber Greene and similar types; OILERS: Oiler; Guardrail Punch Oiler; Truck Crane Oiler- Driver; Auger Oiler; Grade Oiler, required to check grade; Grade Checker; PIPELINE-SEWER WATER: Tar Pot Fireman; Tar Pot Fireman (power agitated); PUMPS: Pump Operator (any power); Hydrostatic Pump Operator; RAILROAD EQUIPMENT: Brakeman; Oiler; Switchman; Motorman; Ballast Jack Tamper Operator; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER, ETC. OPERATOR: Oiler, Grade Oiler (required to check grade); Grade Checker; Fireman; SWEEPER: Broom operator, self propelled, construction job site; SURFACING (BASE) MATERIAL: Roller Operator, grading of base rock (not asphalt); Tamping Machine operator, mechanical, self-propelled; Hydrographic Seeder Machine Operator;
TRENCHING MACHINE: Oiler; Grade Oiler;
TUNNEL: Conveyor operator; Air filtration equipment operator

FOOTNOTE C:
HANDLING OF HAZARDOUS WAST MATERIALS - Personnel in all craft classifications subject to working inside a federally designated Hazardous Waste perimeter shall

be eligible for compensation in accordance with the following group schedule relative to the level of Hazardous Waste as outline in the specific Hazardous Waste Project Site Safety Plan:

H-1 Base Wage Rate when on a hazardous waste site when not outfitted with protective clothing.
H-2 Class "C" Suit - Basic hourly wage rate plus $1.00 per hour, fringes plus $0.15.
H-3 Class "B" Suit - Basic hourly wage rate plus $1.50 per hour, fringes plus $0.15.
H-4 Class "A" Suit -Basic hourly wage rate plus $2.00 per hour, fringes plus $0.15.

IRON0029-004 07/01/2008

	Rates	Fringes
IRONWORKER	$ 31.65	17.87

LABO0001-006 06/01/2007

	Rates	Fringes
Mason Tender/Hod Carrier Tenders to Bricklayers, Tile Setters, Marble Setters and Terrazzo Workers, Topping for Cement Finishers and Mortar Mixers	$ 25.14	11.07

LABO0003-003 06/01/2007

ZONE 1:

LABORERS (SEE FOOTNOTE C)

	Rates	Fringes
Laborers:		
GROUP 1	$ 23.12	11.07
GROUP 2	$ 23.72	11.07
GROUP 3	$ 24.16	11.07
GROUP 4	$ 24.54	11.07
GROUP 5	$ 20.12	11.07

Zone Differential (Add to Zone 1 rates):
Zone 2 - $0.65
Zone 3 - 1.15
Zone 4 - 1.70
Zone 5 - 2.75

ZONE 1 - All jobs or projects located within 30 miles of the respective City Hall
ZONE 2 - More than 30 miles and less than 40 miles from the respective City Hall
ZONE 3 - More than 40 miles and less than 50 miles from the respective City Hall
ZONE 4 - More than 50 miles and less than 80 miles from the respective City Hall
ZONE 5 - More than 80 miles from the respective City Hall.

BASEPOINTS:

ALBANY	ASTORIA	BAKER CITY
BEND	BURNS	COOS BAY
EUGENE	GRANTS PASS	HERMISTON
KLAMATH FALLS	MEDFORD	PENDLETON
PORTLAND	ROSEBURG	SALEM

THE DALLES

LABORER CLASSIFICATIONS

GROUP 1: Asphalt Spreaders; Asphalt Plant Laborers; Batch Weighman; Broomers; Brush Burners and Cutters; Car and Truck Loaders; Carpenter Tender; Change-House Man or Dry Shack Man; Choke Setter; Cleanup Laborers; Curing, Concrete; Demolition, Wrecking, and Moving Laborers; Dumpers, road oiling crew; Dumpmen (for grading crew); Elevator Feeders; Fine Graders; Fence Builders; Form Strippers (not swinging stages); Guard Rail, Median Rail, Guide Post; Reference Post, Right-of-way Marker; Hazardous Waste Laborers; Landscaping or Planting Laborer; Leverman or Aggregate Spreader (Flaherty and similar types); Loading Spotters; Material Yard Man (including electrical); Pittsburgh Chipper Operator or similar types; Railroad Track Laborers; Ribbon Setters (including steel forms); Rip Rap Man (hand placed); Road Pump Tender; Sewer Labor; Signalman; Skipman; Slopers; Spraymen; Stake Chaser; Stockpiler; Tie Back Shoring; Timber Faller and Bucker (hand labor); Toolroom Man (at jobsite); Weight-Man-Crusher (aggregate when used); General Laborer

GROUP 2: Applicator (including Pot Tender for same), applying protective material by hand or nozzle on utility lines or storage tanks on project; Brush Cutters (power saw); Burners; Choker Splicer; Clary Power Spreader and similar types; Clean-up Nozzleman-Green-Cutter (concrete, rock, etc.); Concrete Laborer; Concrete Power Buggyman; Crusher Feeder; Demolition and Wrecking Charred Materials; Dropping and Wrapping Pipe; Gunite Nozzleman Tender; Gunite or Sand Blasting Pot Tender; Handlers or Mixers of all materials of an irritating nature (including cement and lime); Post Hole Diggers, Air, Gas or Electric; Sand Blasting (wet); Tampers; Tool Operators (includes but not limited to: Dry Pack Machine, Jackhammer, Chipping Guns, Paving Breakers)

GROUP 3: Asbestos removal (structural removal only); Bit Grinder; Concrete Saw Operator; Drill Doctor; Drill Operators (Air Tracks, Cat Drills, Wagon Drills, Rubber-mounted Drills, and other similar types, including at crusher plants); Manhole Builder; Nippers and Timbermen; Power Saw Operators (bucking and falling); Sand Blasting (dry); Sewer Timberman; Track Liners, Anchor Machines, Ballast Regulators, Multiple Tampers, Power Jacks; Tugger Operator; Vibrator-all types; Vibrating Screed; Water Blaster

GROUP 4: Asphalt Rakers; Concrete Nozzleman; Grade Checker; Gunite Nozzleman; High Scalers, Strippers and Drillers (covers work in swinging stages, chairs or belts, under extreme conditions unusual to normal drilling, blasting, barring-down, or sloping and stripping); Pipe Layers-All types; Powdermen; Pumpcrete Nozzlemen; Loop Installation; Tunnel-miner; Tunner- powderman; Motorman-Dinky Locomotive; Shield Operator; Tunnel Bullgang (above ground); Tunnel Chuck Tenders; Tunnel-Muckers, Brakemen, Concrete Crew, Bull Gang (underground)

GROUP 5: Traffic Flaggers

FOOTNOTE C:

HANDLING OF HAZARDOUS WAST MATERIALS - Personnel in all craft classifications subject to working inside a federally designated Hazardous Waste perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of Hazardous Waste as outline in the specific Hazardous Waste Project Site Safety Plan:

H-1 Base Wage Rate when on a hazardous waste site when not outfitted with protective clothing.
H-2 Class "C" Suit - Basic hourly wage rate plus $1.00 per hour, fringes plus $0.15.
H-3 Class "B" Suit - Basic hourly wage rate plus $1.50 per hour, fringes plus $0.15.
H-4 Class "A" Suit -Basic hourly wage rate plus $2.00 per hour, fringes plus $0.15.

PAIN0055-001 10/01/2008

	Rates	Fringes
Painters: Commercial		
BAKER, BENTON, CLATSOP, CROOK, DESCHUTES, GRANT, GILLIAM, HARNEY, JEFFERSON, LAKE, LANE, LINN, LINCOLN, MALHEUR, MARION, POLK, TILLAMOOK, SHERMAN, UNION, WHEELER AND YAMHILL COUNTIES		
High work-All work 60 feet or higher	$ 19.44	7.14
Painters	$ 18.69	7.14
CLACKAMAS, COLUMBIA, HOOD RIVER, MULTNOMAH, MORROW, UMATILLA, WALLOWA, WASCO AND WASHINTON COUNTIES		
High work-All work 60 feet or higher	$ 20.44	7.14
Painters	$ 19.69	7.14
JACKSON AND KLAMATH COUNTIES		
High Work-All Work 60 feet or higher	$ 17.44	7.14
Painters	$ 16.69	7.14
Painters: Industrial		
BAKER, BENTON, CLATSOP, CROOK, DESCHUTES, GRANT, GILLIAM, HARNEY, JEFFERSON, LAKE, LANE, LINN, LINCOLN, MALHEUR, MARION, POLK, TILLAMOOK, SHERMAN, UNION, WHEELER AND YAMHILL COUNTIES		
Brush and Roller	$ 19.29	7.14
High work - All work 60 feet or higher	$ 20.04	7.14
Spray and Sandblasting	$ 19.89	7.14
CLACKAMAS, COLUMBIA, HOOD RIVER, MULTNOMAH, MORROW,		

UMATILLA, WALLOWA, WASCO
AND WASHINTON COUNTIES
Brush and Roller.....$ 20.29 7.14
High work-All work 60
feet or higher.....$ 21.04 7.14
Spray & Sandblasting.....$ 20.89 7.14
JACKSON AND KLAMATH
COUNTIES
Brush & Roller.....$ 17.29 7.14
High work-All work 60
feet or higher.....$ 18.04 7.14
Spray, Sandblasting.....$ 17.89 7.14

PAIN0055-005 06/01/2007

	Rates	Fringes
Painters:		
HIGHWAY & PARKING LOT STRIPER	$ 28.27	8.27

PLAS0555-001 06/01/2008

ZONE 1:

	Rates	Fringes
Cement Masons: (ZONE 1)		
CEMENT MASONS DOING BOTH COMPOSITION/POWER MACHINERY AND SUSPENDED/HANGING SCAFFOLD	$ 27.87	14.83
CEMENT MASONS ON SUSPENDED, SWINGING AND/OR HANGING SCAFFOLD	$ 27.34	14.83
CEMENT MASONS	$ 26.80	14.83
COMPOSITION WORKERS AND POWER MACHINERY OPERATORS	$ 27.34	14.83

Zone Differential (Add To Zone 1 Rates):
Zone 2 - $0.65
Zone 3 - 1.15
Zone 4 - 1.70
Zone 5 - 3.00

BASE POINTS: BEND, CORVALLIS, EUGENE, MEDFORD, PORTLAND, SALEM, THE DALLES, VANCOUVER

ZONE 1: Projects within 30 miles of the respective city hall
ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.
ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.
ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.
ZONE 5: More than 80 miles from the respective city hall

PLUM0290-005 10/01/2008

BENTON, CLACKAMAS, CLATSOP, COLUMBIA, COOS, CROOK, CURRY, DESCHUTES, DOUGLAS, GILLIAM, GRANT AND HARNEY (those portions which lies north and west of a north-south line drawn from the town of John Day to a point five miles east of the town of Burns and three miles south of Burns thence on an airline through the town of Wagontire west to the County lines), HOOD RIVER, JACKSON, JEFFERSON, JOSEPHINE, KLAMATH, LAKE, LANE, LINCOLN, LINN, MARION, MULTNOMAH, POLK, SHERMAN, TILLAMOOK,

WASCO, WASHINGTON, WHEELER AND YAMHILL COUNTIES

	Rates	Fringes
Plumbers and Pipefitters	$ 35.69	16.99

PLUM0296-004 01/01/2009

BAKER, HARNEY (Remainder of County) AND MALHEUR COUNTIES

	Rates	Fringes
Plumbers and Pipefitters	$ 26.70	10.65

PLUM0598-008 06/01/2008

GRANT (Remainder of County), MORROW, UMATILLA, UNION AND WALLOWA COUNTIES

	Rates	Fringes
Plumbers and Pipefitters	$ 38.64	19.10

SUOR1991-003 04/01/1991

	Rates	Fringes
Timber Sales Roads:		
LABORERS	$ 8.35	4.30
OPERATING ENGINEERS	$ 10.37	4.15
POWER SAW, DRILLER, POWDERMAN	$ 9.12	4.30
TEAMSTERS	$ 9.74	3.74

TEAM0037-004 06/01/2008

ZONE 1:

TRUCK DRIVERS (See Footnote C):

	Rates	Fringes
Truck drivers:		
GROUP 1	$ 26.40	11.91
GROUP 2	$ 26.52	11.91
GROUP 3	$ 26.65	11.91
GROUP 4	$ 26.91	11.91
GROUP 5	$ 27.13	11.91
GROUP 6	$ 27.29	11.91
GROUP 7	$ 27.49	11.91

Zone Differential (add to Zone 1 rates):
Zone 2 - $0.65
Zone 3 - 1.15
Zone 4 - 1.70
Zone 5 - 2.75

Zone 1 - All jobs or projects located within 30 miles of the respective City Hall
Zone 2 - More than 30 miles and less than 40 miles from the respective City Hall
Zone 3 - More than 40 miles and less than 50 miles from the respective City Hall
Zone 4 - More than 50 miles and less than 80 miles from the respective City Hall
Zone 5 - More than 80 miles from the respective City Hall

BASEPOINTS:
ALBANY ASTORIA BAKER

BEND	BINGEN	BROOKINGS
BURNS	COOS BAY	CORVALLIS
EUGENE	GOLDENDALE	GRANTS PASS
HERMISTON	HOOD RIVER	KLAMATH FALLS
LAGRANDE	LAKEVIEW	LONGVIEW
MADRAS	MEDFORD	MCMINNVILLE
OREGON CITY	NEWPORT	ONTARIO
PENDLETON	PORTLAND	PORT ORFORD
REEDSPORT	ROSEBURG	SALEM
THE DALLES	TILLAMOOK	VANCOUVER

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: A-frame or hydra-lift truck w/load bearing surface; Articulated dump truck; Battery rebuilders; Bus or manhaul driver; Concrete buggies (power operated); Concrete pump truck; Dump trucks, side, end and bottom dumps, including semi-trucks and trains or combinations thereof: up to and including 10 cu. yds.; Lift jitneys, fork lifts (all sizes in loading, unloading and transporting material on job site); Loader and/or leverman on concrete dry batch plant (manually operated); Lubrication man, fuel truck driver, tireman, wash rack, steam cleaner or combination; Pilot car; Pickup truck; Slurry truck driver or leverman; Solo flat bed and misc. body truck, 0-10 tons; Team drivers; Tireman; Transit mix and wet or dry mix trucks: 5 cu yds. and under; Water wagons (rated capacity) up to 3,000 gallons

GROUP 2: Boom truck/hydra-lift or retracting crane; Challenger; Dumpsters or similar equipment-all sizes; Dump trucks/articulated dumps 6 cu to 10 cu.; Flaherty spreader driver or leverman; Low bed equipment, flat bed semi-truck and trailer or doubles transporting equipment or wet or dry materials; Lumber carrier, driver-straddle carrier (used in loading, unloading and transporting of materials on job site); Oil distributor driver or leverman; Transit mix and wet or dry mix trucks: over 5 cy yds and including 7 cu. yds; Vacuum trucks; Water Wagons (rated capacity) over 3,000 to 5,000 gallons

GROUP 3: Ammonia nitrate distributor driver; Dump trucks, side, end and bottom dumps, including semi-trucks and trains or combinations thereof: over 10 cu. yds. and including 30 cu. yds., includes articulated dump trucks; Self-Propelled street sweeper; Transit mix and wet or dry mix trucks, over 7 cu. yds. and including 11 cu. yds.; truck mechanic-Welder-Body repairman; Utility and clean-up truck; Water wagons (rated capacity) 5,000 to 10,000 gallons.

GROUP 4: Asphalt Bruner; Dump trucks, side, end and bottom dumps, including semi-trucks and trains or combinations thereof: over 30 cu. yds. and including 50 cu. yds. includes articulated dump trucks; Fire guard; Transit Mix and Wet or Dry Mix Trucks, over 11 cu. yds. and including 15 cu. yds.; Water Wagon (rated capacity) over 10,000 gallons to 15,000 gallons

GROUP 5: Composite Crewman; Dump trucks, side, end and bottom dumps, including semi-trucks and trains or combinations thereof: over 50 cu. yds. and including 60 cu. yds.,

includes articulated dump trucks

GROUP 6: Bulk cement spreader w/o auger; Dry Pre-Batch concrete mix trucks; Dump trucks, side, end and bottom dumps, including semi-trucks and trains of combinations thereof: over 60 cu. yds. and including 80 cu. yds. and includes articulated dump trucks; Skid truck

GROUP 7: Dump trucks, side, end and bottom dumps, including semi-trucks and trains or combinations thereof: over 80 cu. yds. and including 100 cu. yds. includes articulated dump trucks; Industrial lift truck (mechanical tailgate)

FOOTNOTE C:

HANDLING OF HAZARDOUS WAST MATERIALS - (LABORERS, POWER EQUIPMENT OPERATORS, AND TRUCK DRIVERS): Personnel in all craft classifications subject to working inside a federally designated Hazardous Waste perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of Hazardous Waste as outline in the specific Hazardous Waste Project Site Safety Plan:

H-1 Base Wage Rate when on a hazardous waste site when not outfitted with protective clothing.
H-2 Class "C" Suit - Basic hourly wage rate plus $1.00 per hour, fringes plus $0.15.
H-3 Class "B" Suit - Basic hourly wage rate plus $1.50 per hour, fringes plus $0.15.
H-4 Class "A" Suit -Basic hourly wage rate plus $2.00 per hour, fringes plus $0.15.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

In the listing above, the "SU" designation means that rates listed under the identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which

the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

BONNEVILLE POWER ADMINISTRATION

SUPPLEMENTAL TECHNICAL SPECIFICATION

FOR THE CONSTRUCTION
OF

MCNARY - JOHN DAY NO.1, 500 KV TRANSMISSION LINE

W.O. - 231815

MARCH 23, 2009

TABLE OF CONTENTS

INTRODUCTION ..... **I**
I. TECHNICAL SPECIFICATIONS I

SECTION 1 - SUMMARY OF WORK **1**

PART 01 - CHAPTER 01 - PROJECT REQUIREMENTS **1**
01.01.01 SCOPE 1
01.01.02 CONTRACTOR WORK 2
01.01.03 BPA WORK 9
01.01.04 WORK SEQUENCE 9
01.01.05 COORDINATION 10
01.01.06 CAUTION 10
01.01.07 PERMITS 12
01.01.08 GEOTECHNICAL REPORT 13
01.01.09 CONTRACTOR MOBILE COMMUNICATIONS SYSTEM 13
01.01.11 CONTRACT RELEASE DOCUMENTS 13

SECTION 2 - ADDITIONAL SUPPLEMENTAL SPECIFICATIONS **15**

PART 01 - CHAPTER 02 – MATERIAL PROCEDURES **15**
01.02.03 SUBMITTALS FOR CONTRACTOR-FURNISHED MATERIAL 15
01.02.04 BPA-FURNISHED PROPERTY 15
01.02.05 MATERIAL YARDS 16

PART 01 - CHAPTER 03 – RIGHTS-OF-WAY AND PROJECT ACCESS **16**
01.03.04 TRACT AVAILABILITY AND ENTRY RESTRICTIONS 16

PART 01 - CHAPTER 04 – ADDITIONAL REQUIREMENTS **16**
01.04.03 WORK AREAS 16
01.04.05 COTR FIELD OFFICE 17
01.04.07 BLASTING 17

PART 01 - CHAPTER 05 – OUTAGES, CLEARANCES, AND HOLD ORDERS **17**
01.05.04 OUTAGE SCHEDULE 17
01.05.06 PROCEDURES FOR REQUESTING OUTAGES AND HOLD ORDERS 17

PART 02 - CHAPTER 01 - GENERAL ENVIRONMENTAL REQUIREMENTS **17**
02.01.03 ENVIRONMENTAL REPRESENTATIVE 17
02.01.09 CULTURAL MONITORING 18
02.01.10 VEGETATION MANAGEMENT 18

PART 03 - CHAPTER 01 - REMOVAL OF TRANSMISSION LINE FACILITIES **20**
03.01.06 RETURN OF MATERIALS RETAINED BY BPA 20
03.01.07 MATERIALS TRANSPORTED TO OR PICKED UP BY A THIRD PARTY 20
03.01.09 REMOVAL OF CONDUCTOR AND OVERHEAD GROUNDWIRE 20
03.01.12 REMOVAL OF STEEL TOWERS 20
03.01.13 REMOVAL OF INSULATORS 21

PART 04 - CHAPTER 01 - CLEARING **21**

04.01.01 SCOPE 21

PART 04 - CHAPTER 02 - FENCES, GATES, AND CATTLE GUARDS 22
04.02.04 MATERIALS 22

PART 05 - CHAPTER 02 - CLEARING, EARTHWORK, BASE, AND SURFACING 22
05.02.04 MATERIALS 22
05.02.05 LOCATIONS OF NEW ROADS 23
05.02.11 SUBGRADE 23
05.02.12 ROAD SURFACING 23
05.02.13 IMPROVEMENT AND RECONSTRUCTION OF EXISTING ACCESS ROADS. 23

PART 05 - CHAPTER 03 - ACCESS ROAD DRAINAGE 23
05.03.04 DRAINAGE STRUCTURES REQUIRING PERMITS 23
05.03.06 MATERIALS 24
05.03.14 WATER BARS 24

PART 07 - CHAPTER 01 - SITE PREPARATION AND EXCAVATION 24
07.01.04 ADDITIONAL FOUNDATION TYPES 24

PART 10 - CHAPTER 01 - CONDUCTOR AND OVERHEAD GROUND WIRE CABLES26
10.01.05 BPA-FURNISHED MATERIALS 26

PART 12 - CHAPTER 01 - CONDUCTOR AND OVERHEAD GROUND WIRE CABLES26
12.01.25 SPLICING OF FIBERS 26
12.01.26 FINAL TESTING OF FIBER OPTIC CABLE BY SPLICING CONTRACTOR..... 27

INTRODUCTION

I. TECHNICAL SPECIFICATIONS

A. GENERAL: The Supplemental Technical Specifications following this introduction contain work requirements that are (1) specific to the project and (2) supplemental to the Standard Technical Specification, which is a general document applicable to a wide range of projects and types of work. The Supplemental Technical Specifications and the Standard Technical Specification form the complete technical specifications for the project.

B. SUPPLEMENTAL TECHNICAL SPECIFICATIONS: The Supplemental Technical Specifications are referenced throughout the Standard Technical Specification as the source for specific work requirements and information associated with the project being specified. The requirements and information provided in the Supplemental Technical Specifications correspond only to references in the Standard Technical Specification that are applicable to the project. The Supplemental Technical Specifications contain the following:

1. Section 1 – Summary of Work. The Summary of Work corresponds to Part 01, Chapter 01, of the Standard Technical Specification. It contains a description of the project, a detailed summary of the work to be performed, and other requirements and information applicable to the project.

2. Section 2 – Additional Supplemental Specifications: Other project-specific requirements i.e., the size of reels that will hold new conductor, and BPA provided materials.

3. Section 3 – Attachments (when applicable): An example of an attachment is a Step Plan.

C. APPLICABLE SECTIONS OF THE STANDARD TECHNICAL SPECIFICATION: By specifying the work to be performed, the Summary of Work implies which portions of the Standard Technical Specification are applicable to the project. The Summary of Work does not exclude sections of the Standard Technical Specification that are not applicable to the project. The sections of the Standard Technical Specification not applicable to the project are those that do not correspond to work defined in the Summary of Work.

D. SPECIFICATIONS CONVENTION: The specifications are written as instructions to the Contractor. This means verbiage such as “the Contractor shall” is generally not used, but it may be used for clarity.

E. ON-SITE POSSESSION: Anyone who supervises personnel is required to have a copy of all contract release documents at the project site at all times. This includes the Supplemental Technical Specifications and the Standard Technical Specification.

+ + END OF PREFACE + +

SECTION 1 - SUMMARY OF WORK

PART 01 - CHAPTER 01 - PROJECT REQUIREMENTS

01.01.01 SCOPE

[Delete Paragraph (A.) and substitute the following:]

A. PROJECT SUMMARY: Construct the McNary - John Day No. 1, 500 kV, lattice steel transmission line. Relocate the Rock Creek - John Day 500 kV lattice steel, single circuit transmission line:

1. Access Roads: Reconstruction of existing roads; new road construction; construction of approaches from state and county roads.

2. Clearing: Incidental clearing only.

3. Environmental: Avoidance and protection of environmental resources, timing restrictions, Storm Water Pollution Prevention Plan (SWPP Plan), Spill Prevention Control and Countermeasures (SPCC Plan), and providing an Erosion and Sediment Control Lead (ESC Lead).

4. Line Construction:

   a. Construction of grillage, plate, drilled shaft, and grouted rock footings.

   b. Removal of a section in the existing Rock Creek - John Day No. 1, 500 kV, transmission line.

   c. Assembly and erection of lattice steel, single circuit towers.

   d. Installation of insulators, hardware, conductor, and overhead groundwire.

   e. Installation of grounding and counterpoise.

   f. Installation of 72-count ADSS and 36-count OPGW fiber optic cable.

   g. Installation of signs, bird flight diverters, marker balls, and tower lighting.

[Delete Paragraph (B.) and substitute the following:]

B. LOCATION: McNary - John Day No 1 line begins at McNary Dam, City of Umatilla, Oregon (Umatilla County) and terminates at John Day Substation, near the city of Rufus, Oregon (Sherman County). At Umatilla (tower 2/1) the line crosses the Columbia River (north) to the state of Washington (line miles 1-2); it turns west following the Columbia River to mile 75, where it crosses south back across to river to Oregon; it then follows the river on the Oregon side until termination at the John Day Substation. Total line length is 79 miles. Line is broken into three sections with the work for this contract in two sections only:

1. Segment 1-3: Line mile 1 to the beginning of mile 3, tower 1/1 to 3/2. Work not part of this contract.

2. Segment 3-42 (Phase 1): Described as a portion of line mile 3 (tower 3/2 (ATA 20)) to 42 (tower 42/1 (ATA 207)). The beginning point of this line section is adjacent to (east) the northbound lane of Washington State Interstate Highway 82. The line runs north along the Columbia River and parallel Washington State Route (SR 14) terminating west of Pine Creek. It crosses through Benton and Klickitat Counties.

3. Segment 42-79 (Phase 2): Described as beginning in line mile 42 (tower 42/1 (ATA 207) ending at John Day Substation, tower 79/3 (ATA 380). This line section continues west along the ridge that follows the Columbia River. At tower 75/2 (ATA 369), the line turns south crossing the Columbia River at tower 76/1 (ATA 370). Once across the river the line again turns west along the ridge following the river (south side) on the Oregon side until termination. It crosses through Klickitat and Gilliam Counties, Washington, and Sherman County Oregon.

01.01.02 CONTRACTOR WORK

[Delete Paragraph (A.) and substitute the following:]

A. ENVIRONMENTAL: Meet the minimum requirements specified in Part 02, Chapter 01, GENERAL ENVIRONMENTAL REQUIREMENTS for the following environmental categories. Perform the following in accordance with Part 02, Chapter 02, STORM WATER POLLUTION PREVENTION. In addition to the standard environmental requirements are requirements for identified Sensitive Areas (SA). Locations of the SA are shown on the Photomaps. A summary of requirements follows:

1. Avoidance of Sites:

   a. Keep vehicles and equipment on access roads and work sites.

   b. Do not enter SA that are off of the right-of-way, shown on the photomaps, or are marked by sensitive area markers.

2. Protection of Sites: The MIT lists sites with specific protection requirements.

    a. Access Roads: Restrict blading, maintain existing road width, and install aggregate protection blanket (geotextile fabric and aggregate).

    b. Streams and Rivers: Avoid construction activities within a 200-foot buffer zone.

    c. Agricultural Areas: In food producing agricultural areas, take measures to avoid contamination of soils. Activities such as eating, smoking, and urinating are prohibited. No plastic or glass containers are allowed outside of vehicles. Keep work areas clean and free of debris. Maintain garbage receptacles at each work site, and remove and empty them on a daily basis.

3. Site Monitoring: Provide construction schedules and coordinate with the BPA provided cultural monitor(s) that will be required for all ground disturbing activities.

4. Additional Site Clearances: Notify COTR and obtain environmental clearance where work activities may occur outside planned tower sites and access roads (See 01.04.03 WORK AREAS - STANDARD TECHNICAL SPECIFICATIONS).

5. Timing Restrictions:

    a. Restrict the use of helicopters and construction equipment. Timeframes and locations of restrictions will be provided following surveys that will be conducted Spring 2009.

    b. Entry restrictions may be in effect when pesticides are used within the agricultural areas.

    c. At structures 7/3 through 7/5 construction work may begin after October 15, 2009, or sooner if crop is harvested and irrigation pivot is removed.

6. Vehicle & Equipment Wash Stations: Install 5 wash stations. Wash station locations will be determined following noxious weed survey conducted by BPA.

7. Dust Control: Perform dust control activities throughout the project. In agricultural areas, allow no dust in the air during periods when the trees and vines have foliage.

8. Water Quality Protection: BPA has prepared a Storm Water Pollution Prevention Plan (SWPP Plan) for this project. Comply with the following:

    a. Provide an Erosion and Spill Control Lead (ESC Lead): The ESC Lead may act as the Environmental Representative (ER) if qualified and it is feasible to do so.

b. Erosion and Sediment Control Plans (ESC Plans): Prepare ESC Plans for sites identified in the MIT. NOTE: The MIT refers to these plans as ESCP. Install, inspect, and maintain erosion and sediment control BMPs shown on the ESC Plans. Maintain documentation and records.

c. Spill Prevention Control and Countermeasure Plan (SPCC Plan): Prevent the spill of gasoline, oil, hydraulic fluids, and other products indentified as pollutants. Contain and manage concrete and concrete wash water. In the event of a spill; clean-up material, notify COTR, and perform regulatory reporting requirements.

9. Site Restoration: Re-establish site contour, replace topsoil at identified sites, perform subsoiling in agricultural areas, and reseed disturbed areas with specified seed mixes.

10. Fire Prevention: See 01.04.06 FIRE PREVENTION AND SUPPRESSION

[Delete the second and third sentence of Paragraph (B.) and substitute the following:]

B. REMOVAL: Removed materials become the property of the Contractor.

[Delete the text of Paragraph (C.) and substitute the following:]

C. CLEARING: Incidental clearing only. Cleared debris becomes the property of the Contractor. Remove and dispose of debris off site, unless other arrangements are made with landowner. Perform the following as necessary and specified:

[Delete the first sentence of Paragraph (D.) and substitute the following:]

D. FENCES, GATES, AND CATTLE GUARDS: Install barbed wire field fence and gates (ranch fence gate, ranch fence with rock jacks, and stockyard gate) at locations listed in the Access Road Summary.

[Delete the first sentence of Paragraph (E.) and substitute the following:]

E. ACCESS ROADS: The Access Road Summary contains the work requirements. Comply with the following:

[Delete the Paragraph (E.)(1.) and substitute the following:]

1. Construction: Construct new and upgrade existing roads. Construct new roads, including turnouts, J-holes. Construct new drainage structures including new culverts, fords, and ditches. Selectively clear, grub, and remove of brush. Widen and upgrade existing road systems, excavate for new road cross sections, simple blading and full bench cut and fills. Place and compact rock base and surfacing. Water and roller compaction required.

[Delete the Paragraph (E.)(2.) and substitute the following:]

2. Improvement: Restore existing roads to their original condition. Re-grade, rock, clear brush, replace drainage structures, and repair landslides. Mow brush away from road prior to improvement, blade to re-establish road grade, contour, and drainage. Place and compact rock surfacing. Water and roller compaction required. Repair and replace existing culverts, fords, and ditches.

[Add the following sentence to Paragraph (E.)(4.); Replace the text *non-specified* under Paragraph (E.)(4.) and substitute *specified*:]

4. Maintenance: See PART 05, CHAPTER 01, GENERAL REQUIREMENTS FOR ROADS - STANDARD TECHNICAL SPECIFICATIONS.

   a. Mow brush prior to maintenance of road.

   b. Water and roller compaction required for surface maintenance.

[Delete Paragraph (G.) and substitute the following:]

G. MATERIAL LOGISTICS: Provide a material yard(s) for BPA provided materials. Yard requirements see 01.02.05 MATERIAL YARDS. Work includes:

1. Set up of yard, security, and permits.

2. Off loading trucks, receiving, inventory, inspection, storage and delivery to project sites.

[Delete Paragraph (L.) and substitute the following:]

L. WIRELESS WORK: No wireless work is required on this project.

[Add the following Paragraph (N.):]

N. LINE CONSTRUCTION - SEGMENT 3-42 (PHASE 1):

1. At locations of new towers, verify BPA staking and provide surveying as necessary to stake locations of new footings.

2. Footings: Install grillage, plate, and grouted rock footings for towers 3/2 (ATA 20) to 42/1 (ATA 207).

3. Assemble and erect single circuit, lattice steel, 148 series, 48B, 58D, and 48T type towers from 3/2 (ATA 20) to 42/1 (ATA 207).

4. Install hardware, insulators and conductor:

    a. Hardware and Insulators: Tower 3/2 (ATA 20) to 42/1 (ATA 207).

    b. Conductor: Triple bundle ACSR/TW Deschutes; tower 3/2 (ATA 20) to 42/1 (ATA 207).

5. Install counterpoise from tower 3/2 (ATA 20) through tower 42/1 (ATA 207).

6. Install signs from tower 3/2 (ATA 20) through tower 42/1 (ATA 207).

7. Install two 1/2 - inch EHS steel overhead groundwire from tower 3/2 (ATA 20) to tower 42/1 (ATA 207).

8. Obstruction Marking: Install bird flight diverters from tower 12/1 (ATA 62) to 15/4 (ATA 81)

9. ADSS Fiber Optic Cable:

    a. Install and test 72-count ADSS fiber optic cable between 3/2 (ATA 20) through 42/1 (ATA 207).

    b. Install fiber optic wood poles and guys at locations shown in the Fiber Optic Installation Sheets.

[Add the following Paragraph (O.):]

O. LINE CONSTRUCTION - SEGMENT 42 - 79 (PHASE 2):

1. At locations of new towers, verify BPA staking and provide surveying as necessary to stake locations of new footings.

2. Footings:

    a. Install grillage, plate, and grouted rock footings for towers 42/2 (ATA 208) to 79/3 (ATA 380).

    b. Install drilled shaft footings at locations given in PART 07 - TOWER FOUNDATIONS.

3. Assemble and erect single circuit, lattice steel, 148 and X158 series, 48B and 48T type towers from 42/2 (ATA 208) to 79/3 (ATA 380).

4. Install hardware, insulators, and conductor:

    a. Hardware and Insulators: Tower 42/2 (ATA 208) to 79/3 (ATA 380).

    b. Conductor:

        i. Triple bundle ACSR/TW Deschutes from tower 42/1 (ATA 207) to 75/2 (ATA 369), and 76/2 (ATA 371) to 79/3 (ATA 380).

        ii. Triple bundle ACSR Chukar from tower 75/2 (ATA 369) to 76/2 (ATA 371).

5. Install counterpoise from tower 42/2 (ATA 208) to 79/3 (ATA 380).

6. Install signs from tower 42/2 (ATA 208) to 79/3 (ATA 380).

7. Install two 1/2-inch EHS steel overhead groundwire from 42/1 (ATA 207) to 75/2 (ATA 369), and 76/2 (ATA 371) to 79/3 (ATA 380).

8. Obstruction Marking:

    a. Tower Lighting: Install obstruction lighting at towers 76/1 (ATA 370) and 76/2 (ATA 371). BPA will provide electrical service for airway lights within 50 feet of the towers.

    b. Bird Flight Diverters: Install bird flight diverters in from tower 61/3 (ATA 303) to 62/1 (ATA 304) and 75/2 (ATA 369) to 76/2 (ATA 371).

    c. Marker Balls: Install markers from tower 70/2 (ATA 344) to 70/3 (ATA 345).

9. ADSS Fiber Optic Cable:

    a. Install and test 72-count ADSS fiber optic cable from 42/1 (ATA 207) to 75/2 (ATA 369), and from 76/2 (ATA 371) to 79/3 (ATA 380):

    b. Install fiber optic wood poles and guys at locations shown in the Fiber Optic Installation Sheets.

10. OPGW Fiber Optic Cable: Install and test two 36-count OPGW fiber optic cable on river crossing towers from 75/2 (ATA 369) to 76/2 (ATA 371).

[Add the following Paragraph (P.):]

P. ROCK - CREEK NO. 1, 500 KV REBUILD: Relocate the Rock Creek - John Day No.1 transmission line 200 feet north for the McNary - John Day line. Construct new line section from new tower 4/3 (CB 413A) to existing tower 6/3 (CB 420):

1. At locations of new towers, verify BPA staking and provide surveying as necessary to stake locations of new footings.

2. Install footings for new single circuit, lattice steel, 28 series towers 4/3 (CB 413A) to 6/2 (CB 419A). If there is insufficient vertical clearance to overhead, energized conductors, install footings and legs for new dead end tower 4/3 (CB 413A) during outage.

3. Assemble and erect single circuit, lattice steel, 28 series towers 5/1 (CB 414A) to 6/2 (CB 419A).

4. Install hardware, insulators, and conductor:

   a. Hardware and Insulators: Tower 5/1 (CB 414A) to 6/2 (CB 419A).

   b. Conductor: ACSR twin Chukar conductor from 5/1 (CB 414A) to 6/2 (CB 419A).

5. Take outage on Rock Creek - John Day No. 1, finish 4/3 (CB 413A) tower, hardware, and insulator installation.

6. Cut to length and dead end existing twin ACSR Chukar conductor back on line of new tower 4/3 (CB 413A).

7. String new twin ACSR Chukar conductor between new dead ends 4/3 (CB 413A) and 5/1 (CB 414A).

8. String new twin ACSR Chukar conductor between new 6/2 (CB 419A) and existing 6/3 (CB 420).

9. Remove existing Rock Creek - John Day No. 1 line from 4/3 (CB 413) to 6/2 (CB 419). See PART 03 – REMOVAL. In summary:

   a. Remove twin ACSR Chukar conductor from existing lattice steel towers 4/3 (CB 413) to 6/3 (CB 420).

   b. Remove existing lattice steel towers 4/3 (CB 413) to 6/2 (CB 419). Tower series 28 and 8R.

   c. Disposal: Removed materials become Contractor's property for disposal.

d. Site Restoration: Cut stubs 2 feet below ground on all towers except 6/1 (CB 418). At tower 6/1 (CB 418), excavate to remove footings. Dispose of footings off site. Prepare excavation to receive new footings.

01.01.03 BPA WORK

[Delete the Paragraph (A.) and substitute with the following:]

A. GENERAL: BPA will perform the following work:

1. Survey and stake tower centers.

2. Switch isolation devices for Contractor Clearances and remove jumpers for lines "Returned to Construction" status.

01.01.04 WORK SEQUENCE

[Add the following Paragraph (B.):]

B. SEGMENT DETAIL: All work complete and ready for energization November 1, 2011. Work is to commence in 2009 and to take place in sequence as described:

1. Segment 3-42 (Phase 1): In 2009 work may begin on the access roads and towers.

   a. December 1, 2009 - Complete tower erection (installation of footings, legs, and tower bodies) from structure 3/2 (ATA 20) to 13/2 (ATA 69).

   b. Structures 23/3 (ATA 120) and 23/4 (ATA 121): No footing or tower work allowed at these sites until Spring 2011.

   c. Land:

      i. Access roads, mostly in miles 30-42, to be acquired by September 1, 2009.

      ii. Additional right-of-way from towers 24/4 (ATA 125) through 27/3 (ATA 138) acquired by November 1, 2009.

   d. Permits: Crossing and approach permits, September 1, 2009.

2. Segment 42-79 (Phase 2): In the Spring of 2010, road and tower work may begin.

   a. Land: Access roads, access permits, additional right-of-way, and crossing permits will be available June 1, 2010.

3. Rock Creek – John Day – Outage available in Fall 2010.

01.01.05 COORDINATION

[Add the following Paragraph (C.):]

C. COORDINATION WITH TRIBAL MONITOR:

1. Prior to construction BPA will conduct a preconstruction meeting with the Contractor and tribal monitors to coordinate construction schedules.

2. Coordinate closely with the COTR and tribal monitor when additional environmental site clearances are required.

3. Coordinate with the COTR for submission, implementation, and inspection of ESC Plans.

[Add the following Paragraph (D.):]

D. LANDOWNER MEETING:

1. BPA will hold and conduct a public meeting to introduce the Contractor to landowners impacted by construction activities. Prior to the Notice-to-Proceed date, BPA will provide a list of landowners applicable to this project.

2. Contact landowners prior to entering property and construction activities; coordinate construction schedules with landowner activities. In cultivated areas where pesticides are used, coordinate entry and construction schedules and activities with pesticide application schedules. Comply with pesticide warnings and landowner restrictions that may be posted.

01.01.06 CAUTION

[Add the following Paragraph (B.):]

B. ENERGIZED CORRIDOR: The McNary - John Day line will be constructed along the North ROW of an existing, energized BPA transmission corridor. Adjacent lines:

1. Beginning of Project, Tower 3/2 (ATA 20) to Horse Heaven Substation (Mile 17) are two existing energized lines:

   a. South ROW: McNary - Horse Heaven No. 1, 230 kV.

   b. Adjacent South: McNary - Ross No. 1, 345 kV.

2. From Horse Heaven Substation to Tower 23/3 (ATA 119):

a. South ROW: Horse Heaven - Harvalum No. 1, 230 kV.

b. Adjacent South: McNary - Ross No. 1, 345 kV.

3. Miles 23/4 (ATA 120) to 27/4 (ATA 139): At this location Ashe - Slatt No. 1 and Ashe - Marion No. 2 Double Circuit line enters the line corridor.

   a. South ROW: Horse Heaven - Harvalum No. 1, 230 kV.

   b. South: McNary - Ross No. 1, 345 kV.

   c. Adjacent South: Ashe - Slatt No. 1, Ashe - Marion No. 2, 500 kV.

4. Mile 27 - 68:

   a. South ROW: Horse Heaven - Harvalum No. 1, 230 kV.

   b. Adjacent South: McNary - Ross No. 1, 345 kV.

5. Miles 68-70: Rock Creek - John Day No. 1, 500 kV enters corridor.

   a. South ROW: Horse Heaven - Harvalum No. 1, 230 kV.

   b. Adjacent South: McNary - Ross, No. 1, 345 kV.

   c. McNary - John Day will take Rock Creek -John Day position until Mile 70. In mile 70 McNary - John Day crosses to the south side of the corridor.

   d. Adjacent North: Relocated Rock Creek - John Day No. 1, 500 kV.

6. Miles 70-75: McNary - John Day crosses lines to south side of corridor.

   a. Adjacent North: Horse Heaven - Harvalum No.1, 230 kV.

   b. North: McNary - Ross No. 1, 345 kV.

   c. North ROW: Rock Creek - John Day No. 1, 500 kV.

7. Miles 75-76: McNary - John Day turns south to cross the Columbia River, into Oregon.

   a. Adjacent West: Rock Creek - John Day No. 1, 500 kV.

8. Miles 77-79: McNary - John Day line will take an interior position within an energized corridor:

a. Slatt - John Day No. 1, 500 kV

b. John Day Powerhouse - John Day No. 1, 500 kV.

c. John Day Powerhouse - John Day No. 2, 500 kV.

d. John Day Powerhouse - John Day No. 3, 500 kV.

e. Adjacent South John Day Powerhouse - John Day No. 4, 500 kV.

f. Adjacent North, Rock Creek - John Day No.1, 500 kV.

g. John Day Substation Service - John Day No. 1 - 13.8 kV.

[Add the following Paragraph (C.)]

C. UNDERGROUND UTITILITIES: Throughout the project length there may be underground, high-pressure gas lines. Within the agricultural areas are high pressure irrigation lines. Address protection of these lines in the Blasting Plan.

01.01.07 PERMITS

[Delete the text of Paragraph (A.) and substitute the following:]

A. GENERAL: BPA will obtain the following permits.

1. Construction in floodplain, wetland, and riparian areas, including in-stream work.

2. Approach permits for Washington State Highway 14, and County Roads. For Segment 3-42 (Phase 1) approach permits will be available by September 1, 2009.

3. Crossing permits: See 01.03.04 TRACT AVAILABILITY AND ENTRY RESTRICTIONS where permits are required. Permits for Segment 3-42 (Phase 1) will be available September 1, 2009. Permits for Segment 42-79 (Phase 2) will be available June 1, 2010.

   a. Washington State Highway 82 - conductor and fiber.

   b. Washington State Highway 14 (towers 13/4 (ATA 71) and 13/5 ATA 72), and 70/4 (ATA 346) and 70/5 (ATA 347)) conductor and fiber.

   c. Washington State Highway 221, mile 16, conductor and fiber.

   d. Interstate 84 - conductor and fiber (towers 76/1 (ATA 370) and 76/2 (ATA 371)).

4. Railroad permits: Burlington Northern - Santa Fe Railroad (tower 75/2 and 76/1) and Union Pacific Railroad (towers 76/1 (ATA 370) and 76/2 (ATA 371)).

01.01.08 GEOTECHNICAL REPORT

[Delete the text of Paragraph (A.)(1.) and substitute with the following:]

1. BPA has conducted a field geotechnical investigation.

[Add the following Paragraph (B.):]

B. REPORT DETAIL:

1. BPA conducted a Geotechnical reconnaissance and created a report to (a) characterize existing surface conditions at each proposed structure site and (b) develop preliminary foundation recommendations. The reports are attached in the Construction Data.

2. Once the environmental clearance and protocol for cultural monitoring is established, BPA will conduct a geotechnical field study to obtain additional information on subsurface conditions. The results of that study will be made available to the Contractor.

01.01.09 CONTRACTOR MOBILE COMMUNICATIONS SYSTEM

[Delete the first sentence of Paragraph (B.) and substitute with the following:]

B. INSTALLATION: This project requires four (4) BPA vehicle-mounted radios.

[Add the following Article (01.01.11):]

01.01.11 CONTRACT RELEASE DOCUMENTS

A. GENERAL: The Release for this project will comprise of the following contract documents:

1. RFO/ Release Documentation.

2. Supplemental Technical Specifications.

3. Construction Data.

   a. Project design and standard construction drawings, and installation sheets.

   b. Access Road Summary (ARS).

   c. Tract Availability Sheet.

b. Fiber Optic Cable Installation Sheets, and attachments.

c. Stringing Instructions.

d. Removal Drawings.

e. Storm Water Pollution Prevention (SWPP) Plan.

f. Mitigation Implementation Table (MIT).

4. Photomaps (Separate contract document).

5. Plan and Profile Maps (Separate contract document).

+ + END OF SECTION + +

SECTION 2 - ADDITIONAL SUPPLEMENTAL SPECIFICATIONS

PART 01 - CHAPTER 02 – MATERIAL PROCEDURES

01.02.03 SUBMITTALS FOR CONTRACTOR-FURNISHED MATERIAL

[Delete the second sentence of Paragraph (D.)(1.) and substitute with the following:]

1. Submittals to BPA Construction Management: Send standard, commercial express delivery, and U.S. Mail Parcel to the attention of Dan Dewey. Send electronic formats to dsdewey@bpa.gov and sratnathicam@bpa.gov.

01.02.04 BPA-FURNISHED PROPERTY

[Delete the second sentence of Paragraph (A.) and substitute the following:]

A. PROPERTY: All property will be issued by the Notice-to-Proceed date, except as noted. The following table is a general list of property to be furnished and corresponding issue location(s):

Structure	Material/Equipment	Issue Location	Arrival Date
3/2 - 42/1	Footing and Tower Steel	Field yard	June 1 - October 1, 2009
	Conductor	Field yard	
	Hardware, Insulators, OHGW, Fiber Optic Cable	Field yard	
42/2 - 75/1	Footing and Tower Steel	Field yard	September 1, 2009 - April 1, 2010
	Conductor	Field yard	June 1 - October 1, 2009
	Hardware, Insulators, OHGW, Fiber Optic Cable	Field yard	October 1 2009 - April 1 2010
75/2 - 76/2	Footing and Tower Steel (river crossing structures)	Field yard	January 1 - April 1, 2011
	Conductor	Field yard	January 1 - April 1, 2011
	Hardware, Insulators, OHGW, Fiber Optic Cable	Field yard	January 1 - April 1, 2011
76/3 - 79/3	Footing and Tower Steel	Field yard	September 1, 2009 - April, 1 2010
	Conductor	Field yard	October 1, 2009 - April 1, 2010
	Hardware, Insulators, OHGW, Fiber Optic Cable	Field yard	October 1, 2009 - April 1, 2010

01.02.05 MATERIAL YARDS

[Delete the text of Paragraph (A.) and substitute the following:]

A. GENERAL: Prior to NTP, BPA property will be issued at the Paterson, Washington materials yard. This yard will be used to receive and store materials that arrive prior to NTP. After NTP, this yard will be turned over to the contractor.

[Delete the text of Paragraph (C.) and substitute the following:]

C. CONTRACTOR-OPERATED FIELD YARD: Upon NTP, the Paterson yard will be turned over to the Contractor to operate. At the Contractor's option, either continue to operate the Paterson yard, establish an additional yard (or yards), or both. Prior to establishing additional materials yard(s), obtain permits and submit copies of permits to the COTR. Ensure each yard is of sufficient size to safely receive, store, sort, handle, and transport materials. Provide security for all contractor operated yards and submit Yard Security Plan to the COTR.

[Delete the text of Paragraph (C.)(1.) and substitute the following:]

1. Approved Uses: Contractor-operated field yard may be used for the following:

PART 01 - CHAPTER 03 – RIGHTS-OF-WAY AND PROJECT ACCESS

01.03.04 TRACT AVAILABILITY AND ENTRY RESTRICTIONS

[Add the following Paragraph (F.):]

F. TRACT INFORMATION: All tracts will be available by the Notice-to-Proceed date, except the unsecured tracts listed on the Tract Availability document under the Access Roads tab of the Construction Data.

PART 01 - CHAPTER 04 – ADDITIONAL REQUIREMENTS

01.04.03 WORK AREAS

[Add the last sentence in Paragraph (E.)]

E. SITE MAINTENANCE: Maintain clean work areas and restore the site as specified in Part 02, ENVIRONMENTAL REQUIREMENTS. Provide portable-toilets in accordance with OSHA regulation. In food producing agricultural areas, locate the toilet outside of the cultivated area.

01.04.05 COTR FIELD OFFICE

[Delete Paragraph (A.) and substitute with the following:]

A. GENERAL: The Contractor is not required to set up the BPA COTR field office for this project. BPA will provide the COTR field office located at McNary Substation.

01.04.07 BLASTING

[Delete the first sentence of Paragraph (A.) and substitute with the following:]

A. GENERAL: Except for areas listed in the MIT, blasting is allowed for excavation work.

PART 01 - CHAPTER 05 – OUTAGES, CLEARANCES, AND HOLD ORDERS

01.05.04 OUTAGE SCHEDULE

[Delete the first sentence of Paragraph (A.) and substitute with the following:]

A. GENERAL: The following table list outages obtained for this project:

LINE NAME	OUTAGE BEGINS	OUTAGE ENDS
Ashe – Marion No. 2 and Ashe – Slatt No. 1, 500 kV	2011 - 1 week outage	
Rock Creek - John Day No. 1, 500 kV	Fall 2010 - 4 week outage requested	
Horse Heaven - Harvalum No. 1, 230 kV McNary - Ross No. 1, 345 kV	Fall 2011 - 1 week outage	

01.05.06 PROCEDURES FOR REQUESTING OUTAGES AND HOLD ORDERS

[Add the following to text to Paragraph (G.):]

G. FACILITIES OWNED BY OTHERS (FOREIGN UTILITIES): Secure outages and hold orders on facilities owned by others.

PART 02 - CHAPTER 01 - GENERAL ENVIRONMENTAL REQUIREMENTS

02.01.03 ENVIRONMENTAL REPRESENTATIVE

[Add the following Paragraph (B.):]

B. EROSION SPILL CONTROL LEAD: This project requires the Contractor to provide an Erosion Spill Control Lead (ESC Lead). See STANDARD TECHNICAL SPECIFICATION, 02.02.05 - QUALITY ASSURANCE PERSONNEL.

[Add the following Paragraph (C.):]

C. TRAINING OF WORKERS: Coordinate the training of workers on environmental issues. Include training on environmental and cultural awareness, and spill prevention and response.

02.01.09 CULTURAL MONITORING

[Delete Paragraph (B.) and substitute with the following:]

B. CULTURAL MONITOR: Cultural monitoring is required for all ground disturbing activities. BPA will provide cultural monitors. Attend a pre-construction meeting held with the COTR, and on-site cultural resource and tribal monitors to coordinate construction schedule and chain of communication.

02.01.10 VEGETATION MANAGEMENT

[Add the following text to Paragraph (B.):]

B. NOXIOUS WEED CONTAINMENT: Prevent the spread of noxious weeds by avoiding locations with weeds and by complying with vehicle and equipment cleaning requirements. Comply with the following:

[Add the following text to Paragraph (B.)(2.):]

2. Vehicle and Equipment Cleaning: Certify in writing each time cleaning has been done. If a vehicle or piece of equipment leaves the project area and travels off paved surfaces, repeat the cleaning and certification process before the vehicle or piece of equipment returns to the project.

[Add the following Paragraph (B.)(3.):]

3. Establish five wash stations within the project area for vehicle cleaning. BPA will provide the locations where the stations need to be placed. On-site wash stations set up by the Contractor require COTR approval of locations prior to being set up. Attached is a drawing of a typical wash station. Wash stations of other design but with same function may be substituted upon approval of the COTR.

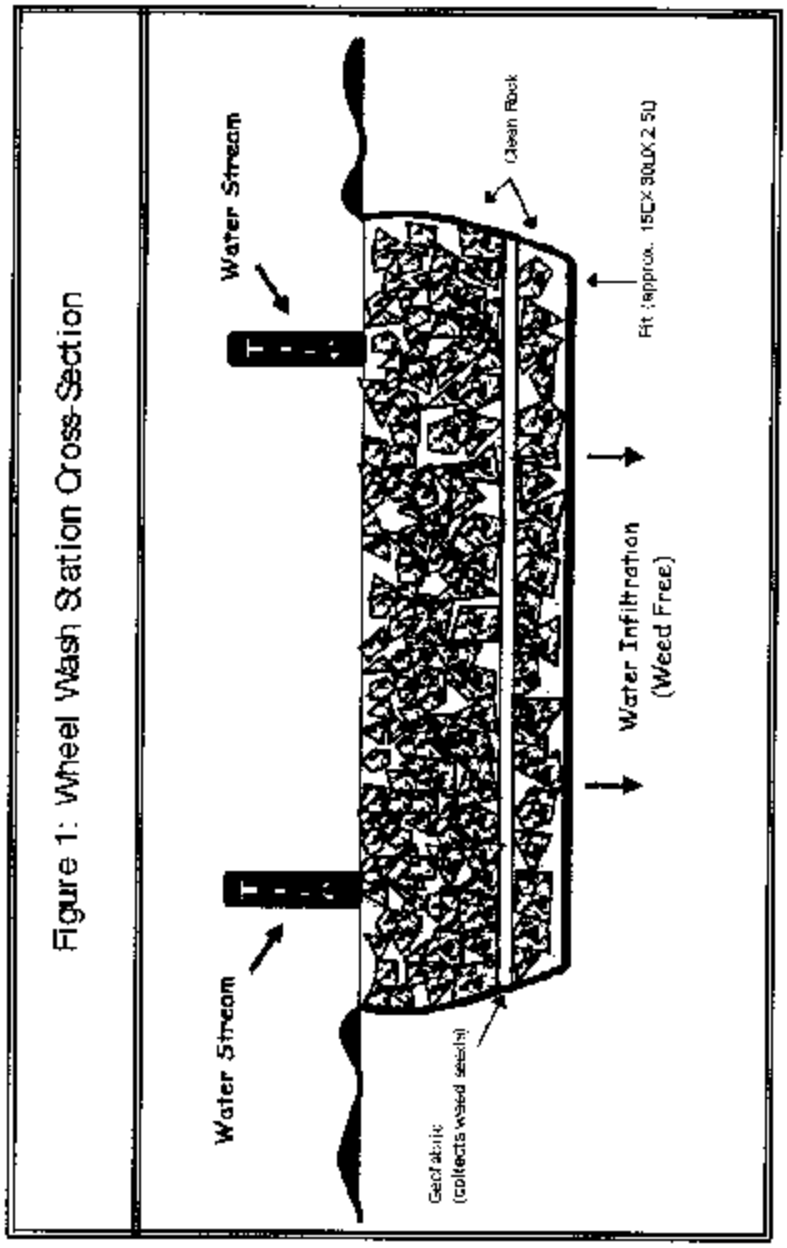

Figure 1: Wheel Wash Station Cross-Section

[Add the following Paragraph (C.):]

C. WEED SURVEY: BPA will conduct a noxious weed survey and will provide an interim report before NTP. At the completion of the survey the complete report will be available.

PART 03 - CHAPTER 01 - REMOVAL OF TRANSMISSION LINE FACILITIES

03.01.06 RETURN OF MATERIALS RETAINED BY BPA

[Delete the text of Paragraph (A.) and substitute the following:]

A. GENERAL: None of the materials will be retained by BPA. Removed materials become Contractor property

03.01.07 MATERIALS TRANSPORTED TO OR PICKED UP BY A THIRD PARTY

[Delete the text of Paragraph (A.) and substitute the following:]

A. GENERAL: None of the materials will be transported to or picked up by a third party. Removed materials become Contractor property.

03.01.09 REMOVAL OF CONDUCTOR AND OVERHEAD GROUNDWIRE

[Delete the second sentence of Paragraph (A.)(1.) and substitute with the following:]

1. Prior to removal operations, perform conductor inspections and load certifications, and obtain COTR approval.

[Delete the text of Paragraph (A.)(3.) and substitute with the following:]

3. When the condition of the existing conductor makes standard removal procedures unsafe, submit alternate plans to the COTR for approval.

03.01.12 REMOVAL OF STEEL TOWERS

[Delete Paragraph (B.) and substitute with the following:]

B. TOWER STEEL TO BE RETAINED BY BPA: BPA will not retain removed tower steel.

[Add the following Paragraph (C.):]

C. FOOTING REMOVAL:

1. Cut stub angles at least 2 feet below the ground surface.

2. Rock Creek - John Day No. 1: On removed tower 6/1 (CB 418) excavate to completely remove footings and prepare subgrade to receive new footings. See the STANDARD TECHNICAL SPECIFICATION, PART 07, CHAPTER 06 BACKFILL. See the MIT, and STANDARD TECHNICAL SPECFICATION, PART 02, CHAPTER 01 - GENERAL ENVIRONMENTAL REQUIREMENTS for site stabilization requirements.

3. Footings become Contractor's property for disposal.

03.01.13 REMOVAL OF INSULATORS

[Add the following text to (A.):]

A. GENERAL: Removed insulators become the property of the Contractor for disposal.

PART 04 - CHAPTER 01 - CLEARING

04.01.01 SCOPE

[Delete the second sentence of Paragraph (A.) and substitute the following:]

A. WORK COVERED: Clearing is limited to incidental removal of trees and brush on the right-of-way, at tower sites, or as necessary for other work.

[Delete the text of Paragraph (B.) and substitute the following:]

B. OWNERSHIP OF TIMBER: On sites where the Contractor removes trees, the debris becomes the property of the Contractor to dispose of off site. Coordinate with the landowner, the disposal of trees and brush cleared from landowner property.

[Add the following Paragraph (B.)(3.):]

3. Landowner Removed Trees: In areas within vineyards and orchards the landowners will remove their trees/vines clearing a 150-foot by 150-foot area. Prior to additional clearing, coordinate with the landowners.

[Add the following Paragraph (B.)(4.):]

4. Contractor Removed Trees: In areas where the landowner has not removed trees/vines performing the clearing work, coordinate with the landowner prior to clearing and disposal.

PART 04 - CHAPTER 02 - FENCES, GATES, AND CATTLE GUARDS

04.02.04 MATERIALS

[Add the following to Paragraph (E.):]

1. Gate Post Backfill: Meet the following gradation. Do not use native material for gate post backfill.

Sieve Size	Percent Passing
3/4-inch	100
1/2-inch	70-98
U.S. No. 4	44-70
U.S. No. 8	30-54
U.S. No. 30	15-34
U.S. No. 200	6-15

PART 05 - CHAPTER 02 - CLEARING, EARTHWORK, BASE, AND SURFACING

05.02.04 MATERIALS

[Delete the text of Paragraph (I.)(1.) and substitute the following:]

1. WSDOT 9-33.2 Table 3 - Soil Stabilization, 12 foot width; 110 mil non-woven, needle punched, 100 percent polypropylene filament, minimum weight -12 ounces per square yard.

[Add the following Paragraph (J.):]

J. QUARRY SPALLS: Meet the following gradation:

Sieve Size	Percent Passing
6-inch square	100
4 inch square	80-100
2-inch square	50-80
1 inch square	20-50
U.S. No. 4	5-20

05.02.05 LOCATIONS OF NEW ROADS

[Add the following text to Paragraph (A.):]

A. For new spur roads, BPA will flag centerline locations.

[Add the following text to Paragraph (B.):]

B. For new spur roads, use a minimum radius of curvature of 50 feet.

05.02.11 SUBGRADE

[Add the following Paragraph (B.):]

B. PLACEMENT OF GEOTEXTILE FABRIC: When laying the geotextile fabric, follow the manufacturer's directions to ensure the fabric remains in place. Overlap fabric sections a minimum of 36 inches.

05.02.12 ROAD SURFACING

[Add the following Paragraph (D.):]

D. PLACEMENT OF AGGREGATE OVER GEOTEXTILE FABRIC:

1. Place aggregate in quantities shown in the ARS allowing a maximum of 4-inches of geotextile fabric showing along the edges.

2. Use water for roller compaction of road surfacing and for maintenance of roads.

05.02.13 IMPROVEMENT AND RECONSTRUCTION OF EXISTING ACCESS ROADS

[Add the following to text to Paragraph (A.)(1.):]

1. Mowing: Prior to road construction and reconstruction, mow brush to a 20 foot width.

PART 05 - CHAPTER 03 - ACCESS ROAD DRAINAGE

05.03.04 DRAINAGE STRUCTURES REQUIRING PERMITS

[Add the following Paragraph (B.):]

B. PERMITS: Culvert Installation on road M-BE-6-AR-1 (Mile 6) requires a hydraulic permit.

05.03.06 MATERIALS

[Amend the table as follows in Paragraph (G.)(1.):]

Sieve Size	Percent Passing
3/4-inch	100
1/2-inch	70-98
U.S. No. 4	44-70
U.S. No. 8	30-54
U.S. No. 30	15-34
U.S. No. 200	6-15

05.03.14 WATER BARS

[Delete the first sentence of Paragraph (A.) and substitute the following:]

A. GENERAL: Locations and types of waterbars are not shown in the Access Road Summary. Place a maximum of 4 waterbars per mile for road reconstruction and new construction.

PART 07 - CHAPTER 01 - SITE PREPARATION AND EXCAVATION

[Delete the Article (07.01.04) and substitute with the following:]

07.01.04 ADDITIONAL FOUNDATION TYPES

A. General: In addition to the standard plate and grouted rock foundations, this work includes site preparation, excavation and placement of drilled shaft and grillage foundations at the following structures:

Structure Number	Serial Number	Foundation	Drilled Shaft Diameter (ft)	Drilled Shaft Length/Leg (ft)
3/2	ATA 20	Grillage		
6/1	ATA 34	Grillage		
16/3	ATA 85	Grillage		
20/3	ATA 104	Grillage		
23/3	ATA 119	Grillage		
23/4	ATA 120	Grillage		
27/1	ATA 136	Grillage		
27/4	ATA 139	Grillage		
27/5	ATA 140	Grillage		
29/6	ATA 150	Grillage		
32/5	ATA 164	Grillage		
36/1	ATA 179	Grillage		
36/2	ATA 180	Grillage		

Structure Number	Serial Number	Foundation	Drilled Shaft Diameter (ft)	Drilled Shaft Length/Leg (ft)
42/1	ATA 207	Grillage		
45/3	ATA 223	Drilled Shaft	6	25
46/2	ATA 228	Drilled Shaft	4	18
46/3	ATA 229	Drilled Shaft	4	18
47/2	ATA 233	Grillage		
48/1	ATA 237	Grillage		
49/4	ATA 245	Drilled Shaft	6	25
55/2	ATA 272	Grillage		
57/4	ATA 284	Drilled Shaft	6	25
58/2	ATA 287	Drilled Shaft	6	25
59/4	ATA 293	Drilled Shaft	6	25
61/3	ATA 303	Grillage		
62/1	ATA 304	Grillage		
62/3	ATA 306	Drilled Shaft	6	25
64/1	ATA 315	Drilled Shaft	6	25
66/2	ATA 325	Drilled Shaft	4	18
67/3	ATA 331	Grillage		
68/1	ATA 333	Drilled Shaft	6	25
68/2	ATA 334	Drilled Shaft	4	18
68/3	ATA 335	Drilled Shaft	4	18
68/4	ATA 336	Drilled Shaft	4	18
68/5	ATA 337	Grillage		
70/2	ATA 344	Grillage		
73/4	ATA 361	Drilled Shaft	6	25
75/2	ATA 369	Drilled Shaft	8	30
76/1	ATA 370	Drilled Shaft	6	40
76/2	ATA 371	Drilled Shaft	8	30
77/1	ATA 372	Grillage		
78/1	ATA 377	Drilled Shaft	6	25
79/1	ATA 378	Drilled Shaft	4	18
79/2	ATA 379	Drilled Shaft	4	18
79/3	ATA 380	Grillage		
4/3*	CB 413A	Grillage		
6/2*	CB 419A	Grillage		

* Rock Creek – John Day No. 1

[Add the following Paragraph (B.):]

B. SITE CONDITIONS: Preliminary assessments of subsurface conditions at each site are presented in the Geotechnical Reconnaissance Reports.

PART 10 - CHAPTER 01 - CONDUCTOR AND OVERHEAD GROUND WIRE CABLES

10.01.05 BPA-FURNISHED MATERIALS

[Delete the second sentence of Paragraph (A.)(1.) and add the following:]

a. ACSR/TW Deschutes: The reel dimensions are 96 inches (diameter) by 60 inches (width). The quantity of conductor per reel is 9,500 feet. The cost per foot is $2.35.

b. ACSR Chukar: The reel dimensions are 96 inches (diameter) by 60 inches (width). The quantity of conductor per reel is 8,500 feet. The cost per foot is $3.06

[Delete the second sentence of Paragraph (A.)(2.) and substitute with the following:]

2. Overhead ground wire: The new overhead ground wire for this project is 1/2-inch EHS steel. The reel dimensions are 84 inches (diameter) by 45 inches (width). The quantity of conductor per reel is 12,500 feet. The cost per foot is $0.61.

PART 12 - CHAPTER 01 - CONDUCTOR AND OVERHEAD GROUND WIRE CABLES

12.01.25 SPLICING OF FIBERS

[Add the following subsection (A.)(1a.) after (A.)(1.):]

1a. Make permanent splices with a fusion splicer.

a. If the fusion splicer to be used is other than an AFL Telecommunications FSM30, FSM40, or FSM50 model, prior to use submit for approval the manufacturer's literature on the splicer.

b. Set the fusion splicer for standard single-mode fiber.

c. The defined segments for SMF-28e fibers 1-72:

[Add the following Paragraph (B.):]

B. TESTING FOR SPLICE LOSSES:

3. The maximum allowable splice loss is 0.15 dB, as measured bi-directionally with an OTDR at 1550 nm for SMF-28e fiber. The maximum allowable average splice loss is 0.05 dB, for route segments with more than four splices. Calculate and document the average splice loss within a segment in accordance with document "BPA-Bidirectional Testing Results" located under the Fiber tab of the Construction Data.

12.01.26 FINAL TESTING OF FIBER OPTIC CABLE BY SPLICING CONTRACTOR

[Delete Paragraph (C.) and substitute the following:]

C. ATTENTUATION CRITERIA: Attenuation of fibers in the cable is limited to 0.40 dB/km @ 1310 nm (SMF-28e fibers) and 0.25 dB/km @ 1550 nm (SMF-28e and LEAF), with no point discontinuity exceeding 0.1 dB. Splice loss values, described in Paragraph 12.01.17 C, are excluded from this limit.

+ + END OF SECTION + +

SOURCE LIST

RFO 1280, McNary-John Day Transmission Line Construction

Henkels & McCoy, Inc.
5000 NE 148th Avenue
PO Box 20009
Portland, OR 97294

International Line Builders, Inc.
PO Box 23729
Portland, OR 97281

Michels Corporation
Michels Power Division
PO Box 15059 (98511-5059)
9433 Dowcor Lane SW
Tumwater, WA 98512

Wilson Construction Company
1190 NW Third Avenue
PO Box 1190
Canby, OR 97013

BONNEVILLE
POWER ADMINISTRATION

RELEASE

Mail Invoice To:

Bonneville Power Administration
Attn: Shantini Ratnathicam, TELS-TPP-3
P.O. Box 61409
Vancouver, WA 98666

Contract : 00028333
Release : 00019
Page : 1

Vendor:
WILSON CONSTRUCTION CO
1190 NW THIRD
CANBY OR 97013

Please Direct Inquiries to:

GRANT J. FURULIE
Title: CONTRACT SPECIALIST
Phone: 509-358-7359
Fax : 509-358-7460

Attn: Sandi Dickston

Contract Title: **MCNARY-JOHN DAY TRANSMISSION LINE CONSTRUCTION**

Total Value : **$38,863,570.00**
Pricing Method: **FIRM FIXED PRICE**
Performance Period: **06/01/09 - 11/01/11**

**** NOT TO EXCEED ****
Payment Terms: % Days Net 14

Contractor Signature
JEFFREY A. JOHNSON / EXEC. VP
Printed Name/Title
5/28/09
Date Signed

BPA Contracting Officer
05-28-09
Date Signed

Reference attached continuation sheet.

McNary – John Day Transmission Line Construction

SCOPE: This Release is issued under the terms and conditions of the Master Agreement Number 28333, Amendment 004 dated January 15, 2009. Contractor shall provide all labor, tools, equipment, materials and supplies necessary to complete all work in accordance the terms and conditions of this Master Agreement, Standard Technical Specification and the Supplemental Specification entitled, McNary – John Day Transmission Line Construction.

PERIOD OF PERFORMANCE (CONSTRUCTION) (7-52) (SEP 98)

(a) The Contractor shall be required to (1) commence work under this contract within **5 calendar days** after the date the Contractor receives the notice to proceed, (2) prosecute the work diligently, and (3) complete the entire work ready for use not later than **November 01, 2011**. The time stated for completion shall include final cleanup of the premises.

(b) The completion date is based on the assumption that the successful offeror will receive the notice to proceed by **June 1, 2009**. The completion date will be extended by the number of calendar days after the above date that the Contractor receives the notice to proceed, except to the extent that the delay in issuance of the notice to proceed results from the failure of the Contractor to execute the contract and give the required performance and payment bonds within the time specified in the offer.

SCHEDULE OF PRICES (22-51) (MAY 08)

The contractor shall provide all labor, tools, materials, (except those provided by BPA as identified elsewhere herein), supplies, and equipment necessary to perform the project described in the statement of work, and all associated documents attached herein, and in accordance with the terms and conditions set forth in the Master Agreement.

SCHEDULE OF PRICES
MCNARY - JOHN DAY TRANSMISSION LINE CONSTRUCTION

Item No.	Description	Estimated Quantity	Unit of Issue	Unit Price	Total
1	**Access Road Construction**				
1.1	Phase 1	1	JB		$1,568,165.00
1.2	Phase 2	1	JB		$1,957,220.00
		Total for Line Item 1			**$3,525,385.00**
2	**Line Construction-Segment Miles 3-42**				
2.1	Foundations				
2.11	Grillages at each leg on 14 DE towers	56	EA	$8,830.00	$494,480.00
2.12	Rest of footings	1	JB		$2,559,605.00
2.2	Towers				
2.21	Str. 23/3 & 23/4	1	JB		$209,575.00
2.22	Rest of towers	1	JB		$7,511,635.00
2.3	Wire work including hardware, markers etc.	1	JB		$4,266,695.00
2.4	Fiber	1	JB		$489,485.00
		Total for Line Item 2			**$15,531,475.00**

3	**Line Construction-Segment Miles 42-79**				
3.1	Foundations				
3.11	8 ft dia drilled shaft, 30 ft deep at each leg on 75/2				
	Soil drilling	8	LF	$415.00	$3,320.00
	Rock drilling	112	LF	$915.00	$102,480.00
3.12	6 ft dia drilled shaft, 40 ft deep at each leg on 76/1				
	Soil drilling	40	LF	$415.00	$16,600.00
	Rock drilling	120	LF	$715.00	$85,800.00
3.13	8 ft dia drilled shaft, 30 ft deep at each leg on 76/2				
	Soil drilling	80	LF	$1,320.00	$105,600.00
	Rock drilling	40	LF	$1,650.00	$66,000.00
3.14	6 ft dia drilled shaft, 25 ft deep at each leg on 10 DE's				
	Soil drilling	160	LF	$495.00	$79,200.00
	Rock drilling	840	LF	$770.00	$646,800.00
3.15	4 ft dia drilled shaft, 18 ft deep at each leg on 9 Sus. Towers				
	Soil drilling	144	LF	$495.00	$71,280.00
	Rock drilling	504	LF	$745.00	$375,480.00
3.16	Grillages at each leg on 10 DE towers	40	EA	$8,830.00	$353,200.00
3.17	Rest of footings	1	JB		$2,945,835.00
3.2	Towers				
3.21	River crossing tower 75/2	1	JB		$269,370.00
3.22	River crossing tower 76/1	1	JB		$434,700.00
3.23	River crossing tower 76/2	1	JB		$329,870.00
3.24	Rest of towers	1	JB		$7,916,990.00
3.3	Wire work including hardware, markers etc.	1	JB		$4,663,095.00
3.4	Fiber	1	JB		$540,550.00
		Total for Line Item 3			**$19,006,170.00**
4	**Rebuild Line- Rock Creek Segment**				
4.1	Foundations				
4.11	Grillages at each leg on 3 DE towers	12	EA	$7,025.00	$84,300.00
4.12	Rest of footings	1	JB		$39,600.00
4.2	Towers	1	JB		$247,760.00
4.3	Wire work including hardware	1	JB		$46,720.00
4.4	Retirement	1	JB		$67,160.00
		Total for Line Item 4			**$485,540.00**
5	**Material Management**	1	JB		$315,000.00
	GRAND TOTAL CONTRACT PRICE FOR ITEMS 1 - 5				**$38,863,570.00**

WAGE DETERMINATIONS: The following Wage Determinations are applicable to this Release.

- WA080001, Modification 25, Dated 03/20/2009, pages
- OR080002, Modification 17, Dated 03/20/2009, pages

AFFIRMATIVE ACTION COMPLIANCE REQUIREMENTS FOR CONSTRUCTION:

- Goal for female participation is 6.9%
- Goal for minority participation in Benton County, Washington is 5.4%
- Goal for minority participation in Klickitat County, Washington is 2.9%
- Goal for minority participation in Umatilla County, Oregon is 3.8%
- Goal for minority participation in Sherman County, Oregon is 2.9%

PAYMENT AND PERFORMANCE BONDS: Reference Contract Clause Performance and Payment Bonds (16-1M) (APR 06) are required.

KEY PERSONNEL (any deviation from the Key Personnel shall be submitted for approval):

Project Manager – Mace Peveler & David Streetman
General Superintendent – Gerald Turner
Safety Representative – Sid Millman
Site Superintendent – Dan Fitzgerald
Wire Foreman – Scott Snow
Land Liaison – Bob Slocum – Primary / Roger Thronson - Alternate
Material Representative – Dave Puntenney
Erosion Sediment Control Lead – Sierra Conder In-House, Bob Slocum On-Site
Environmental Representative – Bob Slocum – Primary / Roger Thronson - Alternate

ATTACHMENTS:

- Wage Determinations –
  - WA080001, Modification 25, Dated 03/20/2009, 41 pages
  - OR080002, Modification 17, Dated 03/20/2009, 17 pages
- Revision 01, 106 pages
- Revision 02, 4 pages
- Revision 03, 3 pages
- Revision 04, 9 pages
- Wilson Construction Company's Technical Offer, 39 pages
- Written Discussions, 21 pages
- Supplemental Technical Specification – To be distributed at pre-construction meeting.
- Construction Data (e.g. Drawings, Photomaps, SWWPP plan, etc.) – To be distributed at pre-construction meeting.

General Decision Number: WA080001 03/20/2009 WA1

Superseded General Decision Number: WA20070001

State: Washington

Construction Types: Heavy (Heavy and Dredging) and Highway

Counties: Washington Statewide.

HEAVY AND HIGHWAY AND DREDGING CONSTRUCTION PROJECTS (Excludes D.O.E. Hanford Site in Benton and Franklin Counties)

Modification Number	Publication Date
0	02/08/2008
1	02/15/2008
2	02/22/2008
3	04/04/2008
4	04/25/2008
5	05/09/2008
6	06/06/2008
7	06/13/2008
8	06/20/2008
9	06/27/2008
10	07/11/2008
11	07/25/2008
12	08/01/2008
13	08/08/2008
14	08/29/2008
15	09/05/2008
16	09/19/2008
17	10/03/2008
18	10/24/2008
19	10/31/2008
20	11/21/2008
21	01/02/2009
22	02/06/2009
23	02/27/2009
24	03/06/2009
25	03/20/2009

CARP0001-008 06/01/2007

	Rates	Fringes
Carpenters:		
COLUMBIA RIVER AREA - ADAMS, BENTON, COLUMBIA, DOUGLAS (EAST OF THE 120TH MERIDIAN), FERRY, FRANKLIN, GRANT, OKANOGAN (EAST OF THE 120TH MERIDIAN) AND WALLA WALLA COUNTIES		
GROUP 1	$ 25.68	9.30
GROUP 2	$ 27.18	9.30
GROUP 3	$ 25.95	9.30
GROUP 4	$ 25.68	9.30
GROUP 5	$ 59.40	9.30
GROUP 6	$ 28.70	9.30
GROUP 7	$ 29.70	9.30

GROUP 8	$ 26.95	9.30
GROUP 9	$ 32.70	9.30
SPOKANE AREA: ASOTIN, GARFIELD, LINCOLN, PEND OREILLE, SPOKANE, STEVENS AND WHITMAN COUNTIES		
GROUP 1:	$ 25.01	9.30
GROUP 2:	$ 26.51	9.30
GROUP 3:	$ 25.27	9.30
GROUP 4:	$ 25.01	9.30
GROUP 5:	$ 58.04	9.30
GROUP 6:	$ 28.02	9.30
GROUP 7	$ 29.02	9.30
GROUP 8	$ 26.27	9.30
GROUP 9	$ 32.02	9.30

CARPENTER & DIVER CLASSIFICATIONS:

GROUP 1: Carpenter; Burner-Welder; Rigger and Signaler; Insulators (all types), Acoustical, Drywall and Metal Studs, Metal Panels and Partitions; Floor Layer, Sander, Finisher and Astro Turf; Layout Carpenters; Form Builder; Rough Framer; Outside or Inside Finisher, including doors, windows, and jams; Sawfiler; Shingler (wood, composition) Solar, Fiberglass, Aluminum or Metal; Scaffold Erecting and Dismantling; Stationary Saw-Off Bearer; Wire, Wood and Metal Lather Applicator

GROUP 2: Millwright, machine erector

GROUP 3: Piledriver - includes driving, pulling, cutting, placing collars, setting, welding, or creosote treated material, on all piling

GROUP 4: Bridge, dock and wharf carpenters

GROUP 5: Diver Wet

GROUP 6: Diver Tender, Manifold Operator, ROV Operator

GROUP 7: Diver Standby, Bell/Vehicle or Submersible operator Not Under Pressure

GROUP 8: Assistant Tender, ROV Tender/Technician

GROUP 9: Manifold Operator-Mixed Gas

ZONE PAY:

ZONE 1	0-40 MILES	FREE
ZONE 2	41-65 MILES	$2.25/PER HOUR
ZONE 3	66-100 MILES	$3.25/PER HOUR
ZONE 4	OVER 100 MILES	$4.75/PER HOUR

DISPATCH POINTS:

CARPENTERS/MILLWRIGHTS: PASCO (2819 W. SYLVESTER) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS/PILEDRIVER: SPOKANE (127 E. AUGUSTA AVE.) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS: WENATCHEE (27 N. CHELAN) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS: COEUR D' ALENE (1839 N. GOVERNMENT WAY) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS: MOSCOW (302 N. JACKSON) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

DEPTH PAY FOR DIVERS BELOW WATER SURFACE:
50-100 feet $2.00 per foot
101-150 feet $3.00 per foot
151-220 feet $4.00 per foot
221 feet and deeper $5.00 per foot

PREMIUM PAY FOR DIVING IN ENCLOSURES WITH NO VERTICAL ASCENT:
0-25 feet Free
26-300 feet $1.00 per Foot

SATURATION DIVING:
The standby rate applies until saturation starts. The saturation diving rate applies when divers are under pressure continuously until work task and decompression are complete. the diver rate shall be paid for all saturation hours.

WORK IN COMBINATION OF CLASSIFICATIONS:
Employees working in any combination of classifications within the diving crew (except dive supervisor) in a shift are paid in the classification with the highest rate for that shift.

HAZMAT PROJECTS:

Anyone working on a HAZMAT job (task), where HAZMAT certification is required, shall be compensated at a premium, in addition to the classification working in as follows:

LEVEL D + $.25 per hour - This is the lowest level of protection. No respirator is used and skin protection is minimal.

LEVEL C + $.50 per hour - This level uses an air purifying respirator or additional protective clothing.

LEVEL B + $.75 per hour - Uses same respirator protection as Level A. Supplied air line is provided in conjunction with a chemical "splash suit".

LEVEL A +$1.00 per hour - This level utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line.

CARP0003-006 06/01/2007

SOUTHWEST WASHINGTON: CLARK, COWLITZ, KLICKITAT, LEWIS (Piledriver only), PACIFIC (South of a straight line made by extending the north boundary line of Wahkiakum County west to Willapa Bay to the Pacific Ocean), SKAMANIA AND WAHKIAKUM COUNTIES and INCLUDES THE ENTIRE PENINSULA WEST OF WILLAPA BAY

SEE ZONE DESCRIPTION FOR CITIES BASE POINTS

ZONE 1:

	Rates	Fringes
Carpenters:		
CARPENTERS; ACOUSTICAL.....	$ 27.56	13.30

DIVERS TENDERS.....$ 30.28 13.30
DIVERS.....$ 68.84 13.30
DRYWALL.....$ 27.56 13.30
FLOOR LAYERS & FLOOR
FINISHERS (the laying of
all hardwood floors nailed
and mastic set, parquet
and wood-type tiles, and
block floors, the sanding
and finishing of floors,
the preparation of old and
new floors when the
materials mentioned above
are to be installed);
INSULATORS (fiberglass and
similar irritating
materils.....$ 27.71 13.30
MILLWRIGHTS.....$ 28.04 13.30
PILEDRIVERS.....$ 28.04 13.30

DEPTH PAY:
50 TO 100 FEET $1.00 PER FOOT OVER 50 FEET
101 TO 150 FEET $1.50 PER FOOT OVER 101 FEET
151 TO 200 FEET $2.00 PER FOOT OVER 151 FEET

Zone Differential (Add up Zone 1 rates):
Zone 2 - $0.85
Zone 3 - 1.25
Zone 4 - 1.70
Zone 5 - 2.00
Zone 6 - 3.00

BASEPOINTS: ASTORIA, LONGVIEW, PORTLAND, THE DALLES, AND VANCOUVER, (NOTE: All dispatches for Washington State Counties: Cowlitz, Wahkiakum and Pacific shall be from Longview Local #1707 and mileage shall be computed from that point.)

ZONE 1: Projects located within 30 miles of the respective city hall of the above mentioned cities
ZONE 2: Projects located more than 30 miles and less than 40 miles of the respective city of the above mentioned cities
ZONE 3: Projects located more than 40 miles and less than 50 miles of the respective city of the above mentioned cities
ZONE 4: Projects located more than 50 miles and less than 60 miles of the respective city of the above mentioned cities.
ZONE 5: Projects located more than 60 miles and less than 70 miles of the respective city of the above mentioned cities
ZONE 6: Projects located more than 70 miles of the respected city of the above mentioned cities

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CARP0770-003 06/01/2007

	Rates	Fringes
Carpenters:		
CENTRAL WASHINGTON: CHELAN, DOUGLAS (WEST OF THE 120TH MERIDIAN), KITTITAS, OKANOGAN (WEST OF THE 120TH MERIDIAN) AND YAKIMA COUNTIES		
ACCOUSTICAL WORKERS.....	$ 23.25	10.85
BRIDGE, DOCK AND WHARF		

CARPENTERS AND HEAVY & HIGHWAY	$ 32.49	10.85
CARPENTERS AND DRYWALL APPLICATORS	$ 23.25	10.85
CARPENTERS ON CREOSOTE MATERIAL	$ 23.25	10.85
DIVERS TENDER	$ 33.29	10.93
DIVERS	$ 74.82	10.93
INSULATION APPLICATORS	$ 23.25	10.85
MILLWRIGHT AND MACHINE ERECTORS	$ 33.49	10.85
PILEDRIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CRESOTE TREATED MATERIAL, ALL PILING	$ 32.69	10.85
SAWFILERS, STATIONARY POWER SAW OPERATORS, FLOOR FINISHER, FLOOR LAYER, SHINGLER, FLOOR SANDER OPERATOR AND OPERATORS OF OTHER STATIONARY WOOD WORKING TOOLS	$ 23.25	10.85

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - ALL CLASSIFICATIONS EXCEPT MILLWRIGHTS AND PILEDRIVERS

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Seattle	Olympia	Bellingham
Auburn	Bremerton	Anacortes
Renton	Shelton	Yakima
Aberdeen-Hoquiam	Tacoma	Wenatchee
Ellensburg	Everett	Port Angeles
Centralia	Mount Vernon	Sunnyside
Chelan	Pt. Townsend	

Zone Pay:

0 -25 radius miles	Free
26-35 radius miles	$1.00/hour
36-45 radius miles	$1.15/hour
46-55 radius miles	$1.35/hour
Over 55 radius miles	$1.55/hour

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - MILLWRIGHT AND PILEDRIVER ONLY)

Hourly Zone Pay shall be computed from Seattle Union Hall, Tacoma City center, and Everett City center

Zone Pay:

0 -25 radius miles	Free
26-45 radius miles	$ .70/hour
Over 45 radius miles	$1.50/hour

CARP0770-006 06/01/2007

	Rates	Fringes
Carpenters:		
WESTERN WASHINGTON:		

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS (excludes piledrivers only), MASON, PACIFIC (North of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES

ACOUSTICAL WORKERS	$ 32.62	11.26
BRIDGE, DOCK & WHARF CARPENTERS	$ 32.49	11.26
CARPENTERS AND DRYWALL APPLICATORS	$ 32.49	11.26
CARPENTERS ON CREOSOTE MATERIAL	$ 32.59	11.26
DIVERS TENDER	$ 33.29	10.93
DIVERS	$ 74.82	10.93
INSULATION APPLICATORS	$ 32.49	11.26
MILLWRIGHT AND MACHINE ERECTORS	$ 33.49	11.26
PILEDRIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CRESOTE TREATED MATERIAL, ALL PILING	$ 32.69	11.26
SAWFILERS, STATIONARY POWER SAW OPERATORS, FLOOR FINISHER, FLOOR LAYER, SHINGLER, FLOOR SANDER OPERATOR AND OPERATORS OF OTHER STATIONARY WOOD WORKING TOOLS	$ 32.62	11.26

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - ALL CLASSIFICATIONS EXCEPT MILLWRIGHTS AND PILEDRIVERS

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Seattle	Olympia	Bellingham
Auburn	Bremerton	Anacortes
Renton	Shelton	Yakima
Aberdeen-Hoquiam	Tacoma	Wenatchee
Ellensburg	Everett	Port Angeles
Centralia	Mount Vernon	Sunnyside
Chelan	Pt. Townsend	

Zone Pay:

0 -25 radius miles	Free
26-35 radius miles	$1.00/hour
36-45 radius miles	$1.15/hour
46-55 radius miles	$1.35/hour
Over 55 radius miles	$1.55/hour

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - MILLWRIGHT AND PILEDRIVER ONLY)

Hourly Zone Pay shall be computed from Seattle Union Hall, Tacoma City center, and Everett City center

Zone Pay:

0 -25 radius miles	Free
26-45 radius miles	$ .70/hour
Over 45 radius miles	$1.50/hour

ELEC0046-001 07/02/2007

CALLAM, JEFFERSON, KING AND KITSAP COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 40.62	3%+13.21
ELECTRICIAN	$ 36.93	3%+13.21

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* ELEC0048-003 01/01/2009

CLARK, KLICKITAT AND SKAMANIA COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 34.40	3%+$14.85
ELECTRICIAN	$ 35.65	3%+$15.35

HOURLY ZONE PAY:

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Portland, The Dalles, Hood River, Tillamook, Seaside and Astoria

Zone Pay:

Zone 1: 31-50 miles	$1.50/hour
Zone 2: 51-70 miles	$3.50/hour
Zone 3: 71-90 miles	$5.50/hour
Zone 4: Beyond 90 miles	$9.00/hour

*These are not miles driven. Zones are based on Delorrne Street Atlas USA 2006 plus.

ELEC0073-001 01/01/2009

ADAMS, FERRY, LINCOLN, PEND OREILLE, SPOKANE, STEVENS, WHITMAN COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 28.22	3%+12.48
ELECTRICIAN	$ 27.82	3%+12.48

ELEC0076-002 03/01/2007

GRAYS HARBOR, LEWIS, MASON, PACIFIC, PIERCE, AND THURSTON COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 36.31	3%+13.19
ELECTRICIAN	$ 32.71	3%+13.19

ELEC0077-002 02/01/2007

	Rates	Fringes

Line Construction:

CABLE SPLICERS	$ 42.09	3.875%+$10.60
GROUNDMEN	$ 26.31	3.875%+$8.60
LINE EQUIPMENT MEN	$ 32.32	3.875%+$8.70
LINEMEN, POLE SPRAYERS, HEAVY LINE EQUIPMENT MAN	$ 37.58	3.875%+$10.60
POWDERMEN, JACKHAMMERMEN	$ 28.19	3.875%+$8.60
TREE TRIMMER	$ 22.65	3.875%+$8.35

ELEC0112-005 12/01/2008

ASOTIN, BENTON, COLUMBIA, FRANKLIN, GARFIELD, KITTITAS, WALLA WALLA, YAKIMA COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 35.39	3%+13.48
ELECTRICIAN	$ 33.70	3%+13.48

ELEC0191-003 03/01/2008

ISLAND, SAN JUAN, SNOHOMISH, SKAGIT AND WHATCOM COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 36.86	3%+12.98
ELECTRICIAN	$ 33.51	3%+12.98

ELEC0191-004 03/01/2008

CHELAN, DOUGLAS, GRANT AND OKANOGAN COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 32.46	3%+12.81
ELECTRICIAN	$ 29.51	3%+12.81

ELEC0970-001 01/01/2009

COWLITZ AND WAHKIAKUM COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 34.68	3%+9.59
ELECTRICIAN	$ 31.53	3%+9.59

ENGI0302-003 06/01/2008

CHELAN (WEST OF THE 120TH MERIDIAN), CLALLAM, DOUGLAS (WEST OF THE 120TH MERIDIAN), GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, KITTITAS, MASON, OKANOGAN (WEST OF THE 120TH MERIDIAN), SAN JUNA, SKAGIT, SNOHOMISH, WHATCOM AND YAKIMA (WEST OF THE 120TH MERIDIAN) COUNTIES

PROJECTS: CATEGORY A PROJECTS (EXCLUDES CATEGORY B PROJECTS, AS SHOWN BELOW)

Zone 1 (0-25 radius miles):

	Rates	Fringes
Power equipment operators:		
Group 1A	$ 34.51	13.95
Group 1AA	$ 35.08	13.95
Group 1AAA	$ 35.64	13.95
Group 1	$ 33.96	13.95
Group 2	$ 33.47	13.95
Group 3	$ 33.05	13.95

Group 4.....$ 30.69 13.95

Zone Differential (Add to Zone 1 rates):
Zone 2 (26-45 radius miles) - $1.00
Zone 3 (Over 45 radius miles) - $1.30

BASEPOINTS: Aberdeen, Bellingham, Bremerton, Everett, Kent, Mount Vernon, Port Angeles, Port Townsend, Seattle, Shelton, Wenatchee, Yakima

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1AAA - Cranes-over 300 tons, or 300 ft of boom (including jib with attachments)

GROUP 1AA - Cranes 200 to 300 tons, or 250 ft of boom (including jib with attachments); Tower crane over 175 ft in height, base to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons, under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader- overhead 6 yards to, but not including 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9, HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self propelled 45 yards and over; Slipform pavers; Transporters, all truck or track type

GROUP 2 - Barrier machine (zipper); Batch Plant Operaor-Concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-overhead, bridge type-20 tons through 44 tons; Chipper; Concrete Pump-truck mount with boom attachment; Crusher; Deck Engineer/Deck Winches (power); Drilling machine; Excavator, shovel, backhoe-3yards and under; Finishing Machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Horizontal/directional drill operator; Loaders-overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics-all; Mixers-asphalt plant; Motor patrol graders-finishing; Piledriver (other than crane mount); Roto-mill,roto-grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar Green; Scraper-self propelled, hard tail end dump, articulating off-road equipment-under 45 yards; Subgrade trimmer; Tractors, backhoes-over 75 hp; Transfer material service machine-shuttle buggy, blaw knox-roadtec; Truck crane oiler/driver-100 tons and over; Truck Mount portable conveyor; Yo Yo Pay dozer

GROUP 3 - Conveyors; Cranes-thru 19 tons with attachments; A-frame crane over 10 tons; Drill oilers-auger type, truck or crane mount; Dozers-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside hoists-(elevators and manlifts), air

tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loader-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pumps-concrete; Roller, plant mix or multi-lift materials; Saws-concrete; Scrpers-concrete and carry-all; Service engineer-equipment; Trenching machines; Truck Crane Oiler/Driver under 100 tons; Tractors, backhoe 75 hp and under

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete finish mahine-laser screed; Cranes-A frame-10 tons and under; Elevator and Manlift-permanent or shaft type; Gradechecker, Stakehop; Forklifts under 3000 lbs. with attachments; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger, mechanical; Power plant; Pumps, water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

Category B Projects: 95% of the basic hourly rate for each group plus full fringe benefits applicable to category A projects shall apply to the following projects. A Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings and bridges whose total value is less than $1.5 million excluding mechanical, electrical, and utility portions of the contract.

2. Projects of less than $1 million where no building is involved. Surfacing and paving included, but utilities excluded.

3. Marine projects (docks, wharfs, etc.) less than $150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS:

Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing
H-2 Class "C" Suit - Base wage rate plus $ .25 per hour.
H-3 Class "B" Suit - Base wage rate plus $ .50 per hour.
H-4 Class "A" Suit - Base wage rate plus $ .75 per hour.

Zone Differential (Add to Zone 1 rates):
Zone 2 (26-45 radius miles) - $ .70
Zone 3 (Over 45 radius miles) - $1.00

BASEPOINTS: Aberdeen, Bellingham, Bremerton, Everett, Kent, Mount Vernon, Port Angeles, Port Townsend, Seattle, Shelton, Wenatchee, Yakima

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1AAA - Cranes-over 300 tons, or 300 ft of boom (including jib with attachments)

GROUP 1AA - Cranes 200 to 300 tons, or 250 ft of boom (including jib with attachments); Tower crane over 175 ft in

height, base to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons, under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader- overhead 6 yards to, but not including 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9, HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self propelled 45 yards and over; Slipform pavers; Transporters, all truck or track type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator-Concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-overhead, bridge type-20 tons through 44 tons; Chipper; Concrete Pump-truck mount with boom attachment; Crusher; Deck Engineer/Deck Winches (power); Drilling machine; Excavator, shovel, backhoe-3 yards and under; Finishing Machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Horizontal/directional drill operator; Loaders-overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics-all; Mixers-asphalt plant; Motor patrol graders-finishing; Piledriver (other than crane mount); Roto-mill, roto-grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar Green; Scraper-self propelled, hard tail end dump, articulating off-road equipment-under 45 yards; Subgrade trimmer; Tractors, backhoes-over 75 hp; Transfer material service machine-shuttle buggy, blaw knox-roadtec; Truck crane oiler/driver-100 tons and over; Truck Mount portable conveyor; Yo Yo Pay dozer

GROUP 3 - Conveyors; Cranes-thru 19 tons with attachments; A-frame crane over 10 tons; Drill oilers-auger type, truck or crane mount; Dozers-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loader-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pumps-concrete; Roller, plant mix or multi-lift materials; Saws-concrete; Scrapers-concrete and carry-all; Service engineer-equipment; Trenching machines; Truck Crane Oiler/Driver under 100 tons; Tractors, backhoe 75 hp and under

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete finish machine-laser screed; Cranes-A frame-10 tons and under; Elevator and Manlift-permanent or shaft type; Gradechecker, Stakehop; Forklifts under 3000 lbs. with attachments; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger, mechanical; Power plant; Pumps, water; Rigger and Bellman; Roller-other than plant

mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

CATEGORY B PROJECTS: 95% OF THE BASIC HOURLY RATE FOR EACH GROUP PLUS FULL FRINGE BENEFITS APPLICABLE TO CATEGORY A PROJECTS SHALL APPLY TO THE FOLLOWING PROJECTS. REDUCED RATES MAY BE PAID ON THE FOLLOWING:

1. Projects involving work on structures such as buildings and bridges whose total value is less than $1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than $1 million where no building is involved. Surfacing and paving including, but utilities excluded.
3. Marine projects (docks, wharfs, etc.) less than $150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft classifications subject to working inside a federally designed hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing.
H-2 Class "C" Suit - Base wage rate plus $.25 per hour.
H-3 Class "B" Suit - Base wage rate plus $.50 per hour.
H-4 Class "A" Suit - Base wage rate plus $.75 per hour.

ENGI0302-009 06/01/2007

CHELAN (WEST OF THE 120TH MERIDIAN), CLALLAM, DOUGLAS (WEST OF THE 120TH MERIDIAN), GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, KITTITAS, MASON, OKANOGAN (WEST OF THE 120TH MERIDIAN), SAN JUNA, SKAGIT, SNOHOMISH, WHATCOM AND YAKIMA (WEST OF THE 120TH MERIDIAN) COUNTIES

ON PROJECTS DESCRIBED IN FOOTNOTE A BELOW, THE RATE FOR EACH GROUP SHALL BE 95% OF THE BASE RATE PLUS FULL FRINGE BENEFITS. ON ALL OTHER WORK, THE FOLLOWING RATES APPLY.

WORK PERFORMED ON HYDRAULIC DREDDGES:
Zone 1 (0-25 radius miles):

	Rates	Fringes
Power equipment operators:		
GROUP 1		
TOTAL PROJECT COST $300,000 AND OVER	$ 31.33	12.75
TOTAL PROJECT COST UNDER $300,000	$ 26.96	8.40
GROUP 2		
TOTAL PROJECT COST $300,000 AND OVER	$ 31.46	12.75
TOTAL PROJECT COST UNDER $300,000	$ 27.06	8.40
GROUP 3		
TOTAL PROJECT COST $300,000 AND OVER	$ 31.84	12.75
TOTAL PROJECT COST UNDER $300,000	$ 27.38	8.40
GROUP 4		
TOTAL PROJECT COST $300,000 AND OVER	$ 31.89	12.75

TOTAL PROJECT COST UNDER $300,000	$ 27.43	8.40
GROUP 5		
TOATL PROJECT COST $300,000 AND OVER	$ 33.46	12.75
TOTAL PROJECT COST UNDER $300,000	$ 28.75	8.40
GROUP 6		
TOTAL PROJECT COST $300,000 AND OVER	$ 31.33	12.75
TOTAL PROJECT COST UNDER $300,000	$ 26.96	8.40

Zone Differential (Add to Zone 1 rates):
Zone 2 (26-45 radius miles) - $ .70
Zone 3 (Over 45 radius miles) - $1.00

BASEPOINTS: Aberdeen, Bellingham, Bremerton, Everett, Kent, Mount Vernon, Port Angeles, Port Townsend, Seattle, Shelton, Wenatchee, Yakima

POWER EQUIPMENT OPERATORS CLASSIFICATIONS:

GROUP 1: Assistant Mate (Deckhand
GROUP 2: Oiler
GROUP 3: Assistant Engineer (Electric, Diesel, Steam or Booster Pump); Mates and Boatmen
GROUP 4: Craneman, Engineer Welder
GROUP 5: Leverman, Hydraulic
GROUP 6: Maintenance

Category B Projects: 95% of the basic hourly rate for each group plus full fringe benefits applicable to category A projects shall apply to the following projects. A Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings and bridges whose total value is less than $1.5 million excluding mechanical, electrical, and utility portions of the contract.

2. Projects of less than $1 million where no building is involved. Surfacing and paving included, but utilities excluded.

3. Marine projects (docks, wharfs, etc.) less than $150,000.

Heavy Wage rates (Category A) Applies to clam shell dredge, hoe and dipper, shovels and shovel attachments, cranes and bulldozers.

HANDLING OF HAZARDOUS WASTE MATERIALS:

Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing
H-2 Class "C" Suit - Base wage rate plus $ .25 per hour.
H-3 Class "B" Suit - Base wage rate plus $ .50 per hour.
H-4 Class "A" Suit - Base wage rate plus $ .75 per hour.

Zone Differential (Add to Zone 1 rates):
Zone 2 (26-45 radius miles) - $ .70

Zone 3 (Over 45 radius miles) - $1.00

BASEPOINTS: Aberdeen, Bellingham, Bremerton, Everett, Kent, Mount Vernon, Port Angeles, Port Townsend, Seattle, Shelton, Wenatchee, Yakima

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1 - ASSISTANT MATE (DECKHAND)
GROUP 2 - OILER
GROUP 3 - ASSISTANT ENGINEER (ELECTRIC, DIESEL, STEAM OR BOOSTER PUMP); MATES AND BOATMEN
GROUP 4 - CRANEMAN, ENGINEER WELDER
GROUP 5 - LEVERMAN, HYDRAULIC
GROUP 6 - MAINTENANCE

CATEGORY B PROJECTS: 95% OF THE BASIC HOURLY RATE FOR EACH GROUP PLUS FULL FRINGE BENEFITS APPLICABLE TO CATEGORY A PROJECTS SHALL APPLY TO THE FOLLOWING PROJECTS. REDUCED RATES MAY BE PAID ON THE FOLLOWING:

1. Projects involving work on structures such as buildings and bridges whose total value is less than $1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than $1 million where no building is involved. Surfacing and paving including, but utilities excluded.
3. Marine projects (docks, wharfs, etc.) less than $150,000.

HEAVY WAGE RATES (CATEGORY A) APPLIES TO CLAM SHELL DREDGE, HOE AND DIPPER, SHOVELS AND SHOVEL ATTACHMENTS, CRANES AND BULLDOZERS.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft classifications subject to working inside a federally designed hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing.
H-2 Class "C" Suit - Base wage rate plus $.25 per hour.
H-3 Class "B" Suit - Base wage rate plus $.50 per hour.
H-4 Class "A" Suit - Base wage rate plus $.75 per hour.

ENGI0370-002 06/01/2008

ADAMS, ASOTIN, BENTON, CHELAN (EAST OF THE 120TH MERIDIAN), COLUMBIA, DOUGLAS (EAST OF THE 120TH MERIDIAN), FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN (EAST OF THE 120TH MERIDIAN), PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN AND YAKIMA (EAST OF THE 120TH MERIDIAN) COUNTIES

ZONE 1:

	Rates	Fringes
Power equipment operators:		
GROUP 1A	$ 23.21	9.80
GROUP 1	$ 23.76	9.80
GROUP 2	$ 24.08	9.80
GROUP 3	$ 24.69	9.80
GROUP 4	$ 24.85	9.80
GROUP 5	$ 25.01	9.80
GROUP 6	$ 25.29	9.80
GROUP 7	$ 25.56	9.80

GROUP 8.....$ 26.66 9.80

ZONE DIFFERENTIAL (Add to Zone 1 rate): Zone 2 - $2.00

Zone 1: Within 45 mile radius of Spokane, Pasco, Washington; Lewiston, Idaho
Zone 2: Outside 45 mile radius of Spokane, Pasco, Washington; Lewiston, Idaho

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1A: Boat Operator; Crush Feeder; Oiler; Steam Cleaner

GROUP 1: Bit Grinders; Bolt Threading Machine; Compressors (under 2000 CFM, gas, diesel, or electric power); Deck Hand; Drillers Helper (Assist driller in making drill rod connections, service drill engine and air compressor, repair drill rig and drill tools, drive drill support truck to and on the job site, remove drill cuttings from around bore hole and inspect drill rig while in operation); Fireman & Heater Tender; Hydro-seeder, Mulcher, Nozzleman; Oiler Driver, & Cable Tender, Mucking Machine; Pumpman; Rollers, all types on subgrade, including seal and chip coatings (farm type, Case, John Deere & similar, or Compacting Vibrator), except when pulled by Dozer with operable blade; Welding Machine; Crane Oiler-Driver (CLD required) & Cable Tender, Mucking Machine

GROUP 2: A-frame Truck (single drum); Assistant Refrigeration Plant (under 1000 ton); Assistant Plant Operator, Fireman or Pugmixer (asphalt); Bagley or Stationary Scraper; Belt Finishing Machine; Blower Operator (cement); Cement Hog; Compressor (2000 CFM or over, 2 or more, gas diesel or electric power); Concrete Saw (multiple cut); Distributor Leverman; Ditch Witch or similar; Elevator Hoisting Materials; Dope Pots (power agitated); Fork Lift or Lumber Stacker, hydra-lift & similar; Gin Trucks (pipeline); Hoist, single drum; Loaders (bucket elevators and conveyors); Longitudinal Float; Mixer (portable-concrete); Pavement Breaker, Hydra-Hammer & similar; Power Broom; Railroad Ballast Regulation Operator (self-propelled); Railroad Power Tamper Operator (self-propelled); Railroad Tamper Jack Operator (self-propelled; Spray Curing Machine (concrete); Spreader Box (self-propelled); Straddle Buggy (Ross & similar on construction job only); Tractor (Farm type R/T with attachment, except Backhoe); Tugger Operator

GROUP 3: A-frame Truck (2 or more drums); Assistant Refrigeration Plant & Chiller Operator (over 1000 ton); Backfillers (Cleveland & similar); Batch Plant & Wet Mix Operator, single unit (concrete); Belt-Crete Conveyors with power pack or similar; Belt Loader (Kocal or similar); Bending Machine; Bob Cat (Skid Steer); Boring Machine (earth); Boring Machine (rock under 8 inch bit) (Quarry Master, Joy or similar); Bump Cutter (Wayne, Saginau or similar); Canal Lining Machine (concrete); Chipper (without crane); Cleaning & Doping Machine (pipeline); Deck Engineer; Elevating Belt-type Loader (Euclid, Barber Green & similar); Elevating Grader-type Loader (Dumor, Adams or similar); Generator Plant Engineers (diesel or electric); Gunnite Combination Mixer & Compressor; Locomotive Engineer; Mixermobile; Mucking Machine; Posthole Auger or Punch; Pump (grout or jet); Soil Stabilizer (P & H or

similar); Spreader Machine; Dozer/Tractor (up to D-6 or equivalent) and Traxcavator; Traverse Finish Machine; Turnhead Operator

GROUP 4: Concrete Pumps (squeeze-crete, flow-crete, pump-crete, Whitman & similar); Curb Extruder (asphalt or concrete); Drills (churn, core, calyx or diamond); Equipment Serviceman; Greaser & Oiler; Hoist (2 or more drums or Tower Hoist); Loaders (overhead & front-end, under 4 yds. R/T); Refrigeration Plant Engineer (under 1000 ton); Rubber-tired Skidders (R/T with or without attachments); Surface Heater & Plant Machine; Trenching Machines (under 7 ft. depth capacity); Turnhead (with re-screening); Vacuum Drill (reverse circulation drill under 8 inch bit)

GROUP 5: Backhoe (under 45,000 gw); Backhoe & Hoe Ram (under 3/4 yd.); Carrydeck & Boom Truck (under 25 tons); Cranes (25 tons & under), all attachments including clamshell, dragline; Derricks & Stifflegs (under 65 tons); Drilling Equipment(8 inch bit & over) (Robbins, reverse circulation & similar); Hoe Ram; Piledriving Engineers; Paving (dual drum); Railroad Track Liner Operaotr (self-propelled); Refrigeration Plant Engineer (1000 tons & over); Signalman (Whirleys, Highline Hammerheads or similar); Grade Checker

GROUP 6: Asphalt Plant Operator; Automatic Subgrader (Ditches & Trimmers)(Autograde, ABC, R.A. Hansen & similar on grade wire); Backhoe (45,000 gw and over to 110,000 gw); Backhoes & Hoe Ram (3/4 yd. to 3 yd.); Batch Plant (over 4 units); Batch & Wet Mix Operator (multiple units, 2 & incl. 4); Blade Operator (motor patrol & attachments); Cable Controller (dispatcher); Compactor (self-propelled with blade); Concrete Pump Boom Truck; Concrete Slip Form Paver; Cranes (over 25 tons, to and including 45 tons), all attachments including clamshell, dragline; Crusher, Grizzle & Screening Plant Operator; Dozer, 834 R/T & similar; Drill Doctor; Loader Operator (front-end & overhead, 4 yds. incl. 8 yds.); Multiple Dozer Units with single blade; Paving Machine (asphalt and concrete); Quad-Track or similar equipment; Rollerman (finishing asphalt pavement); Roto Mill (pavement grinder); Scrapers, all, rubber-tired; Screed Operator; Shovel(under 3 yds.); Trenching Machines (7 ft. depth & over); Tug Boat Operator Vactor guzzler, super sucker; Lime Batch Tank Operator (Recycle Train); Lime Brain Operator (Recycle Train); Mobile Crusher Operator (Recycle Train)

GROUP 7: Backhoe (over 110,000 gw); Backhoes & Hoe Ram (3 yds & over); Blade (finish & bluetop) Automatic, CMI, ABC, Finish Athey & Huber & similar when used as automatic; Cableway Operators; Concrete Cleaning/Decontamination machine operator; Cranes (over 45 tons to but not including 85 tons), all attachments including clamshell and dragine; Derricks & Stiffleys (65 tons & over); Elevating Belt (Holland type); Heavy equipment robotics operator; Loader (360 degrees revolving Koehring Scooper or similar); Loaders (overhead & front-end, over 8 yds. to 10 yds.); Rubber-tired Scrapers (multiple engine with three or more scrapers); Shovels (3 yds. & over); Whirleys & Hammerheads, ALL; H.D. Mechanic; H.D. Welder; Hydraulic Platform Trailers (Goldhofer, Shaurerly and Similar); Ultra High

Pressure Wateriet Cutting Tool System Operator (30,000 psi); Vacuum Blasting Machine Operator

GROUP 8: Cranes (85 tons and over, and all climbing, overhead, rail and tower), all attachments including clamshell, dragline; Loaders (overhead and front-end, 10 yards and over); Helicopter Pilot

BOOM PAY: (All Cranes, Including Tower)
180 ft to 250 ft $ .50 over scale
Over 250 ft $ .80 over scale

NOTE:
In computing the length of the boom on Tower Cranes, they shall be measured from the base of the Tower to the point of the boom.

HAZMAT:
Anyone working on HAZMAT jobs, working with supplied air shall receive $1.00 an hour above classification.

ENGI0370-006 06/01/2008

ADAMS, ASOTIN, BENTON, CHELAN (EAST OF THE 120TH MERIDIAN), COLUMBIA, DOUGLAS (EAST OF THE 120TH MERIDIAN), FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN (EAST OF THE 120TH MERIDIAN), PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN AND YAKIMA (EAST OF THE 120TH MERIDIAN) COUNTIES

WORK PERFORMED ON HYDRAULIC DREDGES

	Rates	Fringes
Hydraulic Dredge		
GROUP 1:	$ 31.85	13.53
GROUP 2:	$ 32.36	13.53
GROUP 3:	$ 32.41	13.53
GROUP 4:	$ 33.98	13.53
GROUP 5:	$ 31.85	13.53
GROUP 6:	$ 31.98	13.53
GROUP 7:	$ 32.36	13.53

GROUP 1: Assistant Mate (Deckhand)
GROUP 2: Assistant Engineer (Electric, Diesel, Steam, or Booster Pump)
GROUP 3: Engineer Welder
GROUP 4: Leverman, Hydraulic
GROUP 5: Maintenance
GROUP 6: Oiler
GROUP 7: Mates & Boatman

HEAVY WAGE RATES APPLIES TO CLAM SHELL DREDGE, HOE AND DIPPER, SHOVELS AND SHOVEL ATTACHMENTS, CRANES AND BULLDOZERS.

ENGI0612-001 06/01/2007

LEWIS, PIERCE, PACIFIC (THAT PORTION WHICH LIES NORTH OF A PARALLEL LINE EXTENDED WEST FROM THE NORTHERN BOUNDARY OF WAHKAIKUM COUNTY TO THE SEA IN THE STATE OF WASHINGTON) AND THURSTON COUNTIES

PROJECTS:
CATEGORY A PROJECTS (excludes Category B projects, as shown below)

	Rates	Fringes
Power equipment operators:		

WORK PERFORMED ON
HYDRAULIC DREDGES: Total
Project cost $300,000 and
over

GROUP 1	$ 31.33	12.75
GROUP 2	$ 31.46	12.75
GROUP 3	$ 31.84	12.75
GROUP 4	$ 31.89	12.75
GROUP 5	$ 33.46	12.75
GROUP 6	$ 31.33	12.75

WORK PERFORMED ON
HYDRAULIC DREDGES: Total
Project Cost under $300,000

GROUP 1	$ 26.96	8.40
GROUP 2	$ 27.06	8.40
GROUP 3	$ 27.38	8.40
GROUP 4	$ 27.43	8.40
GROUP 5	$ 28.75	8.40
GROUP 6	$ 26.96	8.40

ZONE 2 (26-45 radius miles) - Add $.70 to Zone 1 rates
ZONE 3 (Over 45 radius miles) - Add $1.00 to Zone 1 rates

BASEPOINTS: Tacoma, Olympia, and Centralia

CATEGORY B PROJECTS - 95% of the basic hourly rate for each group plus full fringe benefits applicable to Category A projects shall apply to the following projects: Reduced rates may be paid on the following:
1. Projects involving work on structures such as buildings and structures whose total value is less than $1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than $1 million where no building is involved. Surfacing and paving included, but utilities excluded.
3. Marine projects (docks, wharfs, etc.) less than $150,000

WORK PERFORMED ON HYDRAULIC DREDGES:

GROUP 1: Assistant Mate (Deckhand
GROUP 2: Oiler
GROUP 3: Assistant Engineer (Electric, Diesel, Steam or Booster Pump); Mates and Boatmen
GROUP 4: Craneman, Engineer Welder
GROUP 5: Leverman, Hydraulic
GROUP 6: Maintenance

HEAVY WAGE RATES APPLIES TO CLAM SHEEL DREDGE, HOE AND DIPPER, SHOVELS AND SHOVEL ATTACHMENTS, CRANES AND BULLDOZERS

HANDLING OF HAZARDOUS WASTE MATERIALS

H-1 - When not outfitted with protective clothing of level D equipment - Base wage rate
H-2 - Class "C" Suit - Base wage rate + $.25 per hour
H-3 - Class "B" Suit - Base wage rate + $.50 per hour
H-4 - Class "A" Suit - Base wage rate +$.75 per hour

ENGI0612-002 06/01/2008

LEWIS, PIERCE, PACIFIC (portion lying north of a parallel line extending west from the northern boundary of Wahkaikum County to the sea) AND THURSTON COUNTIES

ON PROJECTS DESCRIBED IN FOOTNOTE A BELOW, THE RATE FOR EACH GROUP SHALL BE 90% OF THE BASE RATE PLUS FULL FRINGE BENEFITS. ON ALL OTHER WORK, THE FOLLOWING RATES APPLY.

Zone 1 (0-25 radius miles):

	Rates	Fringes
Power equipment operators:		
GROUP 1A	$ 34.51	13.95
GROUP 1AA	$ 35.08	13.95
GROUP 1AAA	$ 35.65	13.95
GROUP 1	$ 33.96	13.95
GROUP 2	$ 33.47	13.95
GROUP 3	$ 33.05	13.95
GROUP 4	$ 30.69	13.95

Zone Differential (Add to Zone 1 rates):
Zone 2 (26-45 radius miles) = $ .70
Zone 3 (Over 45 radius miles) - $1.00

BASEPOINTS: CENTRALIA, OLYMPIA, TACOMA

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1 AAA - Cranes-over 300 tons or 300 ft of boom (including jib with attachments)

GROUP 1AA - Cranes- 200 tonsto 300 tons, or 250 ft of boom (including jib with attachments; Tower crane over 175 ft in height, bas to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader- overhead, 6 yards to, but not including, 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9 HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self-propelled 45 yards and over; Slipform pavers; Transporters, all track or truck type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator-concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-Overhead, bridge type, 20 tons through 44 tons; Chipper; Concrete pump-truck mount with boom attachment; Crusher; Deck engineer/deck winches (power); Drilling machine; Excavator, shovel, backhoe-3 yards and under; Finishing machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Loaders, overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics- all; Mixers, asphalt plant; Motor patrol graders, finishing; Piledriver (other than crane mount); Roto-mill, roto-

grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar Green; Scraper-self- propelled, hard tail end dump, articulating off-road equipment- under 45 yards; Subgrader trimmer; Tractors, backhoe over 75 hp; Transfer material service machine-shuttle buggy, Blaw Knox- Roadtec; Truck Crane oiler/driver-100 tons and over; Truck Mount Portable Conveyor; Yo Yo pay

GROUP 3 - Conveyors; Cranes through 19 tons with attachments; Crane-A-frame over 10 tons; Drill oilers-auger type, truck or crane mount; Dozer-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside Hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loaders-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pump-Concrete; Roller, plant mix or multi-lfit materials; Saws-concrete; Scrapers, concrete and carry all; Service engineers-equipment; Trenching machines; Truck crane oiler/driver under 100 tons; Tractors, backhoe under 75 hp

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete Finish Machine-laser screed; Cranes A-frame 10 tons and under; Elevator and manlift (permanent and shaft type); Forklifts-under 3000 lbs. with attachments; Gradechecker, stakehop; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger-mechanical; Power plant; Pumps-water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

FOOTNOTE A- Reduced rates may be paid on the following:
1. Projects involving work on structures such as buildings and bridges whose total value is less than $1.5 million excluding mechanical, electrical, and utility portions of the contract.

2. Projects of less than $1 million where no building is involved. Surfacing and paving included, but utilities excluded.

3. Marine projects (docks, wharfs, etc.) less than $150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing
H-2 Class "C" Suit - Base wage rate plus $ .25 per hour.
H-3 Class "B" Suit - Base wage rate plus $ .50 per hour.
H-4 Class "A" Suit - Base wage rate plus $ .75 per hour.

ENGI0701-002 01/01/2009

CLARK, COWLITZ, KLICKKITAT, PACIFIC (SOUTH), SKAMANIA, AND WAHKIAKUM COUNTIES

POWER RQUIPMENT OPERATORS: ZONE 1

	Rates	Fringes
Power equipment operators:		
(See Footnote A)		
GROUP 1	$ 36.22	10.90
GROUP 1A	$ 38.03	10.90
GROUP 1B	$ 39.84	10.90
GROUP 2	$ 34.65	10.90
GROUP 3	$ 33.69	10.90
GROUP 4	$ 32.78	10.90
GROUP 5	$ 31.71	10.90
GROUP 6	$ 28.82	10.90

Zone Differential (add to Zone 1 rates):
Zone 2 - $2.50
Zone 3 - $5.00

For the following metropolitan counties: MULTNOMAH; CLACKAMAS; MARION; WASHINGTON; YAMHILL; AND COLUMBIA; CLARK; AND COWLITZ COUNTY, WASHINGTON WITH MODIFICATIONS AS INDICATED:

All jobs or projects located in Multnomah, Clackamas and Marion Counties, West of the western boundary of Mt. Hood National Forest and West of Mile Post 30 on Interstate 84 and West of Mile Post 30 on State Highway 26 and West of Mile Post 30 on Highway 22 and all jobs or projects located in Yamhill County, Washington County and Columbia County and all jobs or projects located in Clark & Cowlitz County, Washington except that portion of Cowlitz County in the Mt. St. Helens "Blast Zone" shall receive Zone I pay for all classifications.

All jobs or projects located in the area outside the identified boundary above, but less than 50 miles from the Portland City Hall shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the Portland City Hall, but outside the identified border above, shall receive Zone III pay for all classifications.

For the following cities: ALBANY; BEND; COOS BAY; EUGENE; GRANTS PASS; KLAMATH FALLS; MEDFORD; ROSEBURG

All jobs or projects located within 30 miles of the respective city hall of the above mentioned cities shall receive Zone I pay for all classifications.

All jobs or projects located more than 30 miles and less than 50 miles from the respective city hall of the above mentioned cities shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the respective city hall of the above mentioned cities shall receive Zone III pay for all classifications.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: CONCRETE: Batch Plant and/or Wet Mix Operator, three units or more; CRANE: Helicopter Operator, when used in erecting work; Whirley Operator, 90 ton and over; LATTICE BOOM CRANE: Operator 200 tons through 299 tons, and/or over 200 feet boom; HYDRAULIC CRANE: Hydraulic Crane Operator 90 tons through 199 tons with luffing or tower attachments; FLOATING EQUIPMENT: Floating Crane, 150 ton but less than 250 ton

GROUP 1A: HYDRAULIC CRANE: Hydraulic Operator, 200 tons and over (with luffing or tower attachment); LATTICE BOOM CRANE: Operator, 200 tons through 299 tons, with over 200 feet boom; FLOATING EQUIPMENT: Floating Crane 250 ton and over

GROUP 1B: LATTICE BOOM CRANE: Operator, 300 tons through 399 tons with over 200 feet boom; Operator 400 tons and over; FLOATING EQUIPMENT: Floating Crane 350 ton and over

GROUP 2: ASPHALT: Asphalt Plant Operator (any type); Roto Mill, pavement profiler, operator, 6 foot lateral cut and over; BLADE: Auto Grader or "Trimmer" (Grade Checker required); Blade Operator, Robotic; BULLDOZERS: Bulldozer operator over 120,000 lbs and above; Bulldozer operator, twin engine; Bulldozer Operator, tandem, quadnine, D10, D11, and similar type; Bulldozere Robotic Equipment (any type; CONCRETE: Batch Plant and/or Wet Mix Operator, one and two drum; Automatic Concrete Slip Form Paver Operator; Concrete Canal Line Operator; Concrete Profiler, Diamond Head; CRANE: Cableway Operator, 25 tons and over; HYDRAULIC CRANE: Hydraulic crane operator 90 tons through 199 tons (without luffing or tower attachment); TOWER/WHIRLEY OPERATOR: Tower Crane Operator; Whirley Operator, under 90 tons; LATTICE BOOM CRANE: 90 through 199 tons and/or 150 to 200 feet boom; CRUSHER: Crusher Plant Operator; FLOATING EQUIPMENT: Floating Clamshell, etc. operator, 3 cu. yds. and over; Floating Crane (derrick barge) Operator, 30 tons but less than 150 tons; LOADERS: Loader operator, 120,000 lbs. and above; REMOTE CONTROL: Remote controlled earth-moving equipment; RUBBER-TIRED SCRAPERS: Rubber-tired scraper operator, with tandem scrapers, multi-engine; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER OPERATOR: Shovel, Dragline, Clamshell, operator 5 cu. yds and over; TRENCHING MACHINE: Wheel Excavator, under 750 cu. yds. per hour (Grade Oiler required); Canal Trimmer (Grade Oiler required); Wheel Excavator, over 750 cu. yds. per hour; Band Wagon (in conjunction with wheel excavator); UNDERWATER EQUIPMENT: Underwater Equipment Operator, remote or otherwise; HYDRAULIC HOES-EXCAVATOR: Excavator over 130,000 lbs.; HYDRAULIC CRANE: Hydraulic crane operator, 50 tons through 89 tons (with luffing or tower attachment);

GROUP 3: BULLDOZERS: Bulldozer operator, over 70,000 lbs. up to and including 120,000 lbs.; HYDRAULIC CRANE: Hydraulic crane operator, 50 tons through 89 tons (without luffing or tower attachment); LATTICE BOOM CRANES: Lattice Boom Crane-50 through 89 tons (and less than 150 feet boom); FORKLIFT: Rock Hound Operator; HYDRAULIC HOES-EXCAVATOR: excavator over 80,000 lbs. through 130,000 lbs.; LOADERS: Loader operator 60,000 and less than 120,000; RUBBER-TIRED SCRAPERS: Scraper Operator, with tandem scrapers; Self-loading, paddle wheel, auger type, finish and/or 2 or more units; SHOVEL, DRAGLINE, CLAMSHELL,SKOOPER OPERATOR: Shovel, Dragline, Clamshell operators 3 cu. yds. but less than 5 cu yds.

GROUP 4: ASPHALT: Screed Operator; Asphalt Paver operator (screeman required); BLADE: Blade operator; Blade operator, finish; Blade operator, externally controlled by electronic, mechanical hydraulic means; Blade operator,

multi-engine; BULLDOZERS: Bulldozer Operator over 20,000 lbs and more than 100 horse up to 70,000 lbs; Drill Cat Operator; Side-boom Operator; Cable-Plow Operator (any type); CLEARING: Log Skidders; Chippers; Incinerator; Stump Splitter (loader mounted or similar type); Stump Grinder (loader mounted or similar type; Tub Grinder; Land Clearing Machine (Track mounted forestry mowing & grinding machine); Hydro Axe (loader mounted or similar type); COMPACTORS SELF-PROPELLED: Compactor Operator, with blade; Compactor Operator, multi-engine; Compactor Operator, robotic; CONCRETE: Mixer Mobile Operator; Screed Operator; Concrete Cooling Machine Operator; Concrete Paving Road Mixer; Concrete Breaker; Reinforced Tank Banding Machine (K-17 or similar types); Laser Screed; CRANE: Chicago boom and similar types; Lift Slab Machine Operator; Boom type lifting device, 5 ton capacity or less; Hoist Operator, two (2) drum; Hoist Operator, three (3) or more drums; Derrick Operator, under 100 ton; Hoist Operator, stiff leg, guy derrick or similar type, 50 ton and over; Cableway Operator up to twenty (25) ton; Bridge Crane Operator, Locomotive, Gantry, Overhead; Cherry Picker or similar type crane; Carry Deck Operator; Hydraulic Crane Operator, under 50 tons; LATTICE BOOM CRANE OPERATOR: Lattice Boom Crane Operator, under 50 tons; CRUSHER: Generator Operator; Diesel-Electric Engineer; Grizzley Operator; Drill Doctor; Boring Machine Operator; Driller-Percussion, Diamond, Core, Cable, Rotary and similar type; Cat Drill (John Henry); Directional Drill Operator over 20,000 lbs pullback; FLOATING EQUIPMENT: Diesel-electric Engineer; Jack Operator, elevating barges, Barge Operator, self-unloading; Piledriver Operator (not crane type) (Deckhand required); Floating Clamshelll, etc. Operator, under 3 cu. yds. (Fireman or Diesel-Electric Engineer required); Floating Crane (derrick barge) Operator, less than 30 tons; GENERATORS: Generator Operator; Diesel-electric Engineer; GUARDRAIL EQUIPMENT: Guardrail Punch Operator (all types); Guardrail Auger Operator (all types); Combination Guardrail machines, i.e., punch auger, etc.; HEATING PLANT: Surface Heater and Planer Operator; HYDRAULIC HOES EXCAVATOR: Robotic Hydraulic backhoe operator, track and wheel type up to and including 20,0000 lbs. with any or all attachments; Excavator Operator over 20,000 lbs through 80,000 lbs.; LOADERS: Belt Loaders, Kolman and Ko Cal types; Loaders Operator, front end and overhead, 25,000 lbs and less than 60,000 lbs; Elevating Grader Operator by Tractor operator, Sierra, Euclid or similar types; PILEDRIVERS: Hammer Operator; Piledriver Operator (not crane type); PIPELINE, SEWER WATER: Pipe Cleaning Machine Operator; Pipe Doping Machine Operator; Pipe Bending Machine Operator; Pipe Wrapping Machine Operator; Boring Machine Operator; Back Filling Machine Operator; REMOTE CONTROL: Concrete Cleaning Decontamination Machine Operator; Ultra High Pressure Water Jet Cutting Tool System Operator/Mechanic; Vacuum Blasting Machine Operator/mechanic; REPAIRMEN, HEAVY DUTY: Diesel Electric Engineer (Plant or Floating; Bolt Threading Machine operator; Drill Doctor (Bit Grinder); H.D. Mechanic; Machine Tool Operator; RUBBER-TIRED SCRAPERS: Rubber-tired Scraper Operator, single engine, single scraper; Self-loading, paddle wheel, auger type under 15 cu. yds.; Rubber-tired Scraper Operator, twin engine; Rubber-tired Scraper Operator, with push-pull attachments;

Self Loading, paddle wheel, auger type 15 cu. yds. and over, single engine; Water pulls, water wagons; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER OPERATOR: Diesel Electric Engineer; Stationary Drag Scraper Operator; Shovel, Dragline, Clamshell, Operator under 3 cy yds.; Grade-all Operator; SURFACE (BASE) MATERIAL: Blade mounted spreaders, Ulrich and similar types; TRACTOR-RUBBERED TIRED: Tractor operator, rubber-tired, over 50 hp flywheel; Tractor operator, with boom attachment; Rubber-tired dozers and pushers (Michigan, Cat, Hough type); Skip Loader, Drag Box; TRENCHING MACHINE: Trenching Machine operator, digging capacity over 3 ft depth; Back filling machine operator; TUNNEL: Mucking machine operator

GROUP 5: ASPHALT: Extrusion Machine Operator; Roller Operator (any asphalt mix); Asphalt Burner and Reconditioner Operator (any type); Roto-Mill, pavement profiler, ground man; BULLDOZERS: Bulldozer operator, 20,000 lbs. or less or 100 horse or less; COMPRESSORS: Compressor Operator (any power), over 1,250 cu. ft. total capacity; COMPACTORS: Compactor Operator, including vibratory; Wagner Pactor Operator or similar type (without blade); CONCRETE: Combination mixer and Compressor Operator, gunite work; Concrete Batch Plant Quality Control Operator; Beltcrete Operator; Pumpcrete Operator (any type); Pavement Grinder and/or Grooving Machine Operator (riding type); Cement Pump Operator, Fuller-Kenyon and similar; Concrete Pump Operator; Grouting Machine Operator; Concrete mixer operator, single drum, under (5) bag capacity; Cast in place pipe laying machine; maginnis Internal Full slab vibrator operator; Concrete finishing machine operator, Clary, Johnson, Bidwell, Burgess Bridge deck or similar type; Curb Machine Operator, mechanical Berm, Curb and/or Curb and Gutter; Concrete Joint Machine Operator; Concrete Planer Operator; Tower Mobile Operator; Power Jumbo Operator setting slip forms in tunnels; Slip Form Pumps, power driven hydraulic lifting device for concrete forms; Concrete Paving Machine Operator; Concrete Finishing Machine Operator; Concrete Spreader Operator; CRANE: Helicopter Hoist Operator; Hoist Operator, single drum; Elevator Operator; A-frame Truck Operator, Double drum; Boom Truck Operator; HYDRAULIC CRANE OPERATOR: Hydraulic Boom Truck, Pittman; DRILLING: Churm Drill and Earth Boring Machine Operator; Vacuum Truck; Directional Drill Operator over 20,000 lbs pullback; FLOATING EQUIPMENT: Fireman; FORKLIFT: Fork Lift, over 10 ton and/or robotic; HYDRAULIC HOES EXCAVATORS: Hydraulic Backhoe Operator, wheel type (Ford, John Deere, Case type); Hydraulic Backhoe Operator track type up to and including 20,000 lbs.; LOADERS: Loaders, rubber- tired type, less than 25,000 lbs; Elevating Grader Operator, Tractor Towed requiring Operator or Grader; Elevating loader operator, Athey and similar types; OILERS: Service oiler (Greaser); PIPELINE-SEWER WATER: Hydra hammer or similar types; Pavement Breaker Operator; PUMPS: Pump Operator, more than 5 (any size); Pot Rammer Operator; RAILROAD EQUIPMENT: Locomotive Operator, under 40 tons; Ballast Regulator Operator; Ballast Tamper Multi-Purpose Operator; Track Liner Operator; Tie Spacer Operator; Shuttle Car Operator; Locomotive Operator, 40 tons and over; MATERIAL HAULRS: Cat wagon DJBs Volvo similar types; Conveyored material hauler;

SURFACING (BASE) MATERIAL: Rock Spreaders, self-propelled; Pulva-mixer or similar types; Chip Spreading machine operator; Lime spreading operator, construction job siter; SWEEPERS: Sweeper operator (Wayne type) self-propelled construction job site; TRACTOR-RUBBER TIRED: Tractor operator, rubber-tired, 50 hp flywheel and under; Trenching machine operator, maximum digging capacity 3 ft depth; TUNNEL: Dinkey

GROUP 6: ASPHALT: Plant Oiler; Plant Fireman; Pugmill Operator (any type); Truck mounted asphalt spreader, with screed; COMPRESSORS: Compressor Operator (any power), under 1,250 cu. ft. total capacity; CONCRETE: Plant Oiler, Assistant Conveyor Operator; Conveyor Operator; Mixer Box Operator (C.T.B., dry batch, etc.); Cement Hog Operator; Concrete Saw Operator; Concrete Curing Machine Operator (riding type); Wire Mat or Brooming Machine Operator; CRANE: Oiler; Fireman, all equipment; Truck Crane Oiler Driver; A-frame Truck Operator, single drum; Tugger or Coffin Type Hoist Operator; CRUSHER: Crusher Oiler; Crusher Feederman; CRUSHER: Crusher oiler; Crusher feederman; DRILLING: Drill Tender; Auger Oiler; FLOATING EQUIPMENT: Deckhand; Boatman; FORKLIFT: Self-propelled Scaffolding Operator, construction job site (excluding working platform); Fork Lift or Lumber Stacker Operator, construction job site; Ross Carrier Operator, construction job site; Lull Hi-Lift Operator or Similar Type; GUARDRAIL EQUIPMENT: Oiler; Auger Oiler; Oiler, combination guardrail machines; Guardrail Punch Oiler; HEATING PLANT: Temporary Heating Plant Operator; LOADERS: Bobcat, skid steer (less than 1 cu yd.); Bucket Elevator Loader Operator, BarberGreene and similar types; OILERS: Oiler; Guardrail Punch Oiler; Truck Crane Oiler-Driver; Auger Oiler; Grade Oiler, required to check grade; Grade Checker; Rigger; PIPELINE-SEWER WATER: Tar Pot Fireman; Tar Pot Fireman (power agitated); PUMPS: Pump Operator (any power); Hydrostatic Pump Operator; RAILROAD EQUIPMENT: Brakeman; Oiler; Switchman; Motorman; Ballast Jack Tamper Operator; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER, ETC. OPERATOR: Oiler, Grade Oiler (required to check grade); Grade Checker; Fireman; SWEEPER: Broom operator, self propelled, construction job site; SURFACING (BASE) MATERIAL: Roller Operator, grading of base rock (not asphalt); Tamping Machine operator, mechanical, self-propelled; Hydrographic Seeder Machine Operator; TRENCHING MACHINE: Oiler; Grade Oiler; TUNNEL: Conveyor operator; Air filtration equipment operator

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* ENGI0701-003 01/01/2009

CLARK, COWLITZ, KLICKITAT, PACIFIC (SOUTH), SKAMANIA, AND WAHKIAKUM COUNTIES

DREDGING:

	Rates	Fringes
Dredging:		
ZONE A		
ASSISTANT ENGINEER.....	$ 37.30	10.80
ASSISTANT MATE.....	$ 32.96	10.80
LEVERMAN, DIPPER, FLOATING CLAMSHELL.....	$ 39.88	10.80

LEVERMAN, HYDRAULIC.....$ 39.88 10.80
TENDERMAN.....$ 36.12 10.80
ZONE B
ASSISTANT ENGINEER.....$ 39.80 10.80
ASSISTANT MATE.....$ 35.46 10.80
LEVERMAN, DIPPER,
FLOATING CLAMSHELL.....$ 42.38 10.80
LEVERMAN, HYDRAULIC.....$ 42.38 10.80
TENDERMAN.....$ 38.62 10.80
ZONE C
ASSISTANT ENGINEER.....$ 41.30 10.80
ASSISTANT MATE.....$ 36.96 10.80
LEVERMAN, DIPPER,
FLOATING CLAMSHELL.....$ 43.88 10.80
LEVERMAN, HYDRAULIC.....$ 43.88 10.80
TENDERMAN.....$ 40.12 10.80

ZONE DESCRIPTION FOR DREDGING:

ZONE A - All jobs or projects located within 30 road miles of Portland City Hall.
ZONE B - Over 30-60 road miles from Portland City Hall.
ZONE C - Over 60 road miles from Portland City Hall.

*All jobs or projects shall be computed from the city hall by the shortest route to the geographical center of the project.

IRON0014-005 07/01/2008

ADAMS, ASOTIN, BENTON, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND ORIELLE, SPOKANE, STEVENS, WALLA WALLA AND WHITMAN COUNTIES

	Rates	Fringes
IRONWORKER	$ 29.52	17.87

IRON0029-002 07/01/2008

CLARK, COWLITZ, KLICKITAT, PACIFIC, SKAMANIA, AND WAHKAIKUM COUNTIES

	Rates	Fringes
IRONWORKER	$ 31.65	17.87

IRON0086-002 07/01/2008

YAKIMA, KITTITAS AND CHELAN COUNTIES

	Rates	Fringes
IRONWORKER	$ 30.00	17.87

IRON0086-004 07/01/2008

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PIERCE, SKAGIT, SNOHOMISH, THURSTON, AND WHATCOM COUNTIES

	Rates	Fringes
IRONWORKER	$ 34.40	17.87

LABO0001-002 06/01/2008

ZONE 1:

	Rates	Fringes
Laborers:		
CALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (NORTH OF STRAIGHT LINE MADE BY EXTENDING THE NORTH BOUNDARY WAHKIAKUM COUNTY WEST TO THE PACIFIC OCEAN), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES		
GROUP 1	$ 21.19	8.46
GROUP 2	$ 24.01	8.46
GROUP 3	$ 29.66	8.46
GROUP 4	$ 30.37	8.46
GROUP 5	$ 30.85	8.46
CHELAN, DOUGLAS (WEST OF THE 120TH MERIDIAN), KITTITAS AND YAKIMA COUNTIES		
GROUP 1	$ 17.45	8.46
GROUP 2	$ 19.97	8.46
GROUP 3	$ 21.85	8.46
GROUP 4	$ 22.37	8.46
GROUP 5	$ 22.76	8.46

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
ZONE 2 - $ .70
ZONE 3 - $1.00

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

ZONE 1 - Projects within 25 radius miles of the respective city hall
ZONE 2 - More than 25 but less than 45 radius miles from the respective city hall
ZONE 3 - More than 45 radius miles from the respective city hall

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT, TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT. TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective city hall
ZONE 2 - More than 25 but less than 45 radius miles from the respective city hall
ZONE 3 - More than 45 radius miles from the respective city hall

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window Washer/Cleaner (detail clean-up, such as but not limited to cleaning floors, ceilings, walls, windows, etc., prior to final acceptance by the owner)

GROUP 2: Batch Weighman; Crusher Feeder; Fence Laborer; Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer;

Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, airtrac); Faller and Bucker Chain Saw; Grade Checker and Transit Person; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B); High Scaler; Jackhammer; Laser beam Operator; Manhole Builder-Mudman; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and gas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Miner; Mortarman and Hodcarrier; Powderman; Re-Timberman; Hazardous Waste Worker (Level A).

LABO0238-004 06/01/2008

ADAMS, ASOTIN, BENTON, COLUMBIA, DOUGLAS (EAST OF THE 120TH MERIDIAN), FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND OREILLE, STEVENS, SPOKANE, WALLA WALLA AND WHITMAN COUNTIES

	Rates	Fringes
Laborers:		
ZONE 1:		
GROUP 1	$ 20.56	7.70
GROUP 2	$ 22.66	7.70
GROUP 3	$ 22.93	7.70
GROUP 4	$ 23.20	7.70
GROUP 5	$ 23.48	7.70
GROUP 6	$ 24.85	7.70

Zone Differential (Add to Zone 1 rate): $2.00

BASE POINTS: Spokane, Pasco, Lewiston

Zone 1: 0-45 radius miles from the main post office.
Zone 2: 45 radius miles and over from the main post office.

LABORERS CLASSIFICATIONS

GROUP 1: Flagman; Landscape Laborer; Scaleman; Traffic Control Maintenance Laborer (to include erection and maintenance of barricades, signs and relief of flagperson); Window Washer/Cleaner (detail cleanup, such as, but not

limited to cleaning floors, ceilings, walls, windows, etc. prior to final acceptance by the owner)

GROUP 2: Asbestos Abatement Worker; Brush Hog Feeder; Carpenter Tender; Cement Handler; Clean-up Laborer; Concrete Crewman (to include stripping of forms, hand operating jacks on slip form construction, application of concrete curing compounds, pumpcrete machine, signaling, handling the nozzle of squeezcrete or similar machine,6 inches and smaller); Confined Space Attendant; Concrete Signalman; Crusher Feeder; Demolition (to include clean-up, burning, loading, wrecking and salvage of all material); Dumpman; Fence Erector; Firewatch; Form Cleaning Machine Feeder, Stacker; General Laborer; Grout Machine Header Tender; Guard Rail (to include guard rails, guide and reference posts, sign posts, and right-of-way markers); Hazardous Waste Worker, Level D (no respirator is used and skin protection is minimal); Miner, Class "A" (to include all bull gang, concrete crewman, dumpman and pumpcrete crewman, including distributing pipe, assembly & dismantle, and nipper); Nipper; Riprap Man; Sandblast Tailhoseman; Scaffold Erector (wood or steel); Stake Jumper; Structural Mover (to include separating foundation, preparation, cribbing, shoring, jacking and unloading of structures); Tailhoseman (water nozzle); Timber Bucker and Faller (by hand); Track Laborer (RR); Truck Loader; Well-Point Man; All Other Work Classifications Not Specially Listed Shall Be Classified As General Laborer

GROUP 3: Aspahlt Raker; Asphalt Roller, walking; Cement Finisher Tender; Concrete Saw, walking; Demolition Torch; Dope Pot Firemen, non-mechanical; Driller Tender (when required to move and position machine); Form Setter, Paving; Grade Checker using level; Hazardous Waste Worker, Level C (uses a chemical "splash suit" and air purifying respirator); Jackhammer Operator; Miner, Class "B" (to include brakeman, finisher, vibrator, form setter); Nozzleman (to include squeeze and flo-crete nozzle); Nozzleman, water, air or steam; Pavement Breaker (under 90 lbs.); Pipelayer, corrugated metal culvert; Pipelayer, multi- plate; Pot Tender; Power Buggy Operator; Power Tool Operator, gas, electric, pneumatic; Railroad Equipment, power driven, except dual mobile power spiker or puller; Railroad Power Spiker or Puller, dual mobile; Rodder and Spreader; Tamper (to include operation of Barco, Essex and similar tampers); Trencher, Shawnee; Tugger Operator; Wagon Drills; Water Pipe Liner; Wheelbarrow (power driven)

GROUP 4: Air and Hydraulic Track Drill; Brush Machine (to include horizontal construction joint cleanup brush machine, power propelled); Caisson Worker, free air; Chain Saw Operator and Faller; Concrete Stack (to include laborers when laborers working on free standing concrete stacks for smoke or fume control above 40 feet high); Gunite (to include operation of machine and nozzle); Hazardous Waste Worker, Level B (uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); High Scaler; Laser Beam Operator (to include grade checker and elevation control); Miner, Class C (to include miner, nozzleman for concrete, laser beam operator and rigger on tunnels);

Monitor Operator (air track or similar mounting); Mortar Mixer; Nozzleman (to include jet blasting nozzleman, over 1,200 lbs., jet blast machine power propelled, sandblast nozzle); Pavement Breaker (90 lbs. and over); Pipelayer (to include working topman, caulker, collarman, jointer, mortarman, rigger, jacker, shorer, valve or meter installer); Pipewrapper; Plasterer Tender; Vibrators (all)

GROUP 5 - Drills with Dual Masts; Hazardous Waste Worker, Level A (utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line); Miner Class "D", (to include raise and shaft miner, laser beam operator on riases and shafts)

GROUP 6 - Powderman

LABO0238-006 06/01/2008

COUNTIES EAST OF THE 120TH MERIDIAN: ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND OREILLE, STEVENS, SPOKANE, WALLA WALLA, WHITMAN

	Rates	Fringes
Hod Carrier	$ 24.10	7.70

LABO0335-001 06/01/2008

CLARK, COWLITZ, KLICKITAT, PACIFIC (SOUTH OF A STRAIGHT LINE MADE BY EXTENDING THE NORTH BOUNDARY LINE OF WAHKIAKUM COUNTY WEST TO THE PACIFIC OCEAN), SKAMANIA AND WAHKIAKUM COUNTIES

	Rates	Fringes
Laborers:		
ZONE 1:		
GROUP 1	$ 27.46	8.40
GROUP 2	$ 28.06	8.40
GROUP 3	$ 28.50	8.40
GROUP 4	$ 28.88	8.40
GROUP 5	$ 24.96	8.40
GROUP 6	$ 22.54	8.40
GROUP 7	$ 19.34	8.40

Zone Differential (Add to Zone 1 rates):
Zone 2 $ 0.65
Zone 3 - 1.15
Zone 4 - 1.70
Zone 5 - 2.75

BASE POINTS: GOLDENDALE, LONGVIEW, AND VANCOUVER

ZONE 1: Projects within 30 miles of the respective city all.
ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.
ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.
ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.
ZONE 5: More than 80 miles from the respective city hall.

LABORERS CLASSIFICATIONS

GROUP 1: Asphalt Plant Laborers; Asphalt Spreaders; Batch Weighman; Broomers; Brush Burners and Cutters; Car and Truck Loaders; Carpenter Tender; Change-House Man or Dry

Shack Man; Choker Setter; Clean-up Laborers; Curing, Concrete; Demolition, Wrecking and Moving Laborers; Dumpers, road oiling crew; Dumpmen (for grading crew); Elevator Feeders; Guard Rail, Median Rail Reference Post, Guide Post, Right of Way Marker; Fine Graders; Fire Watch; Form Strippers (not swinging stages); General Laborers; Hazardous Waste Worker; Leverman or Aggregate Spreader (Flaherty and similar types); Loading Spotters; Material Yard Man (including electrical); Pittsburgh Chipper Operator or Similar Types; Railroad Track Laborers; Ribbon Setters (including steel forms); Rip Rap Man (hand placed); Road Pump Tender; Sewer Labor; Signalman; Skipman; Slopers; Spraymen; Stake Chaser; Stockpiler; Tie Back Shoring; Timber Faller and Bucker (hand labor); Toolroom Man (at job site); Tunnel Bullgang (above ground); Weight-Man- Crusher (aggregate when used)

GROUP 2: Applicator (including pot power tender for same), applying protective material by hand or nozzle on utility lines or storage tanks on project; Brush Cutters (power saw); Burners; Choker Splicer; Clary Power Spreader and similar types; Clean- up Nozzleman-Green Cutter (concrete, rock, etc.); Concrete Power Buggyman; Concrete Laborer; Crusher Feeder; Demolition and Wrecking Charred Materials; Gunite Nozzleman Tender; Gunite or Sand Blasting Pot Tender; Handlers or Mixers of all Materials of an irritating nature (including cement and lime); Tool Operators (includes but not limited to: Dry Pack Machine; Jackhammer; Chipping Guns; Paving Breakers); Pipe Doping and Wrapping; Post Hole Digger, air, gas or electric; Vibrating Screed; Tampers; Sand Blasting (Wet); Stake-Setter; Tunnel-Muckers, Brakemen, Concrete Crew, Bullgang (underground)

GROUP 3: Asbestos Removal; Bit Grinder; Drill Doctor; Drill Operators, air tracks, cat drills, wagon drills, rubber-mounted drills, and other similar types including at crusher plants; Gunite Nozzleman; High Scalers, Strippers and Drillers (covers work in swinging stages, chairs or belts, under extreme conditions unusual to normal drilling, blasting, barring-down, or sloping and stripping); Manhole Builder; Powdermen; Concrete Saw Operator; Pwdermen; Power Saw Operators (Bucking and Falling); Pumpcrete Nozzlemen; Sand Blasting (Dry); Sewer Timberman; Track Liners, Anchor Machines, Ballast Regulators, Multiple Tampers, Power Jacks, Tugger Operator; Tunnel-Chuck Tenders, Nippers and Timbermen; Vibrator; Water Blaster

GROUP 4: Asphalt Raker; Concrete Saw Operator (walls); Concrete Nozzelman; Grade Checker; Pipelayer; Laser Beam (pipelaying)-applicable when employee assigned to move, set up, align; Laser Beam; Tunnel Miners; Motorman-Dinky Locomotive-Tunnel; Powderman-Tunnel; Shield Operator-Tunnel

GROUP 5: Traffic Flaggers

GROUP 6: Fence Builders

GROUP 7: Landscaping or Planting Laborers

LABO0335-010 06/01/2008

	Rates	Fringes
Hod Carrier	$ 29.58	8.40

PAIN0005-002 06/01/2008

STATEWIDE EXCEPT CLARK, COWLITZ, KLICKITAT, PACIFIC (SOUTH), SKAMANIA, AND WAHKIAKUM COUNTIES

	Rates	Fringes
Painters:		
STRIPERS	$ 26.50	11.40

PAIN0005-004 07/01/2007

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES

	Rates	Fringes
PAINTER	$ 19.91	6.85

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* PAIN0005-006 07/01/2008

ADAMS, ASOTIN; BENTON AND FRANKLIN (EXCEPT HANFORD SITE); CHELAN, COLUMBIA, DOUGLAS, FERRY, GARFIELD, GRANT, KITTITAS, LINCOLN, OKANOGAN, PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN AND YAKIMA COUNTIES

	Rates	Fringes
Painters:		
Application of Cold Tar Products, Epoxies, Polyure thanes, Acids, Radiation Resistant Material, Water and Sandblasting, Bridges, Towers, Tanks, Stacks, Steeples	$ 20.84	7.88
Over 30'/Swing Stage Work	$ 21.54	7.88
Brush, Roller, Striping, Steam-cleaning and Spray	$ 15.09	6.68
Lead Abatement, Asbestos Abatement	$ 20.84	7.88
TV Radio, Electrical Transmission Towers	$ 21.59	7.88
Over 30'/Swing Stage Work	$ 22.29	7.88

*$.70 shall be paid over and above the basic wage rates listed for work on swing stages and high work of over 30 feet.

PAIN0055-002 10/01/2008

CLARK, COWLITZ, KLICKITAT, PACIFIC, SKAMANIA, AND WAHKIAKUM COUNTIES

	Rates	Fringes
Painters:		
Brush & Roller	$ 19.69	7.14
High work - All work 60 ft. or higher	$ 20.44	7.14
Spray and Sandblasting	$ 20.29	7.14

PAIN0055-007 06/01/2007

CLARK, COWLITZ, KLICKITAT, SKAMANIA and WAHKIAKUM COUNTIES

	Rates	Fringes
Painters:		
HIGHWAY & PARKING LOT STRIPER	$ 28.27	8.27

PLAS0072-004 06/01/2007

ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT, KITTITAS, LINCOLN, OKANOGAN, PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN, AND YAKIMA COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
ZONE 1:	$ 24.68	7.98

Zone Differential (Add to Zone 1 rate): Zone 2 - $2.00

BASE POINTS: Spokane, Pasco, Moses Lake, Lewiston
Zone 1: 0 - 45 radius miles from the main post office
Zone 2: Over 45 radius miles from the main post office

PLAS0528-001 06/01/2008

CLALLAM, COWLITZ, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC, PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON, WAHKIAKUM AND WHATCOM COUNTIES

	Rates	Fringes
Cement Masons:		
CEMENT MASON	$ 34.68	12.13
COMPOSITION, COLOR MASTIC, TROWEL MACHINE, GRINDER, POWER TOOLS, GUNNITE NOZZLE	$ 35.18	12.13
TROWLING MACHINE OPERATOR ON COLORED SLABS, COMPOSITION OR KALMAN FLOORS	$ 36.18	12.13

PLAS0555-002 06/01/2008

CLARK, KLICKITAT AND SKAMANIA COUNTIES

ZONE 1:

	Rates	Fringes
Cement Masons:		
CEMENT MASONS DOING BOTH COMPOSITION/POWER MACHINERY AND SUSPENDED/HANGING SCAFFOLD	$ 27.87	14.83
CEMENT MASONS ON SUSPENDED, SWINGING AND/OR HANGING SCAFFOLD	$ 27.34	14.83
CEMENT MASONS	$ 26.80	14.83
COMPOSITION WORKERS AND POWER MACHINERY OPERATORS	$ 27.34	14.83

Zone Differential (Add To Zone 1 Rates):
Zone 2 - $0.65

Zone 3 - 1.15
Zone 4 - 1.70
Zone 5 - 3.00

BASE POINTS: BEND, CORVALLIS, EUGENE, MEDFORD, PORTLAND, SALEM, THE DALLES, VANCOUVER

ZONE 1: Projects within 30 miles of the respective city hall
ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.
ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.
ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.
ZONE 5: More than 80 miles from the respective city hall

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* PLUM0032-002 01/01/2009

CLALLAM, KING AND JEFFERSON COUNTIES

	Rates	Fringes
Plumbers and Pipefitters	$ 43.68	18.06

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* PLUM0032-003 01/01/2009

CHELAN, KITTITAS (NORTHERN TIP), DOUGLAS (NORTH), AND OKANOGAN (NORTH) COUNTIES

	Rates	Fringes
Plumbers and Pipefitters	$ 31.46	14.61

PLUM0044-003 06/01/2007

ADAMS (NORTHERN PART), ASOTIN (CLARKSTON ONLY), FERRY (EASTERN PART), LINCOLN, PEND ORIELLE, STEVENS, SPOKANE, AND WHITMAN COUNTIES

	Rates	Fringes
Plumbers and Pipefitters		
ADAMS (NORTHERN PART), ASOTIN (CLARKSTON ONLY), FERRY (EASTERN PART), LINCOLN, PEND ORIELLE AND STEVENS AND SPOKANE COUNTIES	$ 30.14	12.81
WHITMAN COUNTY	$ 36.24	12.81

PLUM0082-001 06/01/2007

CLARK (NORTHERN TIP INCLUDING WOODLAND), COWLITZ, GRAYS HARBOR, LEWIS, MASON (EXCLUDING NE SECTION), PACIFIC, PIERCE SKAMANIA, THURSTON AND WAHKIAKUM COUNTIES

	Rates	Fringes
Plumbers and Pipefitters	$ 35.55	15.32

PLUM0265-003 06/01/2007

ISLAND, SKAGIT, SNOHOMISH, SAN JUAN AND WHATCOM COUNTIES

	Rates	Fringes
Plumbers and Pipefitters	$ 35.55	15.32

PLUM0290-003 10/01/2008

CLARK (ALL EXCLUDING NORTHERN TIP INCLUDING CITY OF WOODLAND)

	Rates	Fringes
Plumbers and Pipefitters	$ 35.69	16.99

PLUM0598-005 06/01/2008

ADAMS (SOUTHERN PART), ASOTIN (EXCLUDING THE CITY OF CLARKSTON), BENTON, COLUMBIA, DOUGLAS (EASTERN HALF), FERRY (WESTERN PART), FRANKLIN, GARFIELD, GRANT, KITTITAS (ALL BUT NORTHERN TIP), KLICKITAT, LINCOLN (WESTERN PART), OKANOGAN (EASTERN), WALLA WALLA AND YAKIMA COUNTIES

	Rates	Fringes
PLUMBER	$ 38.64	19.10

PLUM0631-001 06/01/2007

MASON (NE SECTION), AND KITSAP COUNTIES

	Rates	Fringes
Plumbers and Pipefitters		
All new construction, additions, and remodeling of commercial building projects such as: cocktail lounges and taverns, professional buildings, medical clinics, retail stores, hotels and motels, restaurants and fast food types, gasoline service stations, and car washes where the plumbing and mechanical cost of the project is less than $100,000	$ 27.39	11.18
All other work where the plumbing and mechanical cost of the project is $100,000 and over	$ 34.90	15.32

TEAM0037-002 06/01/2008

CLARK, COWLITZ, KLICKITAT, PACIFIC (South of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), SKAMANIA, AND WAHKIAKUM COUNTIES

	Rates	Fringes
Truck drivers:		
ZONE 1		
GROUP 1	$ 26.40	11.91
GROUP 2	$ 26.52	11.91
GROUP 3	$ 26.65	11.91
GROUP 4	$ 26.91	11.91
GROUP 5	$ 27.13	11.91
GROUP 6	$ 27.29	11.91
GROUP 7	$ 27.49	11.91

Zone Differential (Add to Zone 1 Rates):
Zone 2 - $0.65
Zone 3 - 1.15
Zone 4 - 1.70
Zone 5 - 2.75

BASE POINTS: ASTORIA, THE DALLES, LONGVIEW AND VANCOUVER

ZONE 1: Projects within 30 miles of the respective city hall.

ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.

ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.

ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.

ZONE 5: More than 80 miles from the respective city hall.

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: A Frame or Hydra lift truck w/load bearing surface; Articulated Dump Truck; Battery Rebuilders; Bus or Manhaul Driver; Concrete Buggies (power operated); Concrete Pump Truck; Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations there of: up to and including 10 cu. yds.; Lift Jitneys, Fork Lifts (all sizes in loading, unloading and transporting material on job site); Loader and/or Leverman on Concrete Dry Batch Plant (manually operated); Pilot Car; Pickup Truck; Solo Flat Bed and misc. Body Trucks, 0-10 tons; Truck Tender; Truck Mechanic Tender; Water Wagons (rated capacity) up to 3,000 gallons; Transit Mix and Wet or Dry Mix - 5 cu. yds. and under; Lubrication Man, Fuel Truck Driver, Tireman, Wash Rack, Steam Cleaner or combinations; Team Driver; Slurry Truck Driver or Leverman; Tireman

GROUP 2: Boom Truck/Hydra-lift or Retracting Crane; Challenger; Dumpsters or similar equipment all sizes; Dump Trucks/Articulated Dumps 6 cu to 10 cu.; Flaherty Spreader Driver or Leverman; Lowbed Equipment, Flat Bed Semi-trailer or doubles transporting equipment or wet or dry materials; Lumber Carrier, Driver-Straddle Carrier (used in loading, unloading and transporting of materials on job site); Oil Distributor Driver or Leverman; Transit mix and wet or dry mix trcuks: over 5 cu. yds. and including 7 cu. yds.; Vacuum Trucks; Water truck/Wagons (rated capacity) over 3,000 to 5,000 gallons

GROUP 3: Ammonia Nitrate Distributor Driver; Dump trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 10 cu. yds. and including 30 cu. yds. includes Articulated Dump Trucks; Self-Propelled Street Sweeper; Transit mix and wet or dry mix truck: over 7 cu yds. and including 11 cu yds.; Truck Mechanic-Welder-Body Repairman; Utility and Clean-up Truck; Water Wagons (rated capacity) over 5,000 to 10,000 gallons

GROUP 4: Asphalt Burner; Dump Trucks, side, end and bottom cumps, including Semi-Trucks and Trains or combinations thereof: over 30 cu. yds. and including 50 cu. yds. includes Articulated Dump Trucks; Fire Guard; Transit Mix and Wet or Dry Mix Trucks, over 11 cu. yds. and including 15 cu. yds.; Water Wagon (rated capacity) over 10,000 gallons to 15,000 gallons

GROUP 5: Composite Crewman; Dump Trucks, side, end and

bottom dumps, including Semi Trucks and Trains or combinations thereof: over 50 cu. yds. and including 60 cu. yds. includes Articulated Dump Trucks

GROUP 6: Bulk Cement Spreader w/o Auger; Dry Pre-Batch concrete Mix Trucks; Dump trucks, side, end and bottom dumps, including Semi Trucks and Trains of combinations thereof: over 60 cu. yds. and including 80 cu. yds., and includes Articulated Dump Trucks; Skid Truck

GROUP 7: Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 80 cu. yds. and including 100 cu. yds., includes Articulated Dump Trucks; Industrial Lift Truck (mechanical tailgate)

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* TEAM0174-001 06/01/2008

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (North of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES

	Rates	Fringes
Truck drivers:		
ZONE A:		
GROUP 1:.....	$ 31.37	12.88
GROUP 2:.....	$ 30.57	12.88
GROUP 3:.....	$ 27.90	12.88
GROUP 4:.....	$ 23.17	12.88
GROUP 5:.....	$ 30.95	12.88

ZONE B (25-45 miles from center of listed cities*): Add $.70 per hour to Zone A rates.
ZONE C (over 45 miles from centr of listed cities*): Add $1.00 per hour to Zone A rates.

*Zone pay will be calculated from the city center of the following listed cities:

BELLINGHAM	CENTRALIA	RAYMOND	OLYMPIA
EVERETT	SHELTON	ANACORTES	BELLEVUE
SEATTLE	PORT ANGELES	MT. VERNON	KENT
TACOMA	PORT TOWNSEND	ABERDEEN	BREMERTON

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1 - "A-frame or Hydralift" trucks and Boom trucks or similar equipment when "A" frame or "Hydralift" and Boom truck or similar equipment is used; Buggymobile; Bulk Cement Tanker; Dumpsters and similar equipment, Tournorockers, Tournowagon, Tournotrailer, Cat DW series, Terra Cobra, Le Tourneau, Westinghouse, Athye Wagon, Euclid Two and Four-Wheeled power tractor with trailer and similar top-loaded equipment transporting material: Dump Trucks, side, end and bottom dump, including semi-trucks and trains or combinations thereof with 16 yards to 30 yards capacity: Over 30 yards $.15 per hour additional for each 10 yard increment; Explosive Truck (field mix) and similar equipment; Hyster Operators (handling bulk loose aggregates); Lowbed and Heavy Duty Trailer; Road Oil Distributor Driver; Spreader, Flaherty Transit mix used exclusively in heavy construction; Water Wagon and Tank

Truck-3,000 gallons and over capacity

GROUP 2 - Bulllifts, or similar equipment used in loading or unloading trucks, transporting materials on job site; Dumpsters, and similar equipment, Tournorockers, Tournowagon, Turnotrailer, Cat. D.W. Series, Terra Cobra, Le Tourneau, Westinghouse, Athye wagon, Euclid two and four-wheeled power tractor with trailer and similar top-loaded equipment transporting material: Dump trucks, side, end and bottom dump, including semi-trucks and trains or combinations thereof with less than 16 yards capacity; Flatbed (Dual Rear Axle); Grease Truck, Fuel Truck, Greaser, Battery Service Man and/or Tire Service Man; Leverman and loader at bunkers and batch plants; Oil tank transport; Scissor truck; Slurry Truck; Sno-Go and similar equipment; Swampers; Straddler Carrier (Ross, Hyster) and similar equipment; Team Driver; Tractor (small, rubber-tired)(when used within Teamster jurisdiction); Vacuum truck; Water Wagon and Tank trucks-less than 3,000 gallons capacity; Winch Truck; Wrecker, Tow truck and similar equipment

GROUP 3 - Flatbed (single rear axle); Pickup Sweeper; Pickup Truck. (Adjust Group 3 upward by $2.00 per hour for onsite work only)

GROUP 4 - Escort or Pilot Car

GROUP 5 - Mechanic

HAZMAT PROJECTS

Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in addition to the classification working in as follows:

LEVEL C: +$.25 per hour - This level uses an air purifying respirator or additional protective clothing.

LEVEL B: +$.50 per hour - Uses same respirator protection as Level A. Supplied air line is provided in conjunction with a chemical "splash suit."

LEVEL A: +$.75 per hour - This level utilizes a fully-encapsulated suit with a self-contained breathing apparatus or a supplied air line.

TEAM0760-002 06/01/2008

ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT KITTITAS, LINCOLN, OKANOGAN, PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN AND YAKIMA COUNTIES

	Rates	Fringes
Truck drivers: (ANYONE WORKING ON HAZMAT JOBS SEE FOOTNOTE A BELOW)		
ZONE 1:		
GROUP 1	$ 20.02	11.05
GROUP 2	$ 22.29	11.05
GROUP 3	$ 22.79	11.05
GROUP 4	$ 23.12	11.05
GROUP 5	$ 23.23	11.05
GROUP 6	$ 23.40	11.05

GROUP 7.....$ 23.93 11.05
GROUP 8.....$ 24.26 11.05

Zone Differential (Add to Zone 1 rate: Zone 2 - $2.00)

BASE POINTS: Spokane, Moses Lake, Pasco, Lewiston
Zone 1: 0-45 radius miles from the main post office.
Zone 2: Outside 45 radius miles from the main post office

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Escort Driver or Pilot Car; Employee Haul; Power Boat Hauling Employees or Material

GROUP 2: Fish Truck; Flat Bed Truck; Fork Lift (3000 lbs. and under); Leverperson (loading trucks at bunkers); Trailer Mounted Hydro Seeder and Mulcher; Seeder & Mulcher; Stationary Fuel Operator; Tractor (small, rubber-tired, pulling trailer or similar equipment)

GROUP 3: Auto Crane (2000 lbs. capacity); Buggy Mobile & Similar; Bulk Cement Tanks & Spreader; Dumptor (6 yds. & under); Flat Bed Truck with Hydraullic System; Fork Lift (3001-16,000 lbs.); Fuel Truck Driver, Steamcleaner & Washer; Power Operated Sweeper; Rubber-tired Tunnel Jumbo; Scissors Truck; Slurry Truck Driver; Straddle Carrier (Ross, Hyster, & similar); Tireperson; Transit Mixers & Truck Hauling Concrete (3 yd. to & including 6 yds.); Trucks, side, end, bottom & articulated end dump (3 yards to and including 6 yds.); Warehouseperson (to include shipping & receiving); Wrecker & Tow Truck

GROUP 4: A-Frame; Burner, Cutter, & Welder; Service Greaser; Trucks, side, end, bottom & articulated end dump (over 6 yards to and including 12 yds.); Truck Mounted Hydro Seeder; Warehouseperson; Water Tank truck (0-8,000 gallons)

GROUP 5: Dumptor (over 6 yds.); Lowboy (50 tons & under); Self- loading Roll Off; Semi-Truck & Trailer; Tractor with Steer Trailer; Transit Mixers and Trucks Hauling Concrete (over 6 yds. to and including 10 yds.); Trucks, side, end, bottom and end dump (over 12 yds. to & including 20 yds.); Truck-Mounted Crane (with load bearing surface either mounted or pulled, up to 14 ton); Vacuum Truck (super sucker, guzzler, etc.)

GROUP 6: Flaherty Spreader Box Driver; Flowboys; Fork Lift (over 16,000 lbs.); Dumps (Semi-end); Mechanic (Field); Semi- end Dumps; Transfer Truck & Trailer; Transit Mixers & Trucks Hauling Concrete (over 10 yds. to & including 20 yds.); Trucks, side, end, bottom and articulated end dump (over 20 yds. to & including 40 yds.); Truck and Pup; Tournarocker, DWs & similar with 2 or more 4 wheel-power tractor with trailer, gallonage or yardage scale, whichever is greater Water Tank Truck (8,001- 14,000 gallons); Lowboy(over 50 tons)

GROUP 7: Oil Distributor Driver; Stringer Truck (cable oeprated trailer); Transit Mixers & Trucks Hauling Concrete (over 20 yds.); Truck, side, end, bottom end dump (over 40 yds. to & including 100 yds.); Truck Mounted Crane (with

load bearing surface either mounted or pulled (16 through 25 tons);

GROUP 8: Prime Movers and Stinger Truck; Trucks, side, end, bottom and articulated end dump (over 100 yds.); Helicopter Pilot Hauling Employees or Materials

Footnote A - Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in additon to the classification working in as follows:

LEVEL C-D: - $.50 PER HOUR (This is the lowest level of protection. This level may use an air purifying respirator or additional protective clothing.

LEVEL A-B: - $1.00 PER HOUR (Uses supplied air is conjunction with a chemical spash suit or fully encapsulated suit with a self-contained breathing apparatus.

Employees shall be paid Hazmat pay in increments of four(4) and eight(8) hours.

NOTE:
Trucks Pulling Equipment Trailers: shall receive $.15/hour over applicable truck rate

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

In the listing above, the "SU" designation means that rates listed under the identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

General Decision Number: OR080002 03/20/2009 OR2

Superseded General Decision Number: OR20070002

State: Oregon

Construction Types: Heavy (Heavy and Dredging) and Highway

Counties: Oregon Statewide.

DREDGING, HEAVY AND HIGHWAY CONSTRUCTION PROJECTS

Modification Number	Publication Date
0	02/08/2008
1	02/15/2008
2	03/07/2008
3	04/04/2008
4	04/18/2008
5	04/25/2008
6	06/06/2008
7	06/13/2008
8	06/20/2008
9	07/04/2008
10	09/19/2008
11	10/03/2008
12	11/07/2008
13	11/21/2008
14	01/02/2009
15	02/06/2009
16	03/13/2009
17	03/20/2009

BOIL0500-001 10/01/2007

	Rates	Fringes
BOILERMAKER	$ 31.56	19.01

BROR0001-006 06/01/2008

BAKER, BENTON (NORTH), CLACKAMAS, CLATSOP, COLUMBIA, GILLIAM, HARNEY, HOOD RIVER, LINCOLN (NORTH), LINN (NORTH), MALHEUR (NORTH), MARION, MORROW, MULTNOMAH, POLK, SHERMAN, TILLAMOOK, UMATILLA, UNION, WALLOWA, WASCO (NORTH), WASHINGTON AND YAMHILL COUNTIES

	Rates	Fringes
BRICKLAYER	$ 31.12	13.80

BROR0001-007 06/01/2008

BENTON (SOUTH), CROOK, DESCHUTES, GRANT, JACKSON, JEFFERSON, KLAMATH, LAKE, LANE, LINCOLN (SOUTH), LINN (SOUTH), MALHEUR (SOUTH), WASCO (SOUTH) AND WHEELER COUNTIES

	Rates	Fringes
BRICKLAYER	$ 29.90	13.45

CARP9001-001 06/01/2007

ZONE 1:

	Rates	Fringes
Carpenters:		
CARPENTERS	$ 27.56	13.30
DIVER STANDBY	$ 34.42	13.30
DIVERS TENDERS	$ 30.28	13.30
DIVERS	$ 68.84	13.30
MANIFOLD AND/OR DECOMPRESSION CHAMBER OPERATORS	$ 30.28	13.30
MILLWRIGHTS	$ 28.04	13.30
PILEDRIVERS	$ 28.04	13.30

DEPTH PAY:
50 to 100 feet $1.00 per foot over 50 feet
101 to 150 feet 1.50 per foot over 101 feet
151 to 200 feet 2.00 per foot over 151 feet

Zone Differential (Add to Zone 1 rates):
Zone 2 - $0.85
Zone 3 - 1.25
Zone 4 - 1.70
Zone 5 - 2.00
Zone 6 - 3.00

ZONE 1 - All jobs or projects located within 30 miles of the respective City Hall
ZONE 2 - More than 30 miles and less than 40 miles from the respective City Hall
ZONE 3 - More than 40 miles and less than 50 miles from the respective City Hall
ZONE 4 - More than 50 miles and less than 60 miles from the respective City Hall
ZONE 5 - More than 60 miles and less than 70 miles from the respective City Hall
ZONE 6 - More than 70 miles from the respective City Hall.

BASEPOINTS CITIES FOR CARPENTERS (EXCLUDING MILLWRIGHTS, PILEDRIVERS AND DIVERS)

ALBANY	ASTORIA	BAKER
BEND	BROOKINGS	BURNS
COOS BAY	CORVALLIS	EUGENE
GOLDENDALE	GRANTS PASS	HERMISTON
HOOD RIVER	KLAMATH FALLS	LAGRANDE
LAKEVIEW	LONGVIEW	MADRAS
MEDFORD	McMINNVILLE	NEWPORT
OREGON CITY	ONTARIO	PENDLETON
PORTLAND	PORT ORFORD	REEDSPORT
ROSEBURG	SALEM	ST. HELENS
THE DALLES	TILLAMOOK	VANCOUVER

BASEPOINTS FOR MILLWRIGHTS

EUGENE	NORTH BEND	LONGVIEW
PORTLAND	MEDFORD	THE DALLES
VANCOUVER		

BASEPOINTS FOR PILEDRIVERS AND DIVERS

ASTORIA	BEND	COOS BAY
EUGENE	KLAMATH FALLS	LONGVIEW
MEDFORD	NEWPORT	PORTLAND
ROSEBURG	SALEM	THE DALLES

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* ELEC0048-006 01/01/2009

CLACKAMAS, CLATSOP, COLUMBIA, HOOD RIVER, MULTNOMAH, TILLAMOOK, WASCO, WASHINGTON, SHERMAN AND YAMHILL (NORTH) COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 34.40	3%+$14.85
ELECTRICIAN	$ 35.65	3%+$15.35

HOURLY ZONE PAY:

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Portland, The Dalles, Hood River, Tillamook, Seaside and Astoria

Zone Pay:
Zone 1: 31-50 miles $1.50/hour
Zone 2: 51-70 miles $3.50/hour
Zone 3: 71-90 miles $5.50/hour
Zone 4: Beyond 90 miles $9.00/hour

*These are not miles driven. Zones are based on Delorrne Street Atlas USA 2006 plus.

ELEC0112-001 12/01/2008

BAKER, GILLIAM, GRANT, MORROW, UMATILLA, UNION, WALLOWA, AND WHEELER COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 35.39	3%+13.48
ELECTRICIAN	$ 33.70	3%+13.48

ELEC0125-001 02/01/2007

	Rates	Fringes
Line Construction:		
CABLE SPLICER	$ 42.09	3.875%+10.60
GROUNDMAN	$ 26.31	3.875%+8.60
LINE EQUIPMENT MAN	$ 32.32	3.875%+8.70
LINEMAN, POLE SPRAYER, HEAVY LINE EQUIPMENT MAN	$ 37.58	3.875%+10.60
POWDERMAN, JACKHAMMERMAN	$ 28.19	3.875%+8.60
TREE TRIMMER	$ 22.04	3%+8.79

ELEC0280-003 01/01/2009

BENTON, CROOK, DESCHUTES, JEFFERSON, LANE (EAST OF A LINE RUNNING NORTH AND SOUTH FROM THE NORTHEAST CORNER OF COOS COUNTY TO THE SOUTHEAST CORNER OF LINCOLN COUNTY), LINN, MARION, POLK AND YAMHILL (SOUTHERN HALF) COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 37.46	3%+14.08
ELECTRICIAN	$ 34.05	3%+14.08

ELEC0291-006 01/01/2009

MALHEUR COUNTY

	Rates	Fringes
CABLE SPLICER	$ 32.50	3%+$10.00
ELECTRICIAN	$ 29.54	3%+$10.00

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* ELEC0659-004 01/01/2009

DOUGLAS (EAST OF A LINE RUNNING NORTH AND SOUTH FROM THE NE CORNER OF COOS COUNTY TO THE SE CORNER OF LINCOLN COUNTY), HARNEY, JACKSON, JOSEPHINE, KLAMATH AND LAKE COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 29.78	3%+$13.05
ELECTRICIAN	$ 29.78	3%+$13.05

ZONE PAY: BASE POINTS ARE FROM THE DOWNTOWN POST OFFICE IN GRANTS PASS, KLAMATH FALLS, ROSEBURG AND MEDFORD.

ZONE 1:	0-20 MILES	$0.00 PER HOUR
ZONE 2:	21-30 MILES	$1.00 PER HOUR
ZONE 3:	31-40 MILES	$2.80 PER HOUR
ZONE 4:	41-50 MILES	$4.50 PER HOUR
ZONE 5:	51-60 MILES	$6.30 PER HOUR
ZONE 6:	BEYOND 60 MILES	$9.00 PER HOUR

*THESE ARE NOT MILES DRIVEN. ZONES ARE BASED ON DELORNE STREET ATLAS USA 5.0.

ELEC0932-004 07/01/2008

COOS, CURRY, LINCOLN, DOUGLAS AND LANE COUNTIES (AREA LYING WEST OF A LINE NORTH AND SOUTH FROM THE N.E. CORNER OF COOS COUNTY TO THE S.E. CORNER OF LINCOLN COUNTY)

	Rates	Fringes
ELECTRICIAN	$ 31.47	3%+12.30

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* ENGI0701-004 01/01/2009

	Rates	Fringes
Dredging:		
ZONE A		
ASSISTANT ENGINEER	$ 37.30	10.80
ASSISTANT MATE	$ 32.96	10.80
LEVERMAN, DIPPER, FLOATING CLAMSHELL	$ 39.88	10.80
LEVERMAN, HYDRAULIC	$ 39.88	10.80
TENDERMAN	$ 36.12	10.80
ZONE B		
ASSISTANT ENGINEER	$ 39.80	10.80
ASSISTANT MATE	$ 35.46	10.80
LEVERMAN, DIPPER FLOATING CLAMSHELL	$ 42.38	10.80
LEVERMAN, HYDRAULIC	$ 42.38	10.80
TENDERMAN	$ 38.62	10.80
ZONE C		
ASSISTANT ENGINEER	$ 41.30	10.80
ASSISTANT MATE	$ 36.96	10.80
LEVERMAN, DIPPER FLOATING CLAMSHELL	$ 43.88	10.80
LEVERMAN, HYDRAULIC	$ 43.88	10.80
TENDERMAN	$ 40.12	10.80

ZONE DESCRIPTION FOR DREDGING

ZONE A - All jobs or projects located within 30 road miles of Portland City Hall.
ZONE B - Over 30-60 road miles from Portland City Hall.

ZONE C - Over 60 road miles from Portland City Hall.

*All jobs or projects shall be computed from the city hall by the shortest route to the geographical center of the project.

ENGI0701-005 01/01/2009

ZONE 1:

POWER EQUIPMENT OPERATORS (See Footnote C)

	Rates	Fringes
Power equipment operators:		
GROUP 1	$ 36.22	10.90
GROUP 1A	$ 38.03	10.90
GROUP 1B	$ 39.84	10.90
GROUP 2	$ 34.65	10.90
GROUP 3	$ 33.69	10.90
GROUP 4	$ 32.78	10.90
GROUP 5	$ 31.71	10.90
GROUP 6	$ 28.82	10.90

Zone Differential (add to Zone 1 rates):
Zone 2 - $2.50
Zone 3 - $5.00

For the following metropolitan counties: MULTNOMAH; CLACKAMAS; MARION; WASHINGTON; YAMHILL; AND COLUMBIA; CLARK; AND COWLITZ COUNTY, WASHINGTON WITH MODIFICATIONS AS INDICATED:

All jobs or projects located in Multnomah, Clackamas and Marion Counties, West of the western boundary of Mt. Hood National Forest and West of Mile Post 30 on Interstate 84 and West of Mile Post 30 on State Highway 26 and West of Mile Post 30 on Highway 22 and all jobs or projects located in Yamhill County, Washington County and Columbia County and all jobs or projects located in Clark & Cowlitz County, Washington except that portion of Cowlitz County in the Mt. St. Helens "Blast Zone" shall receive Zone I pay for all classifications.

All jobs or projects located in the area outside the identified boundary above, but less than 50 miles from the Portland City Hall shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the Portland City Hall, but outside the identified border above, shall receive Zone III pay for all classifications.

For the following cities: ALBANY; BEND; COOS BAY; EUGENE; GRANTS PASS; KLAMATH FALLS; MEDFORD; ROSEBURG

All jobs or projects located within 30 miles of the respective city hall of the above mentioned cities shall receive Zone I pay for all classifications.

All jobs or projects located more than 30 miles and less than 50 miles from the respective city hall of the above mentioned cities shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the respective city hall of the above mentioned cities shall receive Zone III pay for all classifications.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: CONCRETE: Batch Plant and/or Wet Mix Operator, three units or more; CRANE: Helicopter Operator, when used in erecting work; Whirley Operator, 90 ton and over; LATTICE BOOM CRANE: Operator 200 tons through 299 tons, and/or over 200 feet boom; HYDRAULIC CRANE: Hydraulic Crane Operator 90 tons through 199 tons with luffing or tower attachments; FLOATING EQUIPMENT: Floating Crane, 150 ton but less than 250 ton

GROUP 1A: HYDRAULIC CRANE: Hydraulic Operator, 200 tons and over (with luffing or tower attachment); LATTICE BOOM CRANE: Operator, 200 tons through 299 tons, with over 200 feet boom; FLOATING EQUIPMENT: Floating Crane 250 ton and over

GROUP 1B: LATTICE BOOM CRANE: Operator, 300 tons through 399 tons with over 200 feet boom; Operator 400 tons and over; FLOATING EQUIPMENT: Floating Crane 350 ton and over

GROUP 2: ASPHALT: Asphalt Plant Operator (any type); Roto Mill, pavement profiler, operator, 6 foot lateral cut and over; BLADE: Auto Grader or "Trimmer" (Grade Checker required); Blade Operator, Robotic; BULLDOZERS: Bulldozer operator over 120,000 lbs and above; Bulldozer operator, twin engine; Bulldozer Operator, tandem, quadnine, D10, D11, and similar type; Bulldozere Robotic Equipment (any type; CONCRETE: Batch Plant and/or Wet Mix Operator, one and two drum; Automatic Concrete Slip Form Paver Operator; Concrete Canal Line Operator; Concrete Profiler, Diamond Head; CRANE: Cableway Operator, 25 tons and over; HYDRAULIC CRANE: Hydraulic crane operator 90 tons through 199 tons (without luffing or tower attachment); TOWER/WHIRLEY OPERATOR: Tower Crane Operator; Whirley Operator, under 90 tons; LATTICE BOOM CRANE: 90 through 199 tons and/or 150 to 200 feet boom; CRUSHER: Crusher Plant Operator; FLOATING EQUIPMENT: Floating Clamshell, etc. operator, 3 cu. yds. and over; Floating Crane (derrick barge) Operator, 30 tons but less than 150 tons; LOADERS: Loader operator, 120,000 lbs. and above; REMOTE CONTROL: Remote controlled earth-moving equipment; RUBBER-TIRED SCRAPERS: Rubber-tired scraper operator, with tandem scrapers, multi-engine; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER OPERATOR: Shovel, Dragline, Clamshell, operator 5 cu. yds and over; TRENCHING MACHINE: Wheel Excavator, under 750 cu. yds. per hour (Grade Oiler required); Canal Trimmer (Grade Oiler required); Wheel Excavator, over 750 cu. yds. per hour; Band Wagon (in conjunction with wheel excavator); UNDERWATER EQUIPMENT: Underwater Equipment Operator, remote or otherwise; HYDRAULIC HOES-EXCAVATOR: Excavator over 130,000 lbs.; HYDRAULIC CRANE: Hydraulic crane operator, 50 tons through 89 tons (with luffing or tower attachment);

GROUP 3: BULLDOZERS: Bulldozer operator, over 70,000 lbs. up to and including 120,000 lbs.; HYDRAULIC CRANE: Hydraulic crane operator, 50 tons through 89 tons (without luffing or tower attachment); LATTICE BOOM CRANES: Lattice Boom Crane-50 through 89 tons (and less than 150 feet boom); FORKLIFT: Rock Hound Operator; HYDRAULIC HOES-EXCAVATOR: excavator over 80,000 lbs. through 130,000 lbs.; LOADERS: Loader operator 60,000 and less than 120,000; RUBBER-TIRED SCRAPERS: Scraper Operator, with tandem scrapers;

Self-loading, paddle wheel, auger type, finish and/or 2 or more units; SHOVEL, DRAGLINE, CLAMSHELL,SKOOPER OPERATOR: Shovel, Dragline, Clamshell operators 3 cu. yds. but less than 5 cu yds.

GROUP 4: ASPHALT: Screed Operator; Asphalt Paver operator (screeman required); BLADE: Blade operator; Blade operator, finish; Blade operator, externally controlled by electronic, mechanical hydraulic means; Blade operator, multi-engine; BULLDOZERS: Bulldozer Operator over 20,000 lbs and more than 100 horse up to 70,000 lbs; Drill Cat Operator; Side-boom Operator; Cable-Plow Operator (any type); CLEARING: Log Skidders; Chippers; Incinerator; Stump Splitter (loader mounted or similar type); Stump Grinder (loader mounted or similar type; Tub Grinder; Land Clearing Machine (Track mounted forestry mowing & grinding machine); Hydro Axe (loader mounted or similar type); COMPACTORS SELF-PROPELLED: Compactor Operator, with blade; Compactor Operator, multi-engine; Compactor Operator, robotic; CONCRETE: Mixer Mobile Operator; Screed Operator; Concrete Cooling Machine Operator; Concrete Paving Road Mixer; Concrete Breaker; Reinforced Tank Banding Machine (K-17 or similar types); Laser Screed; CRANE: Chicago boom and similar types; Lift Slab Machine Operator; Boom type lifting device, 5 ton capacity or less; Hoist Operator, two (2) drum; Hoist Operator, three (3) or more drums; Derrick Operator, under 100 ton; Hoist Operator, stiff leg, guy derrick or similar type, 50 ton and over; Cableway Operator up to twenty (25) ton; Bridge Crane Operator, Locomotive, Gantry, Overhead; Cherry Picker or similar type crane hoist five (5) ton capacity or less; Hydraulic Crane Operator, under 50 tons; LATTICE BOOM CRANE OPERATOR: Lattice Boom Crane Operator, under 50 tons; CRUSHER: Generator Operator; Diesel- Electric Engineer; Grizzley Operator; DRILLING: Drill Doctor; Boring Machine Operator; Driller-Percussion, Diamond, Core, Cable, Rotary and similar type; Cat Drill (John Henry); Directional Drill Operator over 20,000 lbs pullback; FLOATING EQUIPMENT: Diesel-electric Engineer; Jack Operator, elevating barges, Barge Operator, self-unloading; Piledriver Operator (not crane type) (Deckhand required); Floating Clamshelll, etc. Operator, under 3 cu. yds. (Fireman or Diesel-Electric Engineer required); Floating Crane (derrick barge) Operator, less than 30 tons; GENERATORS: Generator Operator; Diesel-electric Engineer; GUARDRAIL EQUIPMENT: Guardrail Punch Operator (all types); Guardrail Auger Operator (all types); Combination Guardrail machines, i.e., punch auger, etc.; HEATING PLANT: Surface Heater and Planer Operator; HYDRAULIC HOES EXCAVATOR: Robotic Hydraulic backhoe operator, track and wheel type up to and including 20,0000 lbs. with any or all attachments; Excavator Operator over 20,000 lbs through 80,000 lbs.; LOADERS: Belt Loaders, Kolman and Ko Cal types; Loaders Operator, front end and overhead, 25,000 lbs and less than 60,000 lbs; Elevating Grader Operator by Tractor operator, Sierra, Euclid or similar types; PILEDRIVERS: Hammer Operator; Piledriver Operator (not crane type); PIPELINE, SEWER WATER: Pipe Cleaning Machine Operator; Pipe Doping Machine Operator; Pipe Bending Machine Operator; Pipe Wrapping Machine Operator; Boring Machine Operator; Back Filling Machine Operator; REMOTE CONTROL: Concrete Cleaning Decontamination

Machine Operator; Ultra High Pressure Water Jet Cutting Tool System Operator/Mechanic; Vacuum Blasting Machine Operator/mechanic; REPAIRMEN, HEAVY DUTY: Diesel Electric Engineer (Plant or Floating; Bolt Threading Machine operator; Drill Doctor (Bit Grinder); H.D. Mechanic; Machine Tool Operator; RUBBER-TIRED SCRAPERS: Rubber-tired Scraper Operator, single engine, single scraper; Self-loading, paddle wheel, auger type under 15 cu. yds.; Rubber-tired Scraper Operator, twin engine; Rubber-tired Scraper Operator, with push-pull attachments; Self Loading, paddle wheel, auger type 15 cu. yds. and over, single engine; Water pulls, water wagons; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER OPERATOR: Diesel Electric Engineer; Stationary Drag Scraper Operator; Shovel, Dragline, Clamshell, Operator under 3 cy yds.; Grade-all Operator; SURFACE (BASE) MATERIAL: Blade mounted spreaders, Ulrich and similar types; TRACTOR-RUBBERED TIRED: Tractor operator, rubber-tired, over 50 hp flywheel; Tractor operator, with boom attachment; Rubber-tired dozers and pushers (Michigan, Cat, Hough type); Skip Loader, Drag Box; TRENCHING MACHINE: Trenching Machine operator, digging capacity over 3 ft depth; Back filling machine operator; TUNNEL: Mucking machine operator

GROUP 5: ASPHALT: Extrusion Machine Operator; Roller Operator (any asphalt mix); Asphalt Burner and Reconditioner Operator (any type); Roto-Mill, pavement profiler, ground man; BULLDOZERS: Bulldozer operator, 20,000 lbs. or less or 100 horse or less; COMPRESSORS: Compressor Operator (any power), over 1,250 cu. ft. total capacity; COMPACTORS: Compactor Operator, including vibratory; Wagner Pactor Operator or similar type (without blade); CONCRETE: Combination mixer and Compressor Operator, gunite work; Concrete Batch Plant Quality Control Operator; Beltcrete Operator; Pumpcrete Operator (any type); Pavement Grinder and/or Grooving Machine Operator (riding type); Cement Pump Operator, Fuller-Kenyon and similar; Concrete Pump Operator; Grouting Machine Operator; Concrete mixer operator, single drum, under (5) bag capacity; Cast in place pipe laying machine; maginnis Internal Full slab vibrator operator; Concrete finishing mahine operator, Clary, Johnson, Bidwell, Burgess Bridge deck or similar type; Curb Machine Operator, mechanical Berm, Curb and/or Curb and Gutter; Concrete Joint Machine Operator; Concrete Planer Operator; Tower Mobile Operator; Power Jumbo Operator setting slip forms in tunnels; Slip Form Pumps, power driven hydraulic lifting device for concrete forms; Concrete Paving Machine Operator; Concrete Finishing Machine Operator; Concrete Spreader Operator; CRANE: Helicopter Hoist Operator; Hoist Operator, single drum; Elevator Operator; A-frame Truck Operator, Double drum; Boom Truck Operator; HYDRAULIC CRANE OPERATOR: Hydraulic Boom Truck, Pittman; DRILLING: Churm Drill and Earth Boring Machine Operator; Directional Drill Operator over 20,000 lbs pullback; FLOATING EQUIPMENT: Fireman; FORKLIFT: Lull Hi-Lift Operator or similar type; Fork Lift, over 5 ton and/or robotic; HYDRAULIC HOES EXCAVATORS: Hydraulic Backhoe Operator, wheel type (Ford, John Deere, Case type); Hydraulic Backhoe Operator track type up to and including 20,000 lbs.; LOADERS: Loaders, rubber-tired type, less than 25,000 lbs; Elevating Grader Operator, Tractor

Towed requiring Operator or Grader; Elevating loader oeprator, Athey and similar types; OILERS: Service Oiler (Greaser); PIPELINE-SEWER WATER: Hydra hammer or similar types; Pavement Breaker Operator; PUMPS: Pump Operator, more than 5 (any size); Pot Rammer Operator; RAILROAD EQUIPMENT: Locomotive Operator, under 40 tons; Ballast Regulator Operator; Ballast Tamper Multi-Purpose Operator; Track Liner Operator; Tie Spacer Operator; Shuttle Car Operator; Locomotive Operator, 40 tons and over; MATERIAL HAULRS: Cat wagon DJB's Volvo similar types; Conveyored material hauler; SURFACING (BASE) MATERIAL: Rock Spreaders, self-propelled; Pulva-mixer or similar types; Chip Spreading machine operator; Lime spreading operator, construction job siter; SWEEPERS: Sweeper operator (Wayne type) self-propelled construction job site; TRACTOR-RUBBER TIRED: Tractor operator,
rubber-tired, 50 hp flywheel and under; Trenching machine operator, maximum digging capacity 3 ft depth; TUNNEL: Dinkey

GROUP 6: ASPHALT: Plant Oiler; Plant Fireman; Pugmill Operator (any type); Truck mounted asphalt spreader, with screed; COMPRESSORS: Compressor Operator (any power), under 1,250 cu. ft. total capacity; CONCRETE: Plant Oiler, Assistant Conveyor Operator; Conveyor Operator; Mixer Box Operator (C.T.B., dry batch, etc.); Cement Hog Operator; Concrete Saw Operator; Concrete Curing Machine Operator (riding type); Wire Mat or Brooming Machine Operator; CRANE: Oiler; Fireman, all equipment; Truck Crane Oiler Driver; A-frame Truck Operator, single drum; Tugger or Coffin Type Hoist Operator; CRUSHER: Crusher Oiler; Crusher Feederman; CRUSHER: Crusher oiler; Crusher feederman; DRILLING: Drill Tender; Auger Oiler; FLOATING EQUIPMENT: Deckhand; Boatman; FORKLIFT: Self-propelled Scaffolding Operator, construction job site (excluding working platform); Fork Lift or Lumber Stacker Operator, construction job site; Ross Carrier Operator, construction job site; GUARDRAIL EQUIPMENT: Oiler; Auger Oiler; Oiler, combination guardrail machines; Guardrail Punch Oiler; HEATING PLANT: Temporary Heating
Plant Operator; LOADERS: Bobcat, skid steer (less than 1 cu yd.); Bucket Elevator Loader Operator, Barber Greene and similar types; OILERS: Oiler; Guardrail Punch Oiler; Truck Crane Oiler- Driver; Auger Oiler; Grade Oiler, required to check grade; Grade Checker; PIPELINE-SEWER WATER: Tar Pot Fireman; Tar Pot Fireman (power agitated); PUMPS: Pump Operator (any power); Hydrostatic Pump Operator; RAILROAD EQUIPMENT: Brakeman; Oiler; Switchman; Motorman; Ballast Jack Tamper Operator; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER, ETC. OPERATOR: Oiler, Grade Oiler (required to check grade); Grade Checker; Fireman; SWEEPER: Broom operator, self propelled, construction job site; SURFACING (BASE) MATERIAL: Roller Operator, grading of base rock (not asphalt); Tamping Machine operator, mechanical, self-propelled; Hydrographic Seeder Machine Operator;
TRENCHING MACHINE: Oiler; Grade Oiler;
TUNNEL: Conveyor operator; Air filtration equipment operator

FOOTNOTE C:
HANDLING OF HAZARDOUS WAST MATERIALS - Personnel in all craft classifications subject to working inside a federally designated Hazardous Waste perimeter shall

be eligible for compensation in accordance with the following group schedule relative to the level of Hazardous Waste as outline in the specific Hazardous Waste Project Site Safety Plan:

H-1 Base Wage Rate when on a hazardous waste site when not outfitted with protective clothing.
H-2 Class "C" Suit - Basic hourly wage rate plus $1.00 per hour, fringes plus $0.15.
H-3 Class "B" Suit - Basic hourly wage rate plus $1.50 per hour, fringes plus $0.15.
H-4 Class "A" Suit -Basic hourly wage rate plus $2.00 per hour, fringes plus $0.15.

IRON0029-004 07/01/2008

	Rates	Fringes
IRONWORKER	$ 31.65	17.87

LABO0001-006 06/01/2007

	Rates	Fringes
Mason Tender/Hod Carrier Tenders to Bricklayers, Tile Setters, Marble Setters and Terrazzo Workers, Topping for Cement Finishers and Mortar Mixers	$ 25.14	11.07

LABO0003-003 06/01/2007

ZONE 1:

LABORERS (SEE FOOTNOTE C)

	Rates	Fringes
Laborers:		
GROUP 1	$ 23.12	11.07
GROUP 2	$ 23.72	11.07
GROUP 3	$ 24.16	11.07
GROUP 4	$ 24.54	11.07
GROUP 5	$ 20.12	11.07

Zone Differential (Add to Zone 1 rates):
Zone 2 - $0.65
Zone 3 - 1.15
Zone 4 - 1.70
Zone 5 - 2.75

ZONE 1 - All jobs or projects located within 30 miles of the respective City Hall
ZONE 2 - More than 30 miles and less than 40 miles from the respective City Hall
ZONE 3 - More than 40 miles and less than 50 miles from the respective City Hall
ZONE 4 - More than 50 miles and less than 80 miles from the respective City Hall
ZONE 5 - More than 80 miles from the respective City Hall.

BASEPOINTS:

ALBANY	ASTORIA	BAKER CITY
BEND	BURNS	COOS BAY
EUGENE	GRANTS PASS	HERMISTON
KLAMATH FALLS	MEDFORD	PENDLETON
PORTLAND	ROSEBURG	SALEM

THE DALLES

LABORER CLASSIFICATIONS

GROUP 1: Asphalt Spreaders; Asphalt Plant Laborers; Batch Weighman; Broomers; Brush Burners and Cutters; Car and Truck Loaders; Carpenter Tender; Change-House Man or Dry Shack Man; Choke Setter; Cleanup Laborers; Curing, Concrete; Demolition, Wrecking, and Moving Laborers; Dumpers, road oiling crew; Dumpmen (for grading crew); Elevator Feeders; Fine Graders; Fence Builders; Form Strippers (not swinging stages); Guard Rail, Median Rail, Guide Post; Reference Post, Right-of-way Marker; Hazardous Waste Laborers; Landscaping or Planting Laborer; Leverman or Aggregate Spreader (Flaherty and similar types); Loading Spotters; Material Yard Man (including electrical); Pittsburgh Chipper Operator or similar types; Railroad Track Laborers; Ribbon Setters (including steel forms); Rip Rap Man (hand placed); Road Pump Tender; Sewer Labor; Signalman; Skipman; Slopers; Spraymen; Stake Chaser; Stockpiler; Tie Back Shoring; Timber Faller and Bucker (hand labor); Toolroom Man (at jobsite); Weight-Man-Crusher (aggregate when used); General Laborer

GROUP 2: Applicator (including Pot Tender for same), applying protective material by hand or nozzle on utility lines or storage tanks on project; Brush Cutters (power saw); Burners; Choker Splicer; Clary Power Spreader and similar types; Clean-up Nozzleman-Green-Cutter (concrete, rock, etc.); Concrete Laborer; Concrete Power Buggyman; Crusher Feeder; Demolition and Wrecking Charred Materials; Dropping and Wrapping Pipe; Gunite Nozzleman Tender; Gunite or Sand Blasting Pot Tender; Handlers or Mixers of all materials of an irritating nature (including cement and lime); Post Hole Diggers, Air, Gas or Electric; Sand Blasting (wet); Tampers; Tool Operators (includes but not limited to: Dry Pack Machine, Jackhammer, Chipping Guns, Paving Breakers)

GROUP 3: Asbestos removal (structural removal only); Bit Grinder; Concrete Saw Operator; Drill Doctor; Drill Operators (Air Tracks, Cat Drills, Wagon Drills, Rubber-mounted Drills, and other similar types, including at crusher plants); Manhole Builder; Nippers and Timbermen; Power Saw Operators (bucking and falling); Sand Blasting (dry); Sewer Timberman; Track Liners, Anchor Machines, Ballast Regulators, Multiple Tampers, Power Jacks; Tugger Operator; Vibrator-all types; Vibrating Screed; Water Blaster

GROUP 4: Asphalt Rakers; Concrete Nozzleman; Grade Checker; Gunite Nozzleman; High Scalers, Strippers and Drillers (covers work in swinging stages, chairs or belts, under extreme conditions unusual to normal drilling, blasting, barring-down, or sloping and stripping); Pipe Layers-All types; Powdermen; Pumpcrete Nozzlemen; Loop Installation; Tunnel-miner; Tunner- powderman; Motorman-Dinky Locomotive; Shield Operator; Tunnel Bullgang (above ground); Tunnel Chuck Tenders; Tunnel-Muckers, Brakemen, Concrete Crew, Bull Gang (underground)

GROUP 5: Traffic Flaggers

FOOTNOTE C:

HANDLING OF HAZARDOUS WAST MATERIALS - Personnel in all craft classifications subject to working inside a federally designated Hazardous Waste perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of Hazardous Waste as outline in the specific Hazardous Waste Project Site Safety Plan:

H-1 Base Wage Rate when on a hazardous waste site when not outfitted with protective clothing.
H-2 Class "C" Suit - Basic hourly wage rate plus $1.00 per hour, fringes plus $0.15.
H-3 Class "B" Suit - Basic hourly wage rate plus $1.50 per hour, fringes plus $0.15.
H-4 Class "A" Suit -Basic hourly wage rate plus $2.00 per hour, fringes plus $0.15.

PAIN0055-001 10/01/2008

	Rates	Fringes
Painters: Commercial		
BAKER, BENTON, CLATSOP, CROOK, DESCHUTES, GRANT, GILLIAM, HARNEY, JEFFERSON, LAKE, LANE, LINN, LINCOLN, MALHEUR, MARION, POLK, TILLAMOOK, SHERMAN, UNION, WHEELER AND YAMHILL COUNTIES		
High work-All work 60 feet or higher	$ 19.44	7.14
Painters	$ 18.69	7.14
CLACKAMAS, COLUMBIA, HOOD RIVER, MULTNOMAH, MORROW, UMATILLA, WALLOWA, WASCO AND WASHINTON COUNTIES		
High work-All work 60 feet or higher	$ 20.44	7.14
Painters	$ 19.69	7.14
JACKSON AND KLAMATH COUNTIES		
High Work-All Work 60 feet or higher	$ 17.44	7.14
Painters	$ 16.69	7.14
Painters: Industrial		
BAKER, BENTON, CLATSOP, CROOK, DESCHUTES, GRANT, GILLIAM, HARNEY, JEFFERSON, LAKE, LANE, LINN, LINCOLN, MALHEUR, MARION, POLK, TILLAMOOK, SHERMAN, UNION, WHEELER AND YAMHILL COUNTIES		
Brush and Roller	$ 19.29	7.14
High work - All work 60 feet or higher	$ 20.04	7.14
Spray and Sandblasting	$ 19.89	7.14
CLACKAMAS, COLUMBIA, HOOD RIVER, MULTNOMAH, MORROW,		

UMATILLA, WALLOWA, WASCO
AND WASHINTON COUNTIES
Brush and Roller.....$ 20.29 7.14
High work-All work 60
feet or higher.....$ 21.04 7.14
Spray & Sandblasting.....$ 20.89 7.14
JACKSON AND KLAMATH
COUNTIES
Brush & Roller.....$ 17.29 7.14
High work-All work 60
feet or higher.....$ 18.04 7.14
Spray, Sandblasting.....$ 17.89 7.14

PAIN0055-005 06/01/2007

	Rates	Fringes
Painters:		
HIGHWAY & PARKING LOT STRIPER	$ 28.27	8.27

PLAS0555-001 06/01/2008

ZONE 1:

	Rates	Fringes
Cement Masons: (ZONE 1)		
CEMENT MASONS DOING BOTH COMPOSITION/POWER MACHINERY AND SUSPENDED/HANGING SCAFFOLD	$ 27.87	14.83
CEMENT MASONS ON SUSPENDED, SWINGING AND/OR HANGING SCAFFOLD	$ 27.34	14.83
CEMENT MASONS	$ 26.80	14.83
COMPOSITION WORKERS AND POWER MACHINERY OPERATORS	$ 27.34	14.83

Zone Differential (Add To Zone 1 Rates):
Zone 2 - $0.65
Zone 3 - 1.15
Zone 4 - 1.70
Zone 5 - 3.00

BASE POINTS: BEND, CORVALLIS, EUGENE, MEDFORD, PORTLAND, SALEM, THE DALLES, VANCOUVER

ZONE 1: Projects within 30 miles of the respective city hall
ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.
ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.
ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.
ZONE 5: More than 80 miles from the respective city hall

PLUM0290-005 10/01/2008

BENTON, CLACKAMAS, CLATSOP, COLUMBIA, COOS, CROOK, CURRY, DESCHUTES, DOUGLAS, GILLIAM, GRANT AND HARNEY (those portions which lies north and west of a north-south line drawn from the town of John Day to a point five miles east of the town of Burns and three miles south of Burns thence on an airline through the town of Wagontire west to the County lines), HOOD RIVER, JACKSON, JEFFERSON, JOSEPHINE, KLAMATH, LAKE, LANE, LINCOLN, LINN, MARION, MULTNOMAH, POLK, SHERMAN, TILLAMOOK,

WASCO, WASHINGTON, WHEELER AND YAMHILL COUNTIES

	Rates	Fringes
Plumbers and Pipefitters	$ 35.69	16.99

PLUM0296-004 01/01/2009

BAKER, HARNEY (Remainder of County) AND MALHEUR COUNTIES

	Rates	Fringes
Plumbers and Pipefitters	$ 26.70	10.65

PLUM0598-008 06/01/2008

GRANT (Remainder of County), MORROW, UMATILLA, UNION AND WALLOWA COUNTIES

	Rates	Fringes
Plumbers and Pipefitters	$ 38.64	19.10

SUOR1991-003 04/01/1991

	Rates	Fringes
Timber Sales Roads:		
LABORERS	$ 8.35	4.30
OPERATING ENGINEERS	$ 10.37	4.15
POWER SAW, DRILLER, POWDERMAN	$ 9.12	4.30
TEAMSTERS	$ 9.74	3.74

TEAM0037-004 06/01/2008

ZONE 1:

TRUCK DRIVERS (See Footnote C):

	Rates	Fringes
Truck drivers:		
GROUP 1	$ 26.40	11.91
GROUP 2	$ 26.52	11.91
GROUP 3	$ 26.65	11.91
GROUP 4	$ 26.91	11.91
GROUP 5	$ 27.13	11.91
GROUP 6	$ 27.29	11.91
GROUP 7	$ 27.49	11.91

Zone Differential (add to Zone 1 rates):
Zone 2 - $0.65
Zone 3 - 1.15
Zone 4 - 1.70
Zone 5 - 2.75

Zone 1 - All jobs or projects located within 30 miles of the respective City Hall
Zone 2 - More than 30 miles and less than 40 miles from the respective City Hall
Zone 3 - More than 40 miles and less than 50 miles from the respective City Hall
Zone 4 - More than 50 miles and less than 80 miles from the respective City Hall
Zone 5 - More than 80 miles from the respective City Hall

BASEPOINTS:
ALBANY ASTORIA BAKER

BEND	BINGEN	BROOKINGS
BURNS	COOS BAY	CORVALLIS
EUGENE	GOLDENDALE	GRANTS PASS
HERMISTON	HOOD RIVER	KLAMATH FALLS
LAGRANDE	LAKEVIEW	LONGVIEW
MADRAS	MEDFORD	MCMINNVILLE
OREGON CITY	NEWPORT	ONTARIO
PENDLETON	PORTLAND	PORT ORFORD
REEDSPORT	ROSEBURG	SALEM
THE DALLES	TILLAMOOK	VANCOUVER

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: A-frame or hydra-lift truck w/load bearing surface; Articulated dump truck; Battery rebuilders; Bus or manhaul driver; Concrete buggies (power operated); Concrete pump truck; Dump trucks, side, end and bottom dumps, including semi-trucks and trains or combinations thereof: up to and including 10 cu. yds.; Lift jitneys, fork lifts (all sizes in loading, unloading and transporting material on job site); Loader and/or leverman on concrete dry batch plant (manually operated); Lubrication man, fuel truck driver, tireman, wash rack, steam cleaner or combination; Pilot car; Pickup truck; Slurry truck driver or leverman; Solo flat bed and misc. body truck, 0-10 tons; Team drivers; Tireman; Transit mix and wet or dry mix trucks: 5 cu yds. and under; Water wagons (rated capacity) up to 3,000 gallons

GROUP 2: Boom truck/hydra-lift or retracting crane; Challenger; Dumpsters or similar equipment-all sizes; Dump trucks/articulated dumps 6 cu to 10 cu.; Flaherty spreader driver or leverman; Low bed equipment, flat bed semi-truck and trailer or doubles transporting equipment or wet or dry materials; Lumber carrier, driver-straddle carrier (used in loading, unloading and transporting of materials on job site); Oil distributor driver or leverman; Transit mix and wet or dry mix trucks: over 5 cy yds and including 7 cu. yds; Vacuum trucks; Water Wagons (rated capacity) over 3,000 to 5,000 gallons

GROUP 3: Ammonia nitrate distributor driver; Dump trucks, side, end and bottom dumps, including semi-trucks and trains or combinations thereof: over 10 cu. yds. and including 30 cu. yds., includes articulated dump trucks; Self-Propelled street sweeper; Transit mix and wet or dry mix trucks, over 7 cu. yds. and including 11 cu. yds.; truck mechanic-Welder-Body repairman; Utility and clean-up truck; Water wagons (rated capacity) 5,000 to 10,000 gallons.

GROUP 4: Asphalt Bruner; Dump trucks, side, end and bottom dumps, including semi-trucks and trains or combinations thereof: over 30 cu. yds. and including 50 cu. yds. includes articulated dump trucks; Fire guard; Transit Mix and Wet or Dry Mix Trucks, over 11 cu. yds. and including 15 cu. yds.; Water Wagon (rated capacity) over 10,000 gallons to 15,000 gallons

GROUP 5: Composite Crewman; Dump trucks, side, end and bottom dumps, including semi-trucks and trains or combinations thereof: over 50 cu. yds. and including 60 cu. yds.,

includes articulated dump trucks

GROUP 6: Bulk cement spreader w/o auger; Dry Pre-Batch concrete mix trucks; Dump trucks, side, end and bottom dumps, including semi-trucks and trains of combinations thereof: over 60 cu. yds. and including 80 cu. yds. and includes articulated dump trucks; Skid truck

GROUP 7: Dump trucks, side, end and bottom dumps, including semi-trucks and trains or combinations thereof: over 80 cu. yds. and including 100 cu. yds. includes articulated dump trucks; Industrial lift truck (mechanical tailgate)

FOOTNOTE C:

HANDLING OF HAZARDOUS WAST MATERIALS - (LABORERS, POWER EQUIPMENT OPERATORS, AND TRUCK DRIVERS): Personnel in all craft classifications subject to working inside a federally designated Hazardous Waste perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of Hazardous Waste as outline in the specific Hazardous Waste Project Site Safety Plan:

H-1 Base Wage Rate when on a hazardous waste site when not outfitted with protective clothing.
H-2 Class "C" Suit - Basic hourly wage rate plus $1.00 per hour, fringes plus $0.15.
H-3 Class "B" Suit - Basic hourly wage rate plus $1.50 per hour, fringes plus $0.15.
H-4 Class "A" Suit -Basic hourly wage rate plus $2.00 per hour, fringes plus $0.15.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

In the listing above, the "SU" designation means that rates listed under the identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which

the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

REQUEST FOR PROPOSALS
McNary – John Day Transmission Line Construction

Revision No.	Issued By:	Date Issued:
1	Bonneville Power Administration Supply Chain Services – NSSV-MODW P.O. Box 491 Vancouver, WA 98666-0491	April 9, 2009

A. The Request for Offer is changed as follows:

1. The Request for Offer due date is hereby extended to April 29, 2009 by 3:00 PM local time.

2. The attached notes and attendance list from the pre-proposal conference and site visit are hereby provided for informational purposes only.

3. The following questions have been submitted followed by the answers:

   - Question I: Do you have the weight Specs on the Towers and Leg Extensions for the following structure types: 148A2, 48T, 48B, and 48BB? Are the footing drawings for the 148A towers the same for the 148A2 footings?

     Answer: The 148A2 tower will have the same weight and footings as the 148A tower (Drawing 270716). The only difference between the 148A and 148A2 is the conductor assembly used. The 48T and 48T2 design criteria drawings (Drawings 266289 & 267629) provide the tower body weights. The 48T and 48T2 tower body uses the same leg extensions and footings as the 48D tower. Drawing 263261 will provide the weight for the grillage footings. Attached is a .PDF that provides leg weights for the 48D tower that will be used with the 48T and 48T2. Attached is a .PDF that provides tower components for the 48B and 48BB towers. This list provides weights for the various footings, body, body extensions, fiber attachment, and leg extensions.

   - Question II: Will drilling and blasting be allowed on the road construction and foundation excavation?

     Answer: Refer to 01.04.07A – "Except for areas listed in MIT, blasting is allowed for excavation work." If blasting is used, blasting plans need to be submitted, per standard specification. For some road work, pneumatic drill, 2 part epoxies that expand/crack the rock, etc. may be used.

4. Reference the Construction Documents, Tab entitled, "(SWPP) Plan/MIT."

   a. Appendix A – Mitigation Implementation Table dated 02/27/2009 is hereby replaced with the attached Appendix A – Mitigation Implementation Table dated 03/27/2009.

   b. Appendix H – NPDES General Permit for Storm Water Discharges from Construction Activities dated January 21, 2005 is hereby replaced with the attached NPDES General Permit for Storm Water Discharges from Construction Activities dated January 8, 2009.

5. Add the following to the Access Road Summary under the Access Road Section of the Construction Data Book as follows:

a. 16/5 – 17/1 – Protect 54" irrigation line Use existing borrow in summary to cover line. Add a steel plate to provide more protection for line, Contractor to determine the thickness and size of plate to adequately protect this line.

b. 17/4 AHOL 400' – Protect 30" irrigation line Use existing borrow in summary to cover line. Add a steel plate to provide more protection for line, Contractor to determine the thickness and size of plate to adequately protect this line.

c. 19/2 – 19/3 – Protect irrigation line Approx 250' AHOL of 19/2. ADD 45 Tons of Borrow to cover line and add a steel plate to cover line, Contractor to determine the thickness and size of plate to adequately protect this line.

d. 20/1 – 20/2 – Protect 14" irrigation line . ADD 45 Tons of Borrow to cover line and add a steel plate to cover line, Contractor to determine the thickness and size of plate to adequately protect this line.

6. All other terms and conditions remain unchanged.

B. If for any reason you decide not to submit an offer, it is requested that you contact Grant Furulie at (509) 358-7359 or by E-mail to **gjfurulie@bpa.gov**. Please submit technical questions to Shantini Ratnathicam, Construction Manager, at (360) 619-6584 or by E-mail to **sratnathicam@bpa.gov**.

C. Acknowledge receipt of this Revision by completing the following information and returning this form with your proposal. Failure to provide this acknowledgement may affect BPA's evaluation of your firm's offer.

E. Company Name: Wilson Construction Company

F. Signature:

G. Name and Title (printed): Donald M. Wilson, President

H. Date signed: April 28, 2009

Attachments:

Pre-proposal Conference Meeting Minutes, 4 pages
Attendance List, 2 pages
Tower Weights –
48B, 2 pages
48BB, 2 pages
48D, 1 page
SWPP Appendix A, 8 pages
SWPP Appendix H, 87 pages

Meeting Minutes
Pre-Proposal Conference and Site Visit
RFO 1280, McNary – John Day Transmission Line Construction
March 31, 2009 at 8:00 AM

A pre-proposal meeting and site visit was held on March 31, 2 009 at 8:00 AM. The meeting was held at Paterson Elementary School, Paterson, WA. A list of attendees is attached. A tour of the planned transmission line took place immediately following the meeting. The following was discussed during the meeting:

Grant Furulie, Contracting Officer:

- Began the meeting by introducing the government personnel and reviewed the request for offer Instructions and Evaluation Process.
- The companies were reminded their offer will contain two parts, Schedule of Prices and a Technical Submittal. The Schedule of Prices is located on pages 2 and 3. The technical submittal requirements were reviewed including 1) Work Plan, 2) Construction Schedule, 3) Work Schedule, 4) Safety Plan, 5) Key Personnel, 6) Subcontracting Plan, and 7) Cost Savings.
- The subcontracting plan requirement was addressed and the companies were provided a copy of Appendix 8-B, Exhibit 2-A-1, Subcontracting Plan, of the Bonneville Purchasing Instructions.
- The contractors were reminded that Payment and performance bonds are required for this acquisition.
- The companies were provided a list of companies who have a Master Agreement for Roadwork with BPA. This list was provided for informational purposes only.

Shantini Ratnathicam, Construction Manager and Contracting Officer Technical Representative:

- Outlined project summary and contractor work in supplemental specifications. Stressed that more details are in standard specification that was issued with Master contract. All contractors and subs need to have copy of standard specification before submitting proposal.
- First phase of construction is Miles 3 – 42.
- Second phase of construction is Miles 43 – 79 with one river crossing, and rebuilding 2 mile Rock Creek section.
- Miles 1 – 3 is a separate project and not part of this acquisition.
- Project has environmental work with a Storm Water Prevention Plan (SWPP)., and access road work.

Theresa Berry, Project Engineer:

- Discussed details of Miles 3 – 42.
- Discussed important land issues including structure placement, irrigation circles, orchards and vineyards.
- Contractor is to meet with land owners to discuss pesticides, etc.
- Need to be aware of food safety laws (i.e. use of portable-potties, no glass containers, garbage, etc.).
- Be aware of gas lines and high pressure water lines, etc

- Mile 23 is where the double circuit line from Ashe enters the corridor.
- Contractor is required to have a land liaison and work closely with land owners to include but not limited to:
    - Notify when they are coming and will be on their property.
    - Provide them a copy of their progress schedule.

Nathan Mullen, Project Engineer:

- Discussed details of Miles 43 – 79.
- Second phase is designed however, some leg lengths will change.
- Consists of steep terrain, slopes, etc. especially in the Roosevelt area and JU Canyon.
- Contractor will be required to tear down a 2-mile section of the Rock Creek – John Day line and relocate it 200 feet north.
- Contractor will be required to address the terrain issues in their safety plan.
- Discussed the river crossing at John Day dam.
- Noted the energized corridor from the John Day river crossing to John Day Substation.
- Richard has designed access roads to each structure, but it doesn't mean there is enough room for a pad.
- Some leg lengths will change in Phase 2. The contractor will be provided a copy of the final design during construction of Phase 1. The changes will be negotiated at a later date.

Richard Heredia, Civil Engineer:

- Discussed the access roads.
- There is a lot of sand in Phase 1 and a lot of rock in Phase 2.
- Discussed the access road summary (broke out in phases).
- Will be required to mow in 20' widths.
- Contractor will be required to provide dust control and compaction of aggregate.
- There a lot of spurs for the new construction.
- For new construction roads, BPA will survey and stake the centerline .
- Safety is a big concern.
- Rock sources are limited in the area.
- Landings and pads are not included in the road summary.
- Refer to photomaps – yellow/black is route of travel and dashed red is reconstruction., solid orange is new construction.

Laura Roberts and Stacy Mason, Environmental Engineers:

- BPA will provide Cultural Resource Monitors
- There may be some sensitive species timing restrictions.
- Native Habitat Areas exist along the ROW and the contractor needs to leave a small footprint in those areas and minimize impacts as much as possible.
- There are many Culturally Sensitive sites along the ROW and special measures found within the Mitigation Implementation Table must be taken when working in the vicinity.
- A noxious weed survey will be completed this spring and the locations of wash stations provided will be provided following survey.

- Contractor must note noxious weeds and not transferring to adjacent properties, cleaning vehicles, and for fire protection.
- Mitigation Implementation Table provides the location of sensitive areas along the ROW and details the mitigation measure required while working in the vicinity of those areas. Please use the Mitigation Implementation Table in conjunction with the photo maps.

Mark Korsness, Project Manager:

- Most important thing to BPA is Safety.
- Provided an overview of the project and related political interest.
- BPA does not have all the land acquired for Phase 2 and is explained in the supplemental specifications.
- The government is preparing a storage yard and materials will start to be delivered in May 2009.
- The storage yard is approximately 40 acres and adjacent to Paterson Elementary School.
- The storage yard will be transferred to the contractor after the issuance of the Release. They are not limited to just this storage yard.
- The first 10 miles of towers (not strung) must be completed in 2009.
- Refer to the Work Sequence in specification. The project schedule is a critical criterion and is the key to verify if the contractor understands the specification requirements.

Cathy Albrecht, Realty Specialist:

- Miles 6 – 11 are crop circles. Need to be very sensitive to food safety laws. Also need to check in at office or at least look for posting on board to avoid entering when area has been sprayed or treated.
- Three structures in mile 7 will not be available until after the circle has been harvested in October 2009. Pivot will be moved after harvest.
- A small piece of right-of-way still needs to be acquired in Mile 24 (Ashe-Marion, Ashe-Slatt). Property is owned by 100 Circle Farms.
- The line will go thru vineyards, crop circles, orchards and cattle grazing.
- Once the contractor is awarded, we will hold a "meet the contractor" meeting with the landowners.

Daniel Holzer, Inspector:

- Contractor needs to provide Clearance Holders and safety watchers.
- Digging boxes will be needed due to the soil conditions.

The conference was adjourned at approximately 9:30 AM and all attendees were then driven to several locations in Miles 3 – 79. These stops addressed certain issues and provided sample conditions as to what to expect. The following sites were toured:

- Field yard adjacent to Patterson Elementary School.
- Mile 9 – Nice road, flat with crop circle.
- Mile 17, Horse Haven Substation –
- Mile 27, 100 Circle Farms – drove to mile 23 to the crossing of 500kV line from Ashe.
- Mile 32, Alderidge Vineyards – looked at road system through vineyards and orchards.

- Structure 36/1 – Very steep grade on access road. Sensitive area due to proximity to cultural sites.
- Mile 44 (approximate) – Stopped along Highway 14. Typical steep terrain for tower footings.
- Lunch in Roosevelt.
- Mile 68, Rock Creek – Line rebuild.
- Mile 70 – Line crossing Highway 14.
- Tower Site 76/1 – On Washington side of Columbia River crossing and end of tour.
- International Line Builders wanted to see the river site 76/2 on cliff above river. Drove to that site.

General questions were asked during the meeting and site tour. No formal questions requiring a revision were submitted to Shantini Ratnathicam or Grant Furulie. The pre-proposal conference and site visit ended at approximately 3:30 PM local time near the John Day Damn.

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION TOWER STEEL WEIGHT SUMMARY

TYPE 48B SINGLE CIRCUIT TOWER - MWT = 51,000 LBS - 500 KV

CATALOG ID	DESCRIPTION	ERECTION DRAWING	PIECEMARK WEIGHT	HARDWARE WEIGHT	TOTAL WEIGHT
0001003423	FOOTING, BI-POD. PCMK WT 1,786 LBS.		1787	47	1834
0001003426	ATTACHMENT, PCMK WT 616 LBS.		616	21	637
0001003427	BODY, 60', COMMON PIECES. PCMK WT 41,324 LBS.		41067	2204	43271
0001003435	BODY, 60', 5' UNIQUE PIECES, (ONLY TO COMPLETE 60' TOWER USE W/O BODY EXT).		2359	103	2462
0001003436	BODY EXTENSION, 20' TO 60' BODY. PCMK WT 8,297 LBS.		6419	118	6537
0001003437	BODY EXTENSION, 20' TO 80' BODY. PCMK WT 12,503 LBS.		12503	310	12813
0001003438	BODY EXTENSION, 40' TO 80' BODY. PCMK WT 20,736 LBS.		20736	477	21213
0001003439	BODY EXTENSION, 60' TO 80' BODY. PCMK WT 31,053 LBS.		31054	579	31633
0001003440	BODY EXTENSION, 80' TO 80' BODY. PCMK WT 28,469 LBS.		28469	701	29170
0001003441	BODY EXTENSION, 100' TO 80' BODY. PCMK WT 37,010 LBS.		37010	737	37747
0001003442	STANDARD LEG, 5' TO 60' BODY. PCMK WT 850 LBS.		851	32	883
0001003444	STANDARD LEG, 7'-6" TO 60' BODY. PCMK WT 956 LBS.		956	35	991
0001003445	STANDARD LEG, 10' TO 60' BODY. PCMK WT 1,065 LBS.		1066	39	1105
0001003446	STANDARD LEG, 12'-6" TO 60' BODY. PCMK WT 1,293 LBS.		1293	45	1338
0001003447	STANDARD LEG, 15' TO 60' BODY. PCMK WT 1,422 LBS.		1422	50	1472
0001003448	STANDARD LEG, 17'-6" TO 60' BODY. PCMK WT 1,536 LBS.		1536	52	1588
0001003449	STANDARD LEG, 20' TO 60' BODY. PCMK WT 1,766 LBS.		1767	61	1828
0001003450	STANDARD LEG, 22'-6" TO 60' BODY. PCMK WT 1,885 LBS.		1886	63	1949
0001003451	STANDARD LEG, 25' TO 60' BODY. PCMK WT 1,999 LBS.		1999	66	2065
0001003452	STANDARD LEG, 27'-6" TO 60' BODY. PCMK WT 2,312 LBS.		2312	79	2391
0001003453	STANDARD LEG, 30' TO 60' BODY. PCMK WT 2,481 LBS.		2482	91	2573
0001003454	STANDARD LEG, 32'-6" TO 60' BODY. PCMK WT 2,601 LBS.		2602	92	2694
0001003455	STANDARD LEG, 35' TO 60' BODY. PCMK WT 2,832 LBS.		2832	100	2932
0001003456	STANDARD LEG, 37'-6" TO 60' BODY. PCMK WT 3,157 LBS.		3158	124	3282
0001003457	STANDARD LEG, 40' TO 60' BODY. PCMK WT 3,278 LBS.		3278	125	3403
0001003458	STANDARD LEG, 42'-6" TO 60' BODY. PCMK WT 3,438 LBS.		3439	128	3567
0001003459	STANDARD LEG, 45' TO 60' BODY. PCMK WT 3,679 LBS.		3679	137	3816
0001003460	STANDARD LEG, 47'-6" TO 60' BODY. PCMK WT 3,801 LBS.		3802	140	3942
0001003461	STANDARD LEG, 50' TO 60' BODY. PCMK WT 4,024 LBS.		4024	149	4173
0001003462	STANDARD LEG, 5' TO 80', 100', 120', 140', 160', AND 180' BODY. P		994	32	1026
0001003463	STANDARD LEG, 7'-6" TO 80', 100', 120', 140', 160', AND 180' BODY		1095	35	1130
0001003464	STANDARD LEG, 10' TO 80', 100', 120', 140', 160', AND 180' BODY.		1200	37	1237
0001003465	STANDARD LEG, 12'-6" TO 80', 100', 120,' 140', 160', AND 180' BOD		1308	40	1348
0001003466	STANDARD LEG, 15' TO 80', 100', 120', 140', 160', AND 180' BODY.		1589	50	1639
0001003467	STANDARD LEG, 17'-6" TO 80', 100', 120', 140', 160', AND 180' BOD		1701	52	1753
0001003468	STANDARD LEG, 20' TO 80', 100', 120', 140', 160', AND180' BODY. P		1965	59	2024
0001003469	STANDARD LEG, 22'-6" TO 80', 100', 120', 140', 160', AND 180' BOD		2078	63	2141
0001003470	STANDARD LEG, 25' TO 80', 100', 120', 140', 160', AND 180' BODY.		2192	65	2257
0001003471	STANDARD LEG, 27'-6" TO 80', 100', 120', 140', 160', AND 180' BOD		2594	86	2680
0001003472	STANDARD LEG, 30' TO 80', 100', 120', 140', 160', AND 180' BODY.		2735	89	2824
0001003473	STANDARD LEG, 32'-6" TO 80', 100', 120', 140', 160', AND 180' BOD		2850	91	2941

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION TOWER STEEL WEIGHT SUMMARY

TYPE 48B SINGLE CIRCUIT TOWER - MWT = 51,000 LBS - 500 KV

CATALOG ID	DESCRIPTION	ERECTION DRAWING	PIECEMARK WEIGHT	HARDWARE WEIGHT	TOTAL WEIGHT
0001003474	STANDARD LEG, 35' TO 80', 100', 120', 140', 160', AND 180' BODY.		3119	99	3218
0001003475	STANDARD LEG, 37'-6" TO 80', 100', 120', 140', 160', AND 180' BOD		3480	122	3602
0001003476	STANDARD LEG, 40' TO 80', 100', 120', 140', 160', AND 180' BODY.		3599	125	3724
0001003477	STANDARD LEG, 42'-6" TO 80', 100', 120', 140', 160', AND 180' BOD		4011	128	4139
0001003478	STANDARD LEG, 45' TO 80', 100', 120', 140', 160', AND 180' BODY.		4039	135	4174
0001003479	STANDARD LEG, 47'-6", TO 80', 100', 120', 140', 160', AND 180' BO		4159	137	4296
0001003480	STANDARD LEG, 50' TO 80', 100', 120', 140', 160', AND 180' BODY.		4225	106	4331
0001003739	FOOTING, STANDARD ROCK. PCMK WT 263 LBS.		264	3	267

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION TOWER STEEL WEIGHT SUMMARY

TYPE 48BB SINGLE CIRCUIT TOWER - MWT = 51,000 LBS - 500 KV

CATALOG ID	DESCRIPTION	ERECTION DRAWING	PIECEMARK WEIGHT	HARDWARE WEIGHT	TOTAL WEIGHT
0001003481	FOOTING, BI-POD. PCMK WT 1,790 LBS.		1790	49	1839
0001003484	ATTACHMENT, FIBER, PCMK WT 638 LBS.		616	21	637
0001003485	BODY, BC1, 60' - COMMON PIECES. PCMK WT 43,044 LBS.		42505	2173	44678
0001003486	BODY, B1, 60', 5' UNIQUE PIECES (ONLY TO COMPLETE 60' TOWER USE W/O BODY EXT).		2359	103	2462
0001003487	BODY EXTENSION, BC2, 20', TO 60' BODY - COMMON PIECES		8298	178	8476
0001003493	STANDARD LEG, 5', TO 60' BODY. PCMK WT 850 LBS.		851	32	883
0001003494	STANDARD LEG, 7'-6", TO 60' BODY. PCMK WT 956 LBS.		956	35	991
0001003495	STANDARD LEG, 10', TO 60' BODY. PCMK WT 1,065 LBS.		1066	39	1105
0001003496	STANDARD LEG, 12'-6", TO 60' BODY. PCMK WT 1,293 LBS.		1293	45	1338
0001003497	STANDARD LEG, 15' ,TO 60' BODY. PCMK WT 1,422 LBS.		1422	50	1472
0001003498	STANDARD LEG, 17'-6", TO 60' BODY. PCMK WT 1,536 LBS.		1536	52	1588
0001003499	STANDARD LEG, 20', TO 60' BODY. PCMK WT 1,766 LBS.		1767	61	1828
0001003500	STANDARD LEG, 22'-6", TO 60' BODY. PCMK WT 1,885 LBS.		1886	63	1949
0001003501	STANDARD LEG, 25', TO 60' BODY. PCMK WT 1,999 LBS.		1999	66	2065
0001003502	STANDARD LEG, 27'-6", TO 60' BODY. PCMK WT 2,313 LBS.		2313	79	2392
0001003503	STANDARD LEG, 30', TO 60' BODY. PCMK WT 2,481 LBS.		2482	91	2573
0001003504	STANDARD LEG, 32'-6", TO 60' BODY. PCMK WT 2,601 LBS.		2602	92	2694
0001003505	STANDARD LEG, 35', TO 60' BODY. PCMK WT 2,832 LBS.		2832	100	2932
0001003506	STANDARD LEG, 37'-6", TO 60' BODY. PCMK WT 3,157 LBS.		3158	124	3282
0001003507	STANDARD LEG, 40', TO 60' BODY. PCMK WT 3,278 LBS.		3278	125	3403
0001003508	STANDARD LEG, 42'-6", TO 60' BODY. PCMK WT 3,438 LBS.		3439	128	3567
0001003509	STANDARD LEG, 45', TO 60' BODY. PCMK WT 3,679 LBS.		3679	137	3816
0001003510	STANDARD LEG, 47'-6", TO 60' BODY. PCMK WT 3,801 LBS.		3802	140	3942
0001003511	STANDARD LEG, 50', TO 60' BODY. PCMK WT 4,024 LBS.		4024	149	4173
0001003512	STANDARD LEG, 5' TO 80', 100', 120', 140', 160', AND 180' BODY. P		994	32	1026
0001003513	STANDARD LEG, 7'-6" TO 80', 100', 120', 140', 160', AND 180' BODY		1095	35	1130
0001003514	STANDARD LEG, 10' TO 80', 100', 120', 140', 160', AND 180' BODY.		1200	37	1237
0001003515	STANDARD LEG, 12'-6" TO 80', 100', 120', 140', 160', AND 180' BOD		1308	40	1348
0001003516	STANDARD LEG, 15' TO 80', 100', 120', 140', 160', AND 180' BODY.		1589	50	1639
0001003517	STANDARD LEG, 17'-6" TO 80', 100', 120', 140', 160', AND 180' BOD		1701	52	1753
0001003518	STANDARD LEG, 20' TO 80', 100', 120', 140', 160', AND 180' BODY.		1965	59	2024
0001003519	STANDARD LEG, 22'-6" TO 80', 100', 120', 140', 160', AND 180' BOD		2078	63	2141
0001003520	STANDARD LEG, 25' TO 80', 100', 120', 140', 160', AND 180' BODY.		2192	65	2257
0001003521	STANDARD LEG, 27'-6" TO 80', 100', 120', 140', 160', AND 180' BOD		2594	86	2680
0001003522	STANDARD LEG, 30' TO 80', 100', 120', 140', 160', AND 180' BODY.		2735	89	2824
0001003523	STANDARD LEG, 32'-6" TO 80', 100', 120', 140', 160', AND 180' BOD		2850	91	2941

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION TOWER STEEL WEIGHT SUMMARY

TYPE 48BB SINGLE CIRCUIT TOWER - MWT = 51,000 LBS - 500 KV

CATALOG ID	DESCRIPTION	ERECTION DRAWING	PIECEMARK WEIGHT	HARDWARE WEIGHT	TOTAL WEIGHT
0001003524	STANDARD LEG, 35' TO 80', 100', 120', 140', 160', AND 180' BODY.		3119	99	3218
0001003525	STANDARD LEG, 37'-6" TO 80', 100', 120', 140', 160', AND 180' BOD		3480	122	3602
0001003526	STANDARD LEG, 40' TO 80', 100', 120', 140', 160', AND 180' BODY.		3599	125	3724
0001003527	STANDARD LEG, 42'-6" TO 80', 100', 120', 140', 160', AND 180' BOD		4011	128	4139
0001003528	STANDARD LEG, 45' TO 80', 100', 120', 140', 160', AND 180' BODY.		4039	135	4174
0001003529	STANDARD LEG, 47'-6" TO 80', 100', 120', 140', 160', AND 180' BOD		4159	137	4296
0001003530	STANDARD LEG, 50' TO 80', 100', 120', 140', 160', AND 180' BODY.		4225	106	4331
0001003740	FOOTING, STANDARD ROCK. PCMK WT 263 LBS.		264	3	267
0001006775	CROSSARM/HANGER, TO CONVERT FROM 48B. PCMK WT. 1,878 LBS.	48BBE2A	2041	131	2172

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION TOWER STEEL WEIGHT SUMMARY

TYPE 48D SINGLE CIRCUIT TOWER - MWT = 51,000 LBS - 500 KV

CATALOG ID	DESCRIPTION	ERECTION DRAWING	PIECEMARK WEIGHT	HARDWARE WEIGHT	TOTAL WEIGHT
0001002442	BODY EXTENSION, 20' TO 53' BODY. PCMK WT 17,245 LBS.		17340	542	17882
0001002443	BODY EXTENSION, 40' TO 53' BODY. PCMK WT 28,905 LBS.		28905	830	29735
0001002447	STANDARD LEG, 5'-0" . PCMK WT 1,404 LBS.		1404	63	1467
0001002448	STANDARD LEG, 7'-6" . PCMK WT 1,842 LBS.		1842	73	1915
0001002449	STANDARD LEG, 10'-0", PCMK WT 2,059 LBS.		2059	74	2133
0001002450	STANDARD LEG, 12'-6". PCMK WT 2,446 LBS.		2446	85	2531
0001002451	STANDARD LEG, 15'. PCMK WT 2,667 LBS.		2667	90	2757
0001002452	STANDARD LEG, 17'-6". PCMK WT 3,052 LBS.		3052	103	3155
0001002453	STANDARD LEG, 20'. PCMK WT 3,281 LBS.		3281	105	3386
0001002454	STANDARD LEG, 22'-6". PCMK WT 3,509 LBS.		3509	107	3616
0001002455	STANDARD LEG, 25'. PCMK WT 3,914 LBS.		3914	119	4033
0001002456	STANDARD LEG, 27'-6". PCMK WT 4,141 LBS.		4141	121	4262
0001002457	STANDARD LEG, 30'. PCMK WT 4,591 LBS.		4591	149	4740
0001002458	STANDARD LEG, 32'-6". PCMK WT 4,798 LBS.		4798	151	4949
0001002459	STANDARD LEG, 35'. PCMK WT 5,256 LBS.		5256	162	5418
0001002460	STANDARD LEG, 37'-6". PCMK WT 5,783 LBS.		5783	221	6004
0001002461	STANDARD LEG, 40'-0". PCMK WT 6,177 LBS.		6177	232	6409
0001002462	STANDARD LEG, 42'-6". PCMK WT 6,412 LBS.		6412	234	6646
0001002463	STANDARD LEG, 45'-0", PCMK WT 6,647 LBS.		6647	236	6883
0001002464	STANDARD LEG, 47'-6". PCMK WT 7,060 LBS.		7061	248	7309
0001002465	STANDARD LEG, 50'-0". PCMK WT 7,327 LBS.		7327	255	7582

In transmission line construction, there are numerous individual construction sites linearly dispersed over many miles. Some sites may or may not have the potential for lowering the water quality of nearby water bodies. Adding to the complexity is an uncertainty of the extent of ground disturbing activities and changing site conditions throughout the project length and construction duration. Due to this uncertainty, BPA has identified sensitive areas and construction activities that will require implementation of protective measures.

Sensitive Areas are locations with environmentally sensitive or regulated resources that could be impacted by project activities. Known Sensitive Areas for this project include aquatic resources, including wetlands and their buffers, floodplains, and streams; fish and wildlife habitat; protected vegetation; hazardous sites, land use and ownership concerns, and visual and recreational resources. Prior to the start of construction, BPA will install temporary construction fencing around sensitive areas to protect them from construction activities that could cause impact.

To minimize impacts to Sensitive Areas:

- Do not allow vehicles or construction equipment off of access roads, tower sites, conductor tensioning and reel sites or staging areas.
- Do not allow construction activity in any water body, except when applicable permits have been issued.
- Prior to ground disturbing activities, install erosion and sediment control devices.
- Deposit and stabilize unused excavated material away from Sensitive Areas and in upland areas.
- Do not allow sediments or fuels and other fluids from accidental spills to enter into any waterbody, including streams and wetlands.

The following Mitigation Implementation Table (MIT) identifies locations where Sensitive Areas may be impacted by construction activities. These locations may require erosion and sediment control plans or other prescribed measures to mitigate impacts to sensitive resources. Sensitive Areas are depicted on the Project Specific Photomaps (included in the Specification Package) and additional restrictions concerning Sensitive Areas are found in Part 02 of the construction technical specifications. Supplemental Erosion and Sediment Control Plans (ESCP) plans may be required to address additional or changed construction activities not included in the initial table.

If in unspecified areas, erosion control BMPs are needed, install and prepare ESCP.

SEED MIXS

Use general seed mix unless otherwise specified by MIT to use Native Shrub-Steppe Habitat Seed Mix or alternate seeding regime is required by individual land owner. Drilled seeding rates are given (lbs/ac); double seed rates if broadcast or hydroseeded. A similar seed mix maybe substituted with prior BPA approval.

General Project Seed Mix

Common Name	percent	Mixture (lbs/ac)*
Bluebunch wheatgrass	40%	5.6
Thickspike wheatgrass	20%	2.8
Sandberg bluegrass	15%	2.1
Bottlebrush squirreltail	15%	2.1
Needle & thread grass	5%	0.7
Sand dropseed	5%	0.7
TOTAL		**14**

*Expressed as pure live seed (pls) and 90% purity

Native Shrub-Steppe Habitat Seed Mix

Common Name	percent	Mixture (lbs/ac)*
Bluebunch wheatgrass	40%	5.6
Thickspike wheatgrass	15%	2.1
Sandberg bluegrass	15%	2.1
Bottlebrush squirreltail	15%	2.1
Needle & thread grass	5%	0.7
Sand dropseed	5%	0.7
Western white yarrow	1%	0.14
Weyth buckwheat	1%	0.14
Blue flax	1%	0.14
Wyoming big sagebrush	2%	0.28
TOTAL		**14**

*Expressed as pure live seed (pls) and 90% purity

The contractor will provide up to five vehicle wash stations to prevent the spread of noxious weeds. Wash station location will be determined following a noxious weed survey conducted by BPA. See Supplemental Technical Specification for wash station design.

BPA will provide cultural resource and tribal monitors. On-site monitors will be required for the project during all ground disturbing construction activities. A pre-construction meeting will be held with The Contractor, BPA Environment, the project COTR, and on-site cultural resource and tribal monitors to coordinate construction schedule and chain of communication.

Contact the COTR a minimum of 30 days in advance for new storage yard sites or pulling and tensioning sites for required cultural resources review.

BPA will mark sensitive area boundaries prior to construction to prevent inadvertent impact to sensitive areas during the course of the project.

BPA will conduct cliff nesting raptor surveys and burrowing owl surveys at specific areas along the ROW listed in the MIT and shown in the Project Specific Photomaps. Following the results of the survey, timing restrictions on constructions activates may be implemented in areas where sensitive species are observed.

Timing restrictions for occupied cliff nesting raptor habitat and burrowing owl habitat

Cliff nesting species	Restriction
Peregrine falcon	Avoid disturbance within 0.25 miles of any active nest during the breeding season, March to June.
Prairie falcon	Avoid construction activities within 0.25 miles of any active nest from February 15 to July 15.
Red-tailed hawk	Avoid construction activities within 320-ft of active nests from February 15 to July 15
Ground nesting species	
Burrowing owl	Avoid disturbance within 250 feet during breeding season February 1 to August 31.

NOTES:

AOL – Ahead-on-Line
BMP – Best Management Practice
BOL – Back-on-Line
ESCP – Erosion and Sediment Control Plan
MIT – Mitigation Implementation Table
P/T – Pulling / Tensioning Site
ROW – Right-of-Way
SWPP Plan- Storm Water Pollution Prevention Plan

Mitigation Implementation Table
BPA McNary-John Day No. 1, 500 kV Transmission Line 03/27/09

Site Description	Category	Location	Type of Construction Activity	Mitigation
McNary-John Day No. 1 500kV Transmission Line Project Mile 3-79				
McNary-John Day				
Storage Yard/Staging Area		TBD	Materials storage yard	• Review site for SWPPP concerns, prevent tracking onto paved roadway, and utilize BMPs to prevent water quality issues. • Site Storage yard/staging area at least 150-ft from any water body. • Contact COTR a minimum of 30 days in advance for new storage yard sites not previously reviewed for cultural resources.
Washington				
MILE 3-5				
Sensitive Area	Borrowing owl habitat	3/1-5/5	Access road construction, tower footing excavation and tower construction in potentially occupied burrowing owl habitat.	• BPA will conduct a burrowing owl survey. • Dependant on outcome of survey, timing restrictions for construction activities may be implemented for specific locations.
Sensitive Area	Native shrub-steppe habitat	3/3-5/2	Access road construction, tower footing excavation and tower construction in shrub-steppe communities.	• Keep vehicles on access roads. • Confine disturbance to tower sites and access roads and minimize construction footprint. • Re-contour disturbed area to roughly preconstruction conditions. • Seed, mulch and fertilize all disturbed areas using Native Shrub-Steppe Habitat Seed Mix at beginning of MIT.
MILE 6-12				
Sensitive Area	Borrowing owl habitat	6/1-12/6	Access road construction, tower footing excavation and tower construction in potentially occupied burrowing owl habitat.	• BPA will conduct a burrowing owl survey. • Dependant on outcome of survey, timing restrictions for construction activities may be implemented for specific locations.
Sensitive Area SA6/2.1	Fourmile Canyon	6/2-6/3	Access road construction, culvert, tower footing excavation and tower construction near riparian area.	• Design ESCP for this area to protect stream. • Install erosion control BMPs to prevent material from entering stream. • Keep vehicles on access roads. • Avoid construction activities within 200-ft of stream. • Re-contour disturbed area to roughly preconstruction conditions. • Properly manage and dispose of caustic water and concrete waste. • Collect and dispose of any excess excavated material outside riparian area. • Seed, mulch, and fertilize all disturbed areas.
MILE 13				
Sensitive Area	Borrowing owl habitat	13/1-13/5	Access road construction, tower footing excavation and tower construction in potentially occupied burrowing owl habitat.	• BPA will conduct a burrowing owl survey. • Dependant on outcome of survey, timing restrictions for construction activities may be implemented for specific locations.
Sensitive Area SA13/1.1	Unnamed tributary of the Columbia River.	13/1-13/2	Access road construction, ford installation, tower footing excavation and tower construction near riparian area.	• Design ESCP for this area to protect stream. • Install erosion control BMPs to prevent material from entering stream. • Stay on existing access roads. • Minimize and confine the use of ground-based equipment within 200-ft of stream to roads and structure work sites. • Re-contour disturbed area to roughly preconstruction conditions. • Properly manage and dispose of caustic water and concrete waste. • Collect and dispose of any excess excavated material outside riparian area. • Seed, mulch, and fertilize all disturbed areas.
Sensitive Area SA13/1.2	Off ROW Sensitive area	13/1-13/2	Access road construction, tower footing excavation and tower construction near sensitive area.	• Do not enter sensitive area
MILE 16-21				
Sensitive Area	Borrowing owl habitat	16/1-21/4	Access road construction, tower footing excavation, tower construction, and guyed wood pole installation in potentially occupied burrowing owl habitat.	• BPA will conduct a burrowing owl survey. • Dependant on outcome of survey, timing restrictions for construction activities may be implemented for specific locations.
Sensitive Area	Native shrub-steppe habitat	20/4-21/4	Access road construction, tower footing excavation and tower construction in shrub-steppe communities.	• Keep vehicles on access roads. • Confine disturbance to tower sites and access roads and minimize construction footprint. • Re-contour disturbed area to roughly preconstruction conditions. • Seed, mulch and fertilize all disturbed areas using Native Shrub-Steppe Habitat Seed Mix at beginning of MIT.
Sensitive Area SA21/4.1	Glade Creek Resident fish and potential for coho	21/4-21/5	Access road construction, tower footing excavation and tower construction near riparian area.	• Design ESCP for this area to protect stream. • Install erosion control BMPs to prevent material from entering stream • Keep vehicles on access roads. • Minimize and confine the use of ground-based equipment within 200-ft of stream to roads and structure work sites. • Re-contour disturbed area to roughly preconstruction conditions. • Properly manage and dispose of caustic water and concrete waste. • Collect and dispose of any excess excavated material outside riparian area. • Seed, mulch, and fertilize all disturbed areas.

Mitigation Implementation Table
BPA McNary-John Day No. 1, 500 kV Transmission Line 03/27/09

Site Description	Category	Location	Type of Construction Activity	Mitigation
MILE 22-23				
Sensitive Area	borrowing owl habitat	22/1-23/5	Access road construction, tower footing excavation and tower construction in potentially occupied burrowing owl habitat.	• BPA will conduct a burrowing owl survey. • Dependant on outcome of survey, timing restrictions for construction activities may be implemented for specific locations.
Sensitive Area SA22/5.1	Tributary of Glade Creek Resident fish and potential for coho	22/5-23/1	Access road construction, tower footing excavation and tower construction near riparian area.	• Design ESCP for this area to protect stream. • Install erosion control BMPs to prevent material from entering stream • Stay on existing access roads. • Minimize and confine the use of ground-based equipment within 200-ft of stream to roads and structure work sites. • Re-contour disturbed area to roughly preconstruction conditions. • Properly manage and dispose of caustic water and concrete waste. • Collect and dispose of any excess excavated material outside riparian area. • Seed, mulch, and fertilize all disturbed areas.
MILE 24-27				
Sensitive Area	borrowing owl habitat	24/1-27/5	Access road construction, tower footing excavation and tower construction in potentially occupied burrowing owl habitat.	• BPA will conduct a burrowing owl survey. • Dependant on outcome of survey, timing restrictions for construction activities may be implemented for specific locations.
Sensitive Area SA24/3.1	Off ROW Sensitive area	24/3-24/4 (southern boarder of ROW)	Access road construction, tower footing excavation and tower construction near sensitive area.	• Do not enter sensitive area. • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.
Sensitive Area SA26/2.1		26/2-26/4 (southern portion of ROW)	Access road construction, tower footing excavation and tower construction near sensitive area.	• Do not enter sensitive area • No blading, install geotextile fabric and rock (see access road summary) • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.
Sensitive Area SA27/3.1	Dead Canyon Resident fish	27/3-27-4	Access road construction, tower footing excavation and tower construction near riparian area.	• Design ESCP for this area to protect stream. • Install erosion control BMPs to prevent material from entering stream. • Stay on existing access roads. • Minimize and confine the use of ground-based equipment within 200-ft of stream to roads and structure work sites. • Re-contour disturbed area to roughly preconstruction conditions. • Properly manage and dispose of caustic water and concrete waste. • Collect and dispose of any excess excavated material outside riparian area. • Seed, mulch, and fertilize all disturbed areas.
MILE 29-30				
Sensitive Area	borrowing owl habitat	29/1-30/1	Access road construction, tower footing excavation, tower construction, and guyed wood pole installation in potentially occupied burrowing owl habitat.	• BPA will conduct a burrowing owl survey. • Dependant on outcome of survey, timing restrictions for construction activities may be implemented for specific locations.
MILE 33				
Sensitive Area SA33/3.1		33/3-33/4	Access road construction, tower footing excavation and tower construction near sensitive area.	• Do not enter sensitive area • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.
Sensitive Area SA33/3.2	Alder Creek Resident fish and potential for ESA listed steelhead	33/3-33/4	Access road construction, tower footing excavation and tower construction near riparian area.	• Design ESCP for this area to protect stream. • Install erosion control BMPs to prevent material from entering stream • Stay on existing access roads. • Minimize and confine the use of ground-based equipment within 200-ft of stream to roads and structure work sites. • Re-contour disturbed area to roughly preconstruction conditions. • Properly manage and dispose of caustic water and concrete waste. • Collect and dispose of any excess excavated material outside riparian area. • Seed, mulch, and fertilize all disturbed areas.
MILE 34				
Sensitive Area SA34/3.1		34/3-34/4	Access road construction, tower footing excavation and tower construction near sensitive area.	• Do not enter sensitive area. • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area. • Expand road at southern edge if necessary.
MILE 35				
Sensitive Area SA35/1.1		35/1	Tower footing excavation and tower construction near sensitive area.	• Do not enter sensitive area. • No blading, install geotextile fabric and rock (see access road summary) • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area. • Do not gather fill from site

Mitigation Implementation Table
BPA McNary-John Day No. 1, 500 kV Transmission Line 03/27/09

Site Description	Category	Location	Type of Construction Activity	Mitigation
MILE 36				
Sensitive Area SA36/1.1		36/1 (southern two-thirds of ROW)	Access road construction, tower footing excavation and tower construction near sensitive area.	• Do not enter sensitive area. • Blasting maybe restricted in this area. • Do not disturb rock cairns. • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.
Sensitive Area SA36/1.2		36/1 (outside southern boarder of ROW)	Access road construction, tower footing excavation and tower construction near sensitive area.	• Do not enter sensitive area. • Blasting maybe restricted in this area. • Do not disturb rock cairns. • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.
Sensitive Area SA36/1.3		600-ft AOL of 36/1	Access road construction, tower footing excavation and tower construction near sensitive area.	• Do not enter sensitive area. • Blasting maybe restricted in this area. • Do not disturb rock cairns. • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.
Sensitive Area SA36/2.1	Cottonwood Creek	36/2-36/3	Access road improvement	• Install erosion control BMPs to prevent material from entering stream, if needed. • Keep vehicles on access roads. • Re-contour disturbed area to roughly preconstruction conditions. • Collect and dispose of any excess excavated material outside riparian area. • Seed, mulch, and fertilize all disturbed areas.
Sensitive Area SA36/2.2		600-ft AOL of 36/2 to 600-ft BOL of 36/3 (throughout ROW)	Driving route through ROW	• Do not enter sensitive area • No blading, install geotextile fabric and rock (see access road summary) • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.
Sensitive Area SA36/3.1		Outside ROW north of 36/3	No work planned in area	• Do not enter sensitive area. • No blading, install geotextile fabric and rock (see access road summary) • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.
MILE 37				
Sensitive Area SA37/2.1		400-ft AOL of 37/2	Tower footing excavation and tower construction near sensitive area.	• Do not enter sensitive area. • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.
MILE 39-41				
Sensitive Area SA39/1.1	Unnamed intermittent stream	39/1	Access road improvement	• Install erosion control BMPs to prevent material from entering stream, if needed. • Stay on existing access roads. • Re-contour disturbed area to roughly preconstruction conditions. • Collect and dispose of any excess excavated material outside riparian area. • Seed, mulch, and fertilize all disturbed areas.
Sensitive Area SA39/4.1		39/4	Access road construction, tower footing excavation and tower construction near sensitive area.	• Do not enter sensitive area. • No blading, install geotextile fabric and rock (see access road summary) • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.
Sensitive Area SA40/1.1		40/1	Access road construction, tower footing excavation and tower construction near sensitive area.	• Do not enter sensitive area. • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.
Sensitive Area SA41/1.1		41/1	Access road construction, tower footing excavation and tower construction near sensitive area.	• Do not enter sensitive area. • No blading, install geotextile fabric and rock (see access road summary) • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.
Sensitive Area SA41/5.1	Pine Creek Resident fish and potential for ESA listed steelhead	800-ft AOL 41/5	Access road construction, tower footing excavation and tower construction near riparian area.	• Design ESCP for this area to protect stream. • Install erosion control BMPs to prevent material from entering stream. • Stay on existing access roads. • Minimize and confine the use of ground-based equipment within 200-ft of stream to roads and structure work sites. • Re-contour disturbed area to roughly preconstruction conditions. • Properly manage and dispose of caustic water and concrete waste. • Collect and dispose of any excess excavated material outside riparian area. • Seed, mulch, and fertilize all disturbed areas.
Sensitive Area SA41/5.2		1000-ft AOL 41/5	Access road construction, tower footing excavation and tower construction near sensitive area.	• Do not enter sensitive area. • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.

Mitigation Implementation Table
BPA McNary-John Day No. 1, 500 kV Transmission Line 03/27/09

Site Description	Category	Location	Type of Construction Activity	Mitigation
MILE 46				
Sensitive Area SA46/2.1		46/2	Access road construction, tower footing excavation and tower construction near sensitive area	• Do not enter sensitive area. • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.
MILE 47				
Sensitive Area SA47/1.1	Evening primrose plant population	47/1	Access road construction, tower footing excavation and tower construction near sensitive area.	• BPA will conduct an evening primrose survey and will install temporary construction fencing to protect sensitive plant population. • Do not enter sensitive area. • Keep vehicles on access roads. • Minimize construction footprint.
Sensitive Area SA47/2.1		47/2	Tower footing excavation and tower construction near sensitive area	• Do not enter sensitive area. • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.
Sensitive Area SA47/2.2		47/2	Tower footing excavation and tower construction near sensitive area	• Do not enter sensitive area. • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.
MILE 48-50				
Sensitive Area SA48/3.1	Wood Gulch Creek and associated non-fish bearing drainages Resident fish and ESA listed steelhead	48/3-50/3	Access road construction, tower footing excavation and tower construction near riparian area.	• Design ESCP for this area to protect Wood Gulch Creek. • Install erosion control BMPs to prevent material from entering stream. • Stay on existing access roads. • Minimize and confine the use of ground-based equipment within 200-ft of stream to roads and structure work sites. • Re-contour disturbed area to roughly preconstruction conditions. • Properly manage and dispose of caustic water and concrete waste. • Collect and dispose of any excess excavated material outside riparian area. • Seed, mulch, and fertilize all disturbed areas.
MILE 51				
Sensitive Area SA51/4.1		51/4	Access road construction, tower footing excavation and tower construction near, sensitive area.	• Do not enter sensitive area. • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.
MILE 52				
Sensitive Area SA52/5.1	Old Lady Canyon	52/5-53/1	Access road construction, tower footing excavation and tower construction near riparian area.	• Design ESCP for this area to protect stream. • Install erosion control BMPs to prevent material from entering stream. • Stay on existing access roads. • Minimize and confine the use of ground-based equipment within 200-ft of stream to roads and structure work sites. • Re-contour disturbed area to roughly preconstruction conditions. • Properly manage and dispose of caustic water and concrete waste. • Collect and dispose of any excess excavated material outside riparian area. • Seed, mulch, and fertilize all disturbed areas.
MILE 54				
Sensitive Area SA54/2.1	Chapman Creek Resident fish (including non-listed coho) and ESA listed chinook and steelhead	54/2-54/3	Tower footing excavation and tower construction near riparian area.	• Design ESCP for this area to protect stream. • Install erosion control BMPs to prevent material from entering stream • Stay on existing access roads. • Minimize and confine the use of ground-based equipment within 200-ft of stream to roads and structure work sites. • Re-contour disturbed area to roughly preconstruction conditions. • Properly manage and dispose of caustic water and concrete waste. • Collect and dispose of any excess excavated material outside riparian area. • Seed, mulch, and fertilize all disturbed areas.
MILE 55-57				
Sensitive Area	Cliff nesting Habitat	55/1-57/3	Access road construction, tower footing excavation and tower construction in potentially occupied raptor cliff nesting habitat.	• BPA will conduct raptor cliff nesting survey. • Dependant on outcome of survey, location and species of bird observed, timing restrictions for construction activities may be implemented. • Between January 1 and July 30, avoid blasting cliffs or operating helicopters within 0.25 miles of cliffs.
Sensitive Area SA55/5.1	Drainage	400-ft BOL of 56/1	Tower footing excavation and tower construction near sensitive area	• Do not enter sensitive area. • Keep vehicles on access roads.
Sensitive Area SA55/5.2 & SA56/1.1		400-ft BOL of 56/1 & 56/1-56/2	Tower footing excavation and tower construction near sensitive area	• Do not enter sensitive area. • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.
MILE 61				

Mitigation Implementation Table
BPA McNary-John Day No. 1, 500 kV Transmission Line 03/27/09

Site Description	Category	Location	Type of Construction Activity	Mitigation
Sensitive Area SA61/3.1	Rock Creek Resident fish and ESA listed chinook and steelhead	1200-ft AOL 61/3	Tower footing excavation and tower construction near riparian area.	• Design ESCP for this area to protect stream. • Install erosion control BMPs to prevent material from entering stream • Keep vehicles on access roads. • Minimize and confine the use of ground-based equipment within 200-ft of stream to roads and structure work sites. • Re-contour disturbed area to roughly preconstruction conditions. • Properly manage and dispose of caustic water and concrete waste. • Collect and dispose of any excess excavated material outside riparian area. • Seed, mulch, and fertilize all disturbed areas.
MILE 62-63				
Sensitive Area SA62/1.1	Borrowing owl habitat	62/1-63/6	Access road construction, tower footing excavation and tower construction in potentially occupied burrowing owl habitat.	• BPA will conduct a burrowing owl survey. • Dependant on outcome of survey, timing restrictions for construction activities may be implemented for specific locations.
MILE 64				
Sensitive Area SA64/3.1		64/3-64/4	Tower footing excavation and tower construction near sensitive area	• Do not enter sensitive area. • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.
MILE 65				
Sensitive Area SA65/1.1		400-ft BOL of 65/2	Tower footing excavation and tower construction near sensitive area	• Do not enter sensitive area. • Blasting maybe restricted in this area. • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.
MILE 66				
Sensitive Area SA66/3.1	J U Canyon Potential resident fish	66/3-66/4	Access road improvement, tower footing excavation and tower construction near riparian area.	• Design ESCP for this area to protect stream. • Install erosion control BMPs to prevent material from entering stream. • Keep vehicles on access roads. • Minimize and confine the use of ground-based equipment within 200-ft of stream to roads and structure work sites. • Re-contour disturbed area to roughly preconstruction conditions. • Properly manage and dispose of caustic water and concrete waste. • Collect and dispose of any excess excavated material outside riparian area. • Seed, mulch, and fertilize all disturbed areas.
MILE 67				
Sensitive Area SA67/3.1		67/3	Access road construction, tower footing excavation and tower construction near sensitive area	• Do not enter sensitive area. • No blading, install geotextile fabric and rock (see access road summary) • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.
MILE 68				
Sensitive Area SA68/2.1	Unnamed intermittent stream	68/2	Access road improvement	• Install erosion control BMPs to prevent material from entering stream, if needed. • Stay on existing access roads. • Re-contour disturbed area to roughly preconstruction conditions. • Collect and dispose of any excess excavated material outside riparian area. • Seed, mulch, and fertilize all disturbed areas.
Sensitive Area SA68/4.1	Rock outcrop	68/4	Tower footing excavation and tower construction near sensitive area	• Do not enter sensitive area. • Blasting maybe restricted in this area. • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.
MILE 70-75				
Sensitive Area SA70/1.1	Pioneer Cemetery	70/1	Tower footing excavation and tower construction near sensitive area	• Keep vehicles on access roads.
Sensitive Area SA70/3.1	Rock wall	Along southern portion of HWY 14 from 70/3-70/5	Tower footing excavation and tower construction near sensitive area.	• Keep vehicles on access roads. • Do not blast or impact rock wall.
Sensitive Area SA70/4.1	Native shrub-steppe habitat	70/4-75/2	Access road construction, tower footing excavation and tower construction in shrub-steppe communities.	• Keep vehicles on access roads. • Confine disturbance to tower sites and access roads and minimize construction footprint. • Reserve and replace the first 5 in of excavated top soil. • Re-contour disturbed area to roughly preconstruction conditions. • Seed, mulch and fertilize all disturbed areas using Native Shrub-Steppe Habitat Seed Mix at beginning of MIT.
Sensitive Area SA71/2.1	Unnamed Creek	71/2-71/4	Access road construction, culvert installation, tower footing excavation and tower construction near riparian area.	• Keep vehicles on access roads. • Install erosion control BMPs as needed to prevent material from entering creek, if needed. • Re-contour disturbed area to roughly preconstruction conditions. • Properly manage and dispose of caustic water and concrete waste. • Collect and dispose of any excess excavated material outside riparian area. • Seed, mulch, and fertilize all disturbed areas.

Mitigation Implementation Table
BPA McNary-John Day No. 1, 500 kV Transmission Line 03/27/09

Site Description	Category	Location	Type of Construction Activity	Mitigation
Sensitive Area SA72/4.1	pond	72/4-72/5	Access road improvement, culvert installation, tower footing excavation and tower construction near sensitive area	• Keep vehicles on access roads. • Install erosion control BMPs as needed to prevent material from entering pond, if needed. • Re-contour disturbed area to roughly preconstruction conditions. • Properly manage and dispose of caustic water and concrete waste. • Collect and dispose of any excess excavated material outside riparian area. • Seed, mulch, and fertilize all disturbed areas.
Sensitive Area	Cliff nesting habitat	72/1-74/1	Access road construction, tower footing excavation and tower construction in potentially occupied raptor cliff nesting habitat.	• BPA will conduct raptor cliff nesting survey. • Dependant on outcome of survey, location and species of bird observed, timing restrictions for construction activities may be implemented. • Between January 1 and July 30, avoid blasting cliffs or operating helicopters within 0.25 miles of cliffs.
Sensitive Area SA74/1.1	Settlement pond	74/1-74/2	Access road construction, tower footing excavation and tower construction near settlement pond area	• Keep vehicles on access roads. • Install erosion control BMPs as needed to prevent material from entering pond. • Re-contour disturbed area to roughly preconstruction conditions. • Properly manage and dispose of caustic water and concrete waste. • Collect and dispose of any excess excavated material outside riparian area. • Seed, mulch, and fertilize all disturbed areas.
Sensitive Area SA74/2.1		74/2-74/3	No work expected in the area	• Do not enter sensitive area. • Keep vehicles on access roads.
MILE 76				
Sensitive Area	Borrowing owl habitat	76/1	Access road construction, tower footing excavation and tower construction in potentially occupied burrowing owl habitat.	• BPA will conduct a burrowing owl survey. • Dependant on outcome of survey, timing restrictions for construction activities may be implemented for specific locations.
				•
Sensitive Area SA76/1.1	Columbian River Resident fish and ESA listed species; Steelhead, Chinook, and Sockeye.	76/1	Construct towers on existing footings and access road improvement near Columbia River and Sensitive Area.	• Design ESCP for area to protect the Columbia River. • Stay on designated construction route of travel. • Re-contour disturbed area to roughly preconstruction conditions. • Seed, mulch, and fertilize all disturbed areas.
MILE 77				
Sensitive Area SA77/4.1		77/4 off ROW sensitive area along access road	Access road use	• Do not enter sensitive area. • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.
Sensitive Area SA77/5.1	Scott Canyon and Gerking Canyon Potential for resident fish	BOL of 78/1	Construct towers on existing footings and access road improvement near Columbia River and Sensitive Area.	• Design ESCP for area to protect the streams. • Stay on designated construction route of travel. • Re-contour disturbed area to roughly preconstruction conditions. • Seed, mulch, and fertilize all disturbed areas.
MILE 78				
Sensitive Area SA78/1.1		78/1	tower footing excavation and tower construction near sensitive area	• Do not enter sensitive area. • Keep vehicles on access roads. • Collect and dispose of any excess excavated material outside sensitive area.

NPDES General Permit for Stormwater Discharges From Construction Activities

Table of Contents

PART 1: COVERAGE UNDER THIS PERMIT 2
1.1 Introduction 2
1.2 Permit Area 2
1.3 Eligibility 2
1.4 Waivers for Certain Small Construction Activities 6
PART 2: AUTHORIZATION FOR DISCHARGES OF STORMWATER FROM CONSTRUCTION ACTIVITY 6
2.1 How to Obtain Authorization 6
2.2 How to Submit Your NOI 7
2.3 Authorization to Discharge Date 7
2.4 Submission Deadlines 7
2.5 Continuation of the Expired General Permit 8
2.6 Requiring Coverage Under an Individual Permit or an Alternative General Permit 8
PART 3: EFFLUENT LIMITS 9
3.1 Effluent Limits to Reduce Pollutants in Stormwater Discharges 9
3.2 Effluent Limits to Reduce Pollutants in Non-Stormwater Discharges 12
3.3 Effluent Limits Related to Endangered Species 12
3.4 Attainment of Water Quality Standards 12
3.5 Consistency with Total Maximum Daily Loads 12
3.6 Maintenance of Control Measures 13
3.7 Training of Employees 13
3.8 Applicable State, Tribal, or Local Programs 13
PART 4: INSPECTIONS 13
PART 5: STORMWATER POLLUTION PREVETNION PLANS (SWPPPs) 15
5.1 Stormwater Pollution Prevention Plan Framework 15
5.2 SWPPP Contents: Site and Activity Description 16
5.3 Description of Control Measures to Reduce Pollutant Discharges 16
5.4 Non-Stormwater Discharges 17
5.5 Documentation of Permit Eligibility Related to Endangered Species 17
5.6 Documentation of Permit Eligibility Related to Total Maximum Daily Loads. 18
5.7 Copy of Permit Requirements 18
5.8 Applicable State, Tribal, or Local Programs 18
5.9 Inspections 18
5.10 Maintaining an Updated Plan 18
5.11 Signature, Plan Review and Making Plans Available 19
5.12 Requirements for Different Types of Operators 20
PART 6: TERMINATION OF COVERAGE 21
6.1 Submitting a Notice of Termination 21
6.2 When to Submit a Notice of Termination 21
PART 7: RETENTION OF RECORDS 21

PART 8: REOPENER CLAUSE **21**
8.1 Procedures for Modification or Revocation 21
8.2 Water Quality Protection 22
8.3 Timing of Permit Modification 22
PART 9: STANDARD PERMIT CONDITIONS **22**
PART 10: PERMIT CONDITIONS APPLICABLE TO SPECIFIC STATES, INDIAN COUNTRY, OR TERRITORIES **22**
Appendix A - Definitions and Acronyms A-1
Appendix B - Permit Areas Eligible for Coverage B-1
Appendix C - Endangered Species Act Review Procedures C-1
Appendix D - Small Construction Waivers and Instructions D-1
Appendix E - Notice of Intent Form and Instructions E-1
Appendix F - Notice of Termination Form and Instructions F-1
Appendix G - Standard Permit Conditions G-1

National Pollutant Discharge Elimination System
General Permit for Discharges from
Large and Small Construction Activities

In compliance with the provisions of the Clean Water Act, 33 U.S.C. §1251 et. seq., (hereafter CWA or the Act), as amended by the Water Quality Act of 1987, P.L. 100-4, operators of large and small construction activities that are described in Part 1.3 of this National Pollutant Discharge Elimination System (NPDES) general permit, except for those activities excluded from authorization of discharge in Part 1.3.C of this permit are authorized to discharge pollutants to waters of the United States in accordance with the conditions and requirements set forth herein. Permit coverage is required from the "commencement of construction activities" until "final stabilization" as defined in Appendix A.

This permit shall become effective on June 30, 2008.

This permit and the authorization to discharge shall expire at midnight, June 30, 2010.

Signed:

Stephen S. Perkins, Director, Office of Ecosystem Protection
EPA Region 1

Barbara Finazzo, Director, Division of Environmental Planning and Protection
EPA Region 2

Carl-Axel P. Soderberg, Division Director, Caribbean Environmental Protection Division
EPA Region 2

Jon M. Capacasa, Director, Water Protection Division
EPA Region 3

Tinka Hyde, Director, Water Division
EPA Region 5

Miguel I. Flores, Director, Water Quality Protection Division
EPA Region 6

William A. Spratlin, Director, Water, Wetlands and Pesticides Division
EPA Region 7

Stephen S. Tuber, Assistant Regional Administrator, Office of Partnerships & Regulatory Assistance
EPA Region 8

Alexis Strauss, Director, Water Division
EPA Region 9

Michael Gearheard, Director, Office of Water and Watersheds
EPA Region 10

The signatures are for the permit conditions in Parts 1 through 10 and Appendices A through G, and for any additional conditions which apply to facilities located in the corresponding state, Indian country, or other area.

PART 1: COVERAGE UNDER THIS PERMIT

1.1 Introduction

This Construction General Permit (CGP) authorizes stormwater discharges from large and small construction activities that result in a total land disturbance of equal to or greater than one acre, where those discharges enter surface waters of the United States or a municipal separate storm sewer system (MS4) leading to surface waters of the United States subject to the conditions set forth in this permit. This permit also authorizes stormwater discharges from any other construction activity designated by EPA where EPA makes that designation based on the potential for contribution to an excursion of a water quality standard or for significant contribution of pollutants to waters of the United States. This permit replaces the permit issued in 2003 (68 FR 39087, July 1, 2003), including the modification made to that permit in 2004 (69 FR 76743, December 22, 2004).

This permit is presented in a reader-friendly, plain language format. This permit uses the terms "you" and "your" to identify the person(s) who owns or operates a "facility" or "activity" as defined in Appendix A and who must comply with the conditions of this permit. This format should allow you, the permittee and operator of a large or small construction activity, to easily locate and understand applicable requirements.

The goal of this permit is to minimize the discharge of stormwater pollutants from construction activity.

1.2 Permit Area

If your large or small construction activity is located within the areas listed in Appendix B, you may be eligible to obtain coverage under this permit. Permit coverage is actually provided by legally separate and distinctly numbered permits covering each of the areas listed in Appendix B.

1.3 Eligibility

Permit eligibility is limited to discharges from "large" and "small" construction activity, and to "new projects" and "unpermitted ongoing projects," as defined in Appendix A or as otherwise designated by EPA. This general permit contains eligibility restrictions, as well as permit conditions and requirements. You may have to take certain actions to be eligible for coverage under this permit. In such cases, you must continue to satisfy those eligibility provisions to maintain permit authorization. If you do not meet the requirements that are a pre-condition to eligibility, then resulting discharges constitute unpermitted discharges. By contrast, if you eligible for coverage under this permit and do not comply with the requirements of the general permit, you may be in violation of the general permit for your otherwise eligible discharges.

A. Allowable Stormwater Discharges

Subject to compliance with the terms and conditions of this permit, you are authorized to discharge pollutants in:

1. Stormwater discharges associated with large and small construction activity from "new projects" and "unpermitted ongoing projects" as defined in Appendix A;
2. Stormwater discharges designated by EPA as needing a stormwater permit under 40 CFR §122.26(a)(1)(v) or §122.26(b)(15)(ii);
3. Discharges from support activities (e.g., concrete or asphalt batch plants, equipment staging yards, material storage areas, excavated material disposal areas, borrow areas) provided:
   a. The support activity is directly related to the construction site required to have NPDES permit coverage for discharges of stormwater associated with construction activity;
   b. The support activity is not a commercial operation serving multiple unrelated construction projects by different operators, and does not operate beyond the completion of the construction activity at the last construction project it supports; and
   c. Pollutant discharges from support activity areas are minimized in compliance with Part 3.1.G; and
4. Discharges composed of allowable discharges listed in 1.3.A and 1.3.B commingled with a discharge authorized by a different NPDES permit and/or a discharge that does not require NPDES permit authorization.

B. Allowable Non-Stormwater Discharges

You are authorized for the following non-stormwater discharges, provided the non-stormwater component of the discharge is in compliance with Part 5.4 (Non-Stormwater Discharges):

1. Discharges from fire-fighting activities;
2. Fire hydrant flushings;
3. Waters used to wash vehicles where detergents are not used;
4. Water used to control dust in accordance with Part 3.1.B;
5. Potable water including uncontaminated water line flushings;
6. Routine external building wash down that does not use detergents;
7. Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used;
8. Uncontaminated air conditioning or compressor condensate;
9. Uncontaminated ground water or spring water;
10. Foundation or footing drains where flows are not contaminated with process materials such as solvents;
11. Uncontaminated excavation dewatering;
12. Landscape irrigation.

C. Limitations on Coverage

1. This permit does not authorize post-construction discharges that originate from the site after construction activities have been completed and the site has achieved final stabilization, including any temporary support activity. Post-construction

stormwater discharges from industrial sites may need to be covered by a separate NPDES permit.

2. This permit does not authorize discharges mixed with non-stormwater. This exclusion does not apply to discharges identified in Part 1.3.B, provided the discharges are in compliance with Part 5.4 (Non-Stormwater Discharges).
3. This permit does not authorize stormwater discharges associated with construction activity that have been covered under an individual permit or required to obtain coverage under an alternative general permit in accordance with Part 2.6.
4. This permit does not authorize discharges that EPA, prior to authorization under this permit, determines will cause, have the reasonable potential to cause, or contribute to an excursion above any applicable water quality standard. Where such a determination is made prior to authorization, EPA may notify you that an individual permit application is necessary in accordance with Part 2.6. However, EPA may authorize your coverage under this permit after you have included appropriate controls and implementation procedures in your permit designed to bring your discharge into compliance with water quality standards.
5. *Discharging into Receiving Waters With an Approved or Established Total Maximum Daily Load Analysis*
   a. You are not eligible for coverage under this permit for discharges of pollutants of concern to waters for which there is a total maximum daily load (TMDL) established or approved by EPA unless implement measures or controls that are consistent with the assumptions and requirements of such TMDL. To be eligible for coverage under this general permit, you must implement conditions applicable to your discharges necessary for consistency with the assumptions and requirements of such TMDL. If a specific wasteload allocation has been established that would apply to your discharge, you must implement necessary steps to meet that allocation.
   b. In a situation where an EPA-approved or established TMDL has specified a general wasteload allocation applicable to construction stormwater discharges, but no specific requirements for construction sites have been identified in the TMDL, you should consult with the State or Federal TMDL authority to confirm that meeting the effluent limits in Part 3 of this permit will be consistent with the approved TMDL. Where an EPA-approved or established TMDL has not specified a wasteload allocation applicable to construction stormwater discharges, but has not specifically excluded these discharges, compliance with the effluent limits in Part 3 of this permit will generally be assumed to be consistent with the approved TMDL. If the EPA-approved or established TMDL specifically precludes such discharges, the operator is not eligible for coverage under the CGP.
6. *Endangered and Threatened Species and Critical Habitat Protection*
   a. Coverage under this permit is available only if your stormwater discharges, allowable non-stormwater discharges, and stormwater discharge-related activities, as defined in Appendix A, are not likely to jeopardize the continued existence of any species that are federally-listed as endangered or threatened ("listed") under the Endangered Species Act (ESA) or result in the adverse

modification or destruction of habitat that is federally-designated as critical under the ESA ("critical habitat").

b. You are not eligible to discharge if the stormwater discharges, allowable non-stormwater discharges, or stormwater discharge-related activities would cause a prohibited "take" of federally-listed endangered or threatened species (as defined under section 3 of the ESA and 50 CFR 17.3), unless such takes are authorized under sections 7 or 10 of the ESA.

c. Determining Eligibility: You must use the process in Appendix C (ESA Review Procedures) to determine eligibility *PRIOR* to submittal of the Notice of Intent (NOI). You must meet one or more of the following six criteria (A-F) for the entire term of coverage under the permit:

Criterion A. No federally-listed threatened or endangered species or their designated critical habitat are in the project area as defined in Appendix C; or

Criterion B. Formal consultation with the Fish and Wildlife Service and/or the National Marine Fisheries Service under section 7 of the ESA has been concluded and that consultation:

i. Addressed the effects of the project's stormwater discharges, allowable non-stormwater discharges, and stormwater discharge-related activities on federally-listed threatened or endangered species and federally-designated critical habitat, and

ii. The consultation resulted in either:

a. Biological opinion finding no jeopardy to federally-listed species or destruction/adverse modification of federally-designated critical habitat, or

b. Written concurrence from the Service(s) with a finding that the stormwater discharges, allowable non-stormwater discharges, and stormwater discharge-related activities are not likely to adversely affect federally-listed species or federally-designated critical habitat; or

Criterion C. Informal consultation with the Fish and Wildlife Service and/or the National Marine Fisheries Service under section 7 of the ESA has been concluded and that consultation:

i. Addressed the effects of the project's stormwater discharges, allowable non-stormwater discharges, and stormwater discharge-related activities on federally-listed threatened or endangered species and federally-designated critical habitat, and

ii. The consultation resulted in either:

a. Biological opinion finding no jeopardy to federally-listed species or destruction/adverse modification of federally-designated critical habitat, or

b. Written concurrence from the Service(s) with a finding that the stormwater discharges, allowable non-stormwater discharges, and stormwater discharge-related activities are

not likely to adversely affect federally-listed species or federally-designated critical habitat; or

Criterion D. The construction activities are authorized through the issuance of a permit under section 10 of the ESA, and that authorization addresses the effects of the stormwater discharges, allowable non-stormwater discharges, and stormwater discharge-related activities on federally-listed species and federally-designated critical habitat; or

Criterion E. Stormwater discharges, allowable non-stormwater discharges, and stormwater discharge-related activities are not likely to adversely affect any federally-listed threatened or endangered species or result in the destruction or adverse modification of federally-designated critical habitat; or

Criterion F. The project's stormwater discharges, allowable non-stormwater discharges, and stormwater discharge-related activities were already addressed in another operator's valid certification of eligibility under Criteria A-E which included your construction activities and there is no reason to believe that federally-listed species or federally-designated critical habitat not considered in the prior certification may be present or located in the project area. By certifying eligibility under this criterion, you agree to comply with any measures or controls upon which the other operator's certification was based.

You must comply with any applicable terms, conditions, or other requirements developed in the process of meeting the eligibility requirements of the criteria in this section to remain eligible for coverage under this permit.

7. *Historic Properties*
   [Reserved]
   You are reminded that you must comply with applicable state, tribal and local laws concerning the protection of historic properties and places.

1.4 Waivers for Certain Small Construction Activities

Three scenarios exist under which small construction activities (see definition in Appendix A) may be waived from the NPDES permitting requirements detailed in this general permit. These exemptions are predicated on certain criteria being met and proper notification procedures being followed. Details of the waiver options and procedures for requesting a waiver are provided in Appendix D.

PART 2: AUTHORIZATION FOR DISCHARGES OF STORMWATER FROM CONSTRUCTION ACTIVITY

2.1 How to Obtain Authorization

To obtain coverage under this general permit, you, the operator, must prepare and submit a complete and accurate Notice of Intent (NOI), as described in this Part. Discharges are not authorized if your NOI is incomplete or inaccurate or if you were never eligible for permit coverage.

2.2 How to Submit Your NOI

You must either use EPA's electronic NOI system (accessible at www.epa.gov/npdes/eNOI or use a paper form (included in Appendix E) and then submit that paper form to:

For Regular U.S. Mail Delivery:
EPA Stormwater Notice Processing Center
Mail Code 4203M
U.S. EPA
1200 Pennsylvania Avenue, NW
Washington, DC 20460

For Overnight/Express Mail Delivery:
EPA Stormwater Notice Processing Center
Room 7420
U.S. EPA
1201 Constitution Avenue, NW
Washington, DC 20004

2.3 Authorization to Discharge Date

You are authorized to discharge stormwater from construction activities under the terms and conditions of this permit seven (7) calendar days after acknowledgment of receipt of your complete NOI is posted on EPA's NPDES website http://www.epa.gov/npdes/stormwater/cgp. The exception to this 7-day timeframe is if EPA delays your authorization based on eligibility considerations of Part 1.3 (e.g., ESA concerns). Under this circumstance, you are not authorized for coverage under this permit until you receive notice from EPA of your eligibility.

2.4 Submission Deadlines

A. *New Projects:* To obtain coverage under this permit, you must submit a complete and accurate NOI and be authorized consistent with Part 2.3 prior to your commencement of construction activities.

B. *Permitted Ongoing Projects:* Permitted ongoing projects are not eligible for coverage under this permit. If you previously received authorization to discharge for your project under the 2003 CGP, your authorization will be automatically continued under that permit until the expiration of this permit and the issuance of a new CGP, or the termination of coverage by you under the 2003 CGP, whichever is earlier. Note: If you are an operator of a permitted ongoing project and you transfer ownership of the project, or a portion thereof, to a different operator, that operator will be required to submit a complete and accurate NOI for a new project in accordance with Part 2.2.

C. *Unpermitted Ongoing Projects:* If you previously did not receive authorization to discharge for your project under the 2003 CGP and you wish to obtain coverage under this permit, you must submit an NOI within 90 days of the issuance date of this permit.

D. *Late Notifications:* Operators are not prohibited from submitting NOIs after initiating clearing, grading, excavation activities, or other construction activities. When a late NOI is submitted, authorization for discharges occurs consistent with Part 2.3. The Agency reserves the right to take enforcement action for any unpermitted discharges that occur between the commencement of construction and discharge authorization.

2.5 Continuation of the Expired General Permit

If this permit is not reissued or replaced prior to the expiration date, it will be administratively continued in accordance with the Administrative Procedure Act and remain in force and effect. If you were granted permit coverage prior to the expiration date, you will automatically remain covered by the continued permit until the earliest of:

A. Reissuance or replacement of this permit, at which time you must comply with the conditions of the new permit to maintain authorization to discharge; or

B. Your submittal of a Notice of Termination; or

C. Issuance of an individual permit for the project's discharges; or

D. A formal permit decision by EPA to not reissue this general permit, at which time you must seek coverage under an alternative general permit or an individual permit.

2.6 Requiring Coverage Under an Individual Permit or an Alternative General Permit

A. EPA may require you to apply for and/or obtain either an individual NPDES permit or coverage under an alternative NPDES general permit. Any interested person may petition EPA to take action under this paragraph. If EPA requires you to apply for an individual NPDES permit, EPA will notify you in writing that a permit application is required. This notification will include a brief statement of the reasons for this decision and an application form. In addition, if you are an existing permittee covered under this permit, the notice will set a deadline to file the application, and will include a statement that on the effective date of issuance or denial of the individual NPDES permit or the coverage or denial of coverage under the alternative general permit as it applies to you, coverage under this general permit will automatically terminate. Applications must be submitted to EPA at the applicable EPA Regional offices listed in Appendix B of this permit. EPA may grant additional time to submit the application upon your request. If you are covered under this permit and you fail to submit in a timely manner an individual NPDES permit application as required by EPA, then the applicability of this permit to you is automatically terminated at the end of the day specified by EPA as the deadline for application submittal.

B. You may request to be excluded from coverage under this general permit by applying for an individual permit. In such a case, you must submit an individual application in accordance with the requirements of 40 CFR §122.26(c)(1)(ii), with reasons supporting the request, to EPA at the applicable EPA Regional office listed in

Appendix B of this permit. The request may be granted by issuance of an individual permit or coverage under an alternative general permit if your reasons are adequate to support the request.

C. When an individual NPDES permit is issued to you (as an entity that is otherwise subject to this permit), or you are authorized to discharge under an alternative NPDES general permit, the applicability of this permit to you is automatically terminated on the effective date of the individual permit or the date of authorization of coverage under the alternative general permit, whichever the case may be. If you (as an entity that is otherwise subject to this permit) are denied an individual NPDES permit or an alternative NPDES general permit, the applicability of this permit to you is automatically terminated on the date of such denial, unless otherwise specified by EPA.

PART 3: EFFLUENT LIMITS

This section includes technology-based and water quality-based effluent limits that apply to all dischargers, unless otherwise specified. You must select, install, and maintain control measures (e.g., Best Management Practices ("BMPs"), controls, practices, etc.) for each major construction activity, identified in your Part 5 project description, to meet these effluent limits. All control measures must be properly selected, installed, and maintained in accordance with any relevant manufacturer specifications and good engineering practices. You must implement the control measures from commencement of construction activity until final stabilization is complete.

The term "minimize" as used in Part 3 means reduce and/or eliminate to the extent achievable using control measures that are technologically available and economically practicable and achievable in light of best industry practice.

3.1 Effluent Limits to Reduce Pollutants in Stormwater Discharges

You must implement control measures to minimize pollutants in stormwater discharges.

A. ***Sediment Controls:*** You must implement the following, where applicable:

1. Sediment Basins: For common drainage locations that serve an area with 10 or more acres disturbed at one time, a temporary (or permanent) sediment basin that provides storage for a calculated volume of runoff from the drainage area from a 2-year, 24-hour storm, or equivalent control measures, must be provided where attainable until final stabilization of the site. Where no such calculation has been performed, a temporary (or permanent) sediment basin providing 3,600 cubic feet of storage per acre drained, or equivalent control measures, must be provided where attainable until final stabilization of the site. When computing the number of acres draining into a common location, it is not necessary to include flows from offsite areas and flows from on-site areas that are either undisturbed or have undergone final stabilization where such flows are diverted around both the disturbed area and the sediment basin. In determining whether installing a sediment basin is attainable, the operator may consider factors such as site soils,

slope, available area on-site, etc. In any event, the operator must consider public safety, especially as it relates to children, as a design factor for the sediment basin, and alternative sediment controls must be used where site limitations would preclude a safe design.

2. For drainage locations which serve 10 or more disturbed acres at one time and where a temporary sediment basin or equivalent controls is not attainable, smaller sediment basins and/or sediment traps should be used. At a minimum, silt fences, vegetative buffer strips, or equivalent sediment controls are required for all down slope boundaries (and for those side slope boundaries deemed appropriate as dictated by individual site conditions).

3. For drainage locations serving less than 10 acres, smaller sediment basins and/or sediment traps should be used. At a minimum, silt fences, vegetative buffer strips, or equivalent sediment controls are required for all down slope boundaries (and for those side slope boundaries deemed appropriate as dictated by individual site conditions) of the construction area unless a sediment basin providing storage for a calculated volume of runoff from a 2-year, 24-hour storm or 3,600 cubic feet of storage per acre drained is provided.

B. ***Off-Site Sediment Tracking and Dust Control:*** You must minimize off-site vehicle tracking of sediments onto paved surfaces and the generation of dust. If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize off-site impacts.

C. ***Runoff Management:*** You must divert flows from exposed soils, retain/detain flows or otherwise minimize runoff and the discharge of pollutants from exposed areas of the site. You must avoid placement of structural practices in floodplains to the degree technologically and economically practicable and achievable.

D. ***Erosive Velocity Control:*** You must place velocity dissipation devices at discharge locations and along the length of any outfall channel to provide a non-erosive flow velocity from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g., no significant changes in the hydrological regime of the receiving water).

E. ***Post-Construction Stormwater Management:*** You must comply with any applicable federal, local, state, or tribal requirements regarding the design and installation of post-construction stormwater controls. Structural measures should be placed on upland soils to the degree practicable and achievable.

F. ***Construction and Waste Materials:*** You must:
   1. Prevent the discharge of solid materials, including building materials, to waters of the United States, except as authorized by a permit issued under section 404 of the CWA;

2. Minimize exposure of construction and waste materials to stormwater, and the occurrence of spills, through the use of storage practices, prevention and response practices, and other controls;
3. Prevent litter, construction debris, and construction chemicals (e.g., diesel fuel, hydraulic fluids, and other petroleum products) that could be exposed to stormwater from becoming a pollutant source in stormwater discharges.

G. ***Non-Construction Wastes:*** You must minimize pollutant discharges from areas other than construction (including stormwater discharges from dedicated asphalt plants and dedicated concrete plants).

H. ***Erosion Control and Stabilization:***
1. ***General Requirements:*** You must stabilize the site. You must ensure that existing vegetation is preserved where possible and that disturbed portions of the site are stabilized. You should avoid using impervious surfaces for stabilization.
2. ***Initiation Deadlines:*** You must initiate stabilization measures, except as provided below, as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased.
   i. Where stabilization by the 14th day is precluded by snow cover or frozen ground conditions, stabilization measures must be initiated as soon as practicable.
   ii. Where construction activity on a portion of the site is temporarily ceased, and earth disturbing activities will be resumed within 14 days, temporary stabilization measures do not have to be initiated on that portion of the site.
   iii. In arid, semiarid, and drought-stricken areas where initiating perennial vegetative stabilization measures is not possible within 14 days after construction activity has temporarily or permanently ceased, final vegetative stabilization measures must be initiated as soon as practicable.

I. ***Spills / Releases in Excess of Reportable Quantities:*** You are not authorized to discharge hazardous substances or oil resulting from an on-site spill. This permit does not relieve you of the federal reporting requirements of 40 CFR Part 110, 40 CFR Part 117 and 40 CFR Part 302 relating to spills or other releases of oils or hazardous substances.

Where a release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR Part 110, 40 CFR Part 117 or 40 CFR Part 302, occurs during a 24-hour period:

- you must provide notice to the National Response Center (NRC) (800–424–8802; in the Washington, DC, metropolitan area call 202–267–2675) in accordance with the requirements of 40 CFR Part 110, 40 CFR Part 117 and 40 CFR Part 302 as soon as site staff have knowledge of the discharge; and

- you must, within 7 calendar days of knowledge of the release, provide a description of the release, the circumstances leading to the release, and the date of the release. You must also implement measures to prevent the reoccurrence of such releases and to respond to such releases.

3.2 Effluent Limits to Reduce Pollutants in Non-Stormwater Discharges

You must minimize any non-stormwater discharges authorized by this permit.

3.3 Effluent Limits Related to Endangered Species

You must protect federally-listed endangered or threatened species, or federally-designated critical habitat to maintain eligibility under Part 1.3.C.6.

3.4 Attainment of Water Quality Standards

A. You must select, install, implement and maintain control measures at your construction site that minimize pollutants in the discharge as necessary to meet applicable water quality standards. In general, except in situations explained in Part 3.4.B below, your stormwater controls developed, implemented, and updated consistent with the other provisions of Part 3 are considered as stringent as necessary to ensure that your discharges do not cause or contribute to an excursion above any applicable water quality standard.

B. At any time after authorization, EPA may determine that your stormwater discharges may cause, have reasonable potential to cause, or contribute to an excursion above any applicable water quality standard. If such a determination is made, EPA will require you to:

   i. Modify your stormwater controls in accordance with Part 3.6 to address adequately the identified water quality concerns;
   ii. Submit valid and verifiable data and information that are representative of ambient conditions and indicate that the receiving water is attaining water quality standards; or
   iii. Cease discharges of pollutants from construction activity and submit an individual permit application according to Part 2.6.

All written responses required under this part must include a signed certification consistent with Appendix G, Section 11.

3.5 Consistency with Total Maximum Daily Loads

If you are discharging into a water with an EPA established or approved TMDL, you must implement measures to ensure that your discharge of pollutants from the site is consistent with the assumptions and requirements of the EPA-established or approved TMDL, including any specific wasteload allocation that has been established that would apply to your discharge. See Part 1.3.C.5 for further information on determining permit eligibility related to TMDLs.

3.6 Maintenance of Control Measures

A. You must maintain all control measures and other protective measures in effective operating condition. If site inspections required by Part 4 identify BMPs that are not operating effectively, you must perform maintenance as soon as possible and before the next storm event whenever practicable to maintain the continued effectiveness of stormwater controls.

B. If existing BMPs need to be modified or if additional BMPs are necessary for any reason, you must complete implementation before the next storm event whenever practicable. If implementation before the next storm event is impracticable, you must implement alternative BMPs as soon as possible.

C. You must remove sediment from sediment traps or sedimentation ponds when design capacity has been reduced by 50 percent.

D. You must remove trapped sediment from a silt fence before the deposit reaches 50 percent of the above-ground fence height (or before it reaches a lower height based on manufacturer's specifications).

3.7 Training of Employees

You must train employees and subcontractors as necessary to make them aware of the applicable control measures implemented at the site so that they follow applicable procedures.

3.8 Applicable State, Tribal, or Local Programs

You must ensure that the stormwater controls implemented at your site are consistent with all applicable federal, state, tribal, or local requirements for soil and erosion control and stormwater management.

PART 4: INSPECTIONS

A. ***Inspection Frequency:*** You must conduct inspections in accordance with one of the two schedules listed below. You must specify in your SWPPP which schedule you will be following.
   1. At least once every 7 calendar days, OR
   2. At least once every 14 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater.

B. ***Case-by-Case Reductions in Inspection Frequency:*** You may reduce your inspection frequency to at least once every month if:
   1. The entire site is temporarily stabilized,
   2. Runoff is unlikely due to winter conditions (e.g., site is covered with snow, ice, or the ground is frozen), or
   3. Construction is occurring during seasonal arid periods in arid areas and semi-arid areas.

C. ***Inspection Waiver for Frozen Conditions:*** A waiver of the inspection requirements is available until one month before thawing conditions are expected to result in a discharge if all of the following requirements are met:
   1. The project is located in an area where frozen conditions are anticipated to continue for extended periods of time (i.e., more than one month);
   2. Land disturbance activities have been suspended; and
   3. The beginning and ending dates of the waiver period are documented in the SWPPP.

D. ***Qualified Personnel:*** Inspections must be conducted by qualified personnel (provided by the operator or cooperatively by multiple operators). "Qualified personnel" means a person knowledgeable in the principles and practice of erosion and sediment controls who possesses the skills to assess conditions at the construction site that could impact stormwater quality and to assess the effectiveness of any sediment and erosion control measures selected to control the quality of stormwater discharges from the construction activity.

E. ***Scope of Inspections:*** Inspections must include all areas of the site disturbed by construction activity and areas used for storage of materials that are exposed to precipitation. Inspectors must look for evidence of, or the potential for, pollutants entering the stormwater conveyance system. Sedimentation and erosion control measures must be observed to ensure proper operation. Discharge locations must be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to waters of the United States, where accessible. Where discharge locations are inaccessible, nearby downstream locations must be inspected to the extent that such inspections are practicable. Locations where vehicles enter or exit the site must be inspected for evidence of off-site sediment tracking.

F. ***Reductions in Scope of Inspections for Stabilized Areas:*** Once a definable area has been finally stabilized, no further inspection requirements apply to that portion of the site (e.g., earth-disturbing activities around one of three buildings in a complex are done and the area is finally stabilized, one mile of a roadway or pipeline project is done and finally stabilized, etc).

G. ***Utility Line Inspections:*** Utility line installation, pipeline construction, and other examples of long, narrow, linear construction activities may limit the access of inspection personnel to the areas described in Part 4.E above. Inspection of these areas could require that vehicles compromise temporarily or even permanently stabilized areas, cause additional disturbance of soils, and increase the potential for erosion. In these circumstances, controls must be inspected on the same frequencies as other construction projects, but representative inspections may be performed. For representative inspections, personnel must inspect controls along the construction site for 0.25 mile above and below each access point where a roadway, undisturbed right-of-way, or other similar feature intersects the construction site and allows access to the areas described above. The conditions of the controls along each inspected 0.25 mile segment may be considered as representative of the condition of controls along

that reach extending from the end of the 0.25 mile segment to either the end of the next 0.25 mile inspected segment, or to the end of the project, whichever occurs first.

H. ***Inspection Report:*** For each inspection required above, you must complete an inspection report. At a minimum, the inspection report must include:
   1. The inspection date;
   2. Names, titles, and qualifications of personnel making the inspection;
   3. Weather information for the period since the last inspection (or since commencement of construction activity if the first inspection) including a best estimate of the beginning of each storm event, duration of each storm event, approximate amount of rainfall for each storm event (in inches), and whether any discharges occurred;
   4. Weather information and a description of any discharges occurring at the time of the inspection;
   5. Location(s) of discharges of sediment or other pollutants from the site;
   6. Location(s) of BMPs that need to be maintained;
   7. Location(s) of BMPs that failed to operate as designed or proved inadequate for a particular location;
   8. Location(s) where additional BMPs are needed that did not exist at the time of inspection; and
   9. Corrective action required including implementation dates.

The inspection report must be signed in accordance with Appendix G, Section 11 of this permit.

PART 5: STORMWATER POLLUTION PREVETNION PLANS (SWPPPs)

5.1 Stormwater Pollution Prevention Plan Framework

You must prepare a SWPPP before submitting your Notice of Intent (NOI) for permit coverage. At least one SWPPP must be developed for each construction project covered by this permit and the stormwater controls implemented at your site must be documented in the SWPPP. If you prepared a SWPPP for coverage under a previous NPDES permit, you must review and update the SWPPP prior to submitting your NOI.

The SWPPP does not contain effluent limitations; the technology and water quality-based effluent limitations are contained in Part 3 of this permit. The SWPPP is intended to document the selection, design, installation, and implementation of control measures that are being used to comply with the effluent limitations set forth in Part 3.

The SWPPP must:
1. Identify all potential sources of pollutants that may reasonably be expected to affect the quality of stormwater discharges from the construction site; and
2. Describe control measures to be used to meet the effluent limits set forth in Part 3.

5.2 SWPPP Contents: Site and Activity Description

A. ***Construction Site Operators:*** The SWPPP must identify all operators for the project site, and the areas of the site over which each operator has control.

B. ***Nature of Construction Activity:*** The SWPPP briefly must describe the nature of the construction activity, including:
   1. The function of the project (e.g., low density residential, shopping mall, highway, etc.);
   2. The intended sequence and timing of activities that disturb soils at the site;
   3. Estimates of the total area expected to be disturbed by excavation, grading, or other construction activities, including dedicated off-site borrow and fill areas; and
   4. A general location map (e.g., USGS quadrangle map, a portion of a city or county map, or other map) with enough detail to identify the location of the construction site and waters of the United States within one mile of the site.

C. ***Site Map:*** The SWPPP must contain a legible site map, showing the entire site, identifying:
   1. Direction(s) of stormwater flow and approximate slopes anticipated after grading activities;
   2. Areas of soil disturbance and areas that will not be disturbed (or a statement that all areas of the site will be disturbed unless otherwise noted);
   3. Locations of major structural and nonstructural BMPs identified in the SWPPP;
   4. Locations where stabilization practices are expected to occur;
   5. Locations of off-site material, waste, borrow or equipment storage areas;
   6. Locations of all waters of the United States (including wetlands);
   7. Locations where stormwater discharges to a surface water; and
   8. Areas where final stabilization has been accomplished and no further construction-phase permit requirements apply.

D. ***Construction and Waste Materials:*** The SWPPP must include a description of construction and waste materials expected to be stored on-site with updates as appropriate.

E. ***Locations of Other Industrial Stormwater Discharges:*** The SWPPP must describe and identify the location and description of any stormwater discharge associated with industrial activity other than construction at the site. This includes stormwater discharges from dedicated asphalt plants and dedicated concrete plants that are covered by this permit.

5.3 Description of Control Measures to Reduce Pollutant Discharges

A. ***Control Measures:*** The SWPPP must include a description of all control measures that will be implemented to meet the effluent limits in Part 3. For each major activity identified in the project description the SWPPP must clearly document appropriate control measures, the general sequence during the construction process in which the

measures will be implemented, and which operator is responsible for the control measure's implementation.

B. ***Stabilization:*** The SWPPP must include a description of interim and permanent stabilization practices for the site, including a schedule of when the practices will be implemented.

C. ***Post-Authorization Records:*** The following records must be maintained with the SWPPP following authorization under this permit:
   1. Dates when grading activities occur;
   2. Dates when construction activities temporarily or permanently cease on a portion of the site; and
   3. Dates when stabilization measures are initiated.

5.4 Non-Stormwater Discharges

The SWPPP must identify all allowable sources of non-stormwater discharges listed in Part 1.3.B of this permit, except for flows from fire fighting activities that are combined with stormwater discharges associated with construction activity at the site. The SWPPP must also describe the pollution prevention measures used to eliminate or reduce non-stormwater discharges consistent with Part 3.2.

5.5 Documentation of Permit Eligibility Related to Endangered Species

The SWPPP must include documentation supporting a determination of permit eligibility with regard to Endangered Species, including:

A. Information on whether federally-listed endangered or threatened species, or federally-designated critical habitat may be in the project area;

B. Whether such species or critical habitat may be adversely affected by stormwater discharges or stormwater discharge-related activities from the project;

C. Results of the Appendix C listed species and critical habitat screening determinations;

D. Confirmation of delivery of NOI to EPA or to EPA's electronic NOI system. This may include an overnight, express or registered mail receipt acknowledgment; or electronic acknowledgment from EPA's electronic NOI system;

E. Any correspondence for any stage of project planning between the U.S. Fish and Wildlife Service (FWS), EPA, the U.S. National Marine Fisheries Service (NMFS), or others and you regarding listed species and critical habitat, including any notification that delays your authorization to discharge under this permit; and

F. A description of measures necessary to protect federally-listed endangered or threatened species, or federally-designated critical habitat.

5.6 Documentation of Permit Eligibility Related to Total Maximum Daily Loads

The SWPPP must include documentation supporting a determination of permit eligibility with regard to waters that have an EPA-established or approved TMDL, including:

A. Identification of whether your discharge is identified, either specifically or generally, in an EPA-established or approved TMDL and any associated allocations, requirements, and assumptions identified for your discharge;

B. Summaries of consultation with State or Federal TMDL authorities on consistency of SWPPP conditions with the approved TMDL, and

C. Measures taken by you to ensure that your discharge of pollutants from the site is consistent with the assumptions and requirements of the EPA-established or approved TMDL, including any specific wasteload allocation that has been established that would apply to your discharge.

See Part 1.3.C.5 for further information on determining permit eligibility related to TMDLs.

5.7 Copy of Permit Requirements

Copies of this permit and of the signed and certified NOI form that was submitted to EPA must be included in the SWPPP. Also, upon receipt, a copy of the letter from the EPA Stormwater Notice Processing Center notifying you of their receipt of your administratively complete NOI must also be included as a component of the SWPPP.

5.8 Applicable State, Tribal, or Local Programs

The SWPPP must be updated as necessary to reflect any revisions to applicable federal, state, tribal, or local requirements that affect the stormwater controls you implement at your site.

5.9 Inspections

A record of each inspection and of any actions taken in accordance with Part 4 must be retained with the SWPPP for at least three years from the date that permit coverage expires or is terminated. The inspection reports must identify any incidents of non-compliance with the permit conditions. Where a report does not identify any incidents of non-compliance, the report must contain a certification that the construction project or site is in compliance with this permit.

5.10 Maintaining an Updated Plan

The SWPPP must be modified:

A. To reflect modifications to stormwater control measures made in response to a change in design, construction, operation, or maintenance at the construction site that has or could have a significant effect on the discharge of pollutants to the waters of the United States that has not been previously addressed in the SWPPP.

B. If during inspections or investigations by site staff, or by local, state, tribal or federal officials, it is determined that the existing stormwater controls are ineffective in eliminating or significantly minimizing pollutants in stormwater discharges from the construction site.

C. Based on the results of an inspection, as necessary to properly document additional or modified BMPs designed to correct problems identified. Revisions to the SWPPP must be completed within seven (7) calendar days following the inspection.

5.11 Signature, Plan Review and Making Plans Available

A. ***Retention of SWPPP:*** A copy of the SWPPP (including a copy of the permit), NOI, and acknowledgement letter from EPA must be retained at the construction site (or other location easily accessible during normal business hours to EPA, a state, tribal or local agency approving sediment and erosion plans, grading plans, or stormwater management plans; local government officials; the operator of a municipal separate storm sewer receiving discharges from the site; and representatives of the U.S. Fish and Wildlife Service or the National Marine Fisheries Service) from the date of commencement of construction activities to the date of final stabilization. If you have day-to-day operational control over SWPPP implementation, you must have a copy of the SWPPP available at a central location on-site for the use of all those identified as having responsibilities under the SWPPP whenever they are on the construction site. If an on-site location is unavailable to store the SWPPP when no personnel are present, notice of the plan's location must be posted near the main entrance at the construction site.

B. ***Main Entrance Signage:*** A sign or other notice must be posted conspicuously near the main entrance of the construction site. If displaying near the main entrance is infeasible, the notice can be posted in a local public building such as the town hall or public library. The sign or other notice must contain the following information:
   1. A copy of the completed Notice of Intent as submitted to the EPA Stormwater Notice Processing Center; and
   2. If the location of the SWPPP or the name and telephone number of the contact person for scheduling SWPPP viewing times has changed (i.e., is different than that submitted to EPA in the NOI), the current location of the SWPPP and name and telephone number of a contact person for scheduling viewing times.

   For linear projects, the sign or other notice must be posted at a publicly accessible location near the active part of the construction project (e.g., where a pipeline project crosses a public road).

C. ***Availability of SWPPP:*** SWPPPs must be made available upon request by EPA; a state, tribal or local agency approving sediment and erosion plans, grading plans, or stormwater management plans; local government officials; the operator of a municipal separate storm sewer receiving discharges from the site; and representatives of the U.S. Fish and Wildlife Service or the National Marine Fisheries Service to the requestor. The copy of the SWPPP that is required to be kept on-site or

locally available must be made available, in its entirety, to the EPA staff for review and copying at the time of an on-site inspection.

D. ***Signature and Certification:*** All SWPPPs must be signed and certified in accordance with Appendix G, Section 11.

5.12 Requirements for Different Types of Operators

You may meet one or both of the operational control components in the definition of operator found in Appendix A. Part 5.12.C applies to all permittees having control over only a portion of a construction site.

A. If you have operational control over construction plans and specifications, you must ensure that:
   1. The project specifications meet the minimum requirements of this Part and all other applicable permit conditions;
   2. The SWPPP indicates the areas of the project where the operator has operational control over project specifications, including the ability to make modifications in specifications;
   3. All other permittees implementing portions of the SWPPP (or their own SWPPP) who may be impacted by a change to the construction plan are notified of such changes in a timely manner; and
   4. The SWPPP indicates the name of the party(ies) with day-to-day operational control of those activities necessary to ensure compliance with the SWPPP or other permit conditions.

B. If you have operational control over day-to-day activities, you must ensure that:
   1. The SWPPP meets the minimum requirements of this Part and identifies the parties responsible for implementation of control measures identified in the plan;
   2. The SWPPP indicates areas of the project where you have operational control over day-to-day activities;
   3. The SWPPP indicates the name of the party(ies) with operational control over project specifications (including the ability to make modifications in specifications).

C. If you have operational control over only a portion of a larger project (e.g., one of four homebuilders in a subdivision), you are responsible for compliance with all applicable effluent limits, terms, and conditions of this permit as it relates to your activities on your portion of the construction site, including protection of endangered species, critical habitat, and historic properties, and implementation of control measures described in the SWPPP. You must ensure either directly or through coordination with other permittees, that your activities do not render another party's pollutant discharge controls ineffective. You must either implement your portion of a common SWPPP or develop and implement your own SWPPP.
   For more effective coordination of BMPs and opportunities for cost sharing, a cooperative effort by the different operators at a site to prepare and participate in a comprehensive SWPPP is encouraged. Individual operators at a site may, but are not

required to, develop separate SWPPPs that cover only their portion of the project provided reference is made to other operators at the site. In instances where there is more than one SWPPP for a site, cooperation between the permittees is encouraged to ensure the stormwater discharge control measures are consistent with one another (e.g., provisions to protect listed species and critical habitat).

PART 6: TERMINATION OF COVERAGE

6.1 Submitting a Notice of Termination

Submit a complete and accurate Notice of Termination (NOT) either electronically (strongly encouraged) at www.epa.gov/npdes/eNOI or by completing the paper Notice of Termination form included in Appendix F of this permit and submitting that form to the address listed in Part 2.2.

6.2 When to Submit a Notice of Termination

You may only submit a Notice of Termination (NOT) after one or more of the following conditions have been met:

A. Final stabilization has been achieved on all portions of the site for which you are responsible;

B. Another operator has assumed control according to Appendix G, Section 11.C over all areas of the site that have not been finally stabilized;

C. Coverage under an individual or alternative general NPDES permit has been obtained; or

D. For residential construction only, temporary stabilization has been completed and the residence has been transferred to the homeowner.

The NOT must be submitted within 30 days of one of the above conditions being met. Authorization to discharge terminates at midnight of the day the NOT is signed.

PART 7: RETENTION OF RECORDS

Copies of the SWPPP and all documentation required by this permit, including records of all data used to complete the NOI to be covered by this permit, must be retained for at least three years from the date that permit coverage expires or is terminated. This period may be extended by request of EPA at any time.

PART 8: REOPENER CLAUSE

8.1 Procedures for Modification or Revocation

Permit modification or revocation will be conducted according to 40 CFR §122.62, §122.63, §122.64 and §124.5.

8.2 Water Quality Protection

If there is evidence indicating that the stormwater discharges authorized by this permit cause, have the reasonable potential to cause or contribute to an excursion above any applicable water quality standard, you may be required to obtain an individual permit in accordance with Part 2.6 of this permit, or the permit may be modified to include different limitations and/or requirements.

8.3 Timing of Permit Modification

EPA may elect to modify the permit prior to its expiration (rather than waiting for the new permit cycle) to comply with any new statutory or regulatory requirements, such as for effluent limitation guidelines that may be promulgated in the course of the current permit cycle.

PART 9: STANDARD PERMIT CONDITIONS

The federal regulations require that the Standard Conditions provisioned at 40 CFR §122.41 be applied to all NPDES permits. You are required to comply with those Standard Conditions, details of which are provided in Appendix G.

PART 10: PERMIT CONDITIONS APPLICABLE TO SPECIFIC STATES, INDIAN COUNTRY, OR TERRITORIES

The provisions of this Part provide modifications or additions to the applicable conditions of this permit to reflect specific additional conditions required as part of the state or tribal CWA Section 401 certification process, or the Coastal Zone Management Act (CZMA) certification process, or as otherwise established by the permitting authority. The specific additional revisions and requirements only apply to activities in those specific states, Indian country, and federal facilities. States, Indian country, and federal facilities not included in this Part do not have any modifications or additions to the applicable conditions of this permit.

A. Region 1

1. MAR100000: Commonwealth of Massachusetts, except Indian country
   a. State Water Quality Statutes, Regulations, and Policies:
      i. You must comply with the Massachusetts Clean Waters Act (Ch. 21, ss. 26-53).
      ii. You must comply with the conditions in 314 CMR 4.00 - Surface Water Quality Standards.
      iii. You must comply with the conditions in 314 CMR 3.00 - Surface Water Discharge Permit Program.
      iv. You must comply with the Wetlands Protection Act, Ch. 131, s. 40 and its regulations, 310 CMR 10.00 and any order of Conditions issued by a Conservation Commission or a Superseding Order of Conditions issued by the Massachusetts Department of Environmental Protection.

b. Department of Environmental Protection Storm Water Management Policy:
   i. You must comply with the Massachusetts Storm Water Management Policy, and applicable Storm Water Performance Standards, as prescribed by state regulations promulgated under the authority of the Massachusetts Clean Waters Act, MGL Ch. 21, ss. 26-53 and the Wetlands Protection Act Ch. 131, s. 40.
c. Other State Environmental Laws, Regulations, Policies:
   i. You must comply with the Massachusetts Endangered Species Act [MESA] (MGL Ch. 313A and regulations at 321 CMR 10.00) and any actions undertaken to comply with this storm water permit, shall not result in non-compliance with the MESA.
   ii. You must not conduct activities under this permit that will interfere with implementation of mosquito control work conducted in accordance with Chapter 252 including, s. 5A thereunder and MassDEP Guideline Number BRP G01-02, West Nile Virus Application of Pesticides to Wetland Resource Areas and Buffer Zones, and Public Water Systems.
d. Other Department Directives:
   i. The Department may require you to perform water quality monitoring during the permit term if monitoring is necessary for the protection of public health or the environment as designated under the authority at 314 CMR 3.00.
   ii. The Department may require you to provide measurable verification of the effectiveness of BMPs and other control measures in your management program, including water quality monitoring.
   iii. The Department has determined that compliance with this permit does not protect you from enforcement actions deemed necessary by the Department under its associated regulations to address an imminent threat to the public health or a significant adverse environmental impact which results in a violation of the Massachusetts Clean Waters Act, Ch. 21, ss. 26-53.
   iv. The Department reserves the right to modify the 401 Water Quality Certification if any changes, modifications or deletions are made to the general permit. In addition, the Department reserves the right to add and/or alter the terms and conditions of its 401 Water Quality Certification to carry out its responsibilities during the term of this permit with respect to water quality, including any revisions to 314 CMR 4.00, Surface Water Quality Standards.
e. Permit Compliance
   i. Should any violation of the Massachusetts Surface Water Quality Standards (314 CMR 4.00) or the conditions of this certification occur, the Department will direct you to correct the violations(s). The Department has the right to take any action as authorized by the General Laws of the Commonwealth to address the violation of this permit or the MA Clean Waters Act and the regulations promulgated thereunder. Substantial civil and criminal penalties are authorized under MGL Ch. 21, s. 42 for discharging into Massachusetts' waters in violation of an order or permit issued by this Department. This

certification does not relieve you of the duty to comply with other applicable Massachusetts statutes and regulations.

2. NHR100000: State of New Hampshire
   a. If you disturb 100,000 square feet or more of contiguous area, you must also apply for a "Significant Alteration of the Terrain Permit from DES pursuant to RSA 485-A:17 and Env-Ws 415. This requirement applies to the disturbances of only 50,000 square feet when construction occurs within the protected shoreline (see RSA 483-B and Env-Ws 1400).
   b. You must determine that any excavation dewatering discharges are not contaminated before they will be authorized as an allowable non-storm water discharge under this permit (see Subpart 1.3.B). The water is considered uncontaminated if there is no groundwater contamination within 1,000 feet of the discharge. Information on groundwater contamination can be generated over the Internet via the NHDES web site http://www.des.state.nh.us (One Stop Data Retrieval, Onestop Master Site Table). The web site also provides E-mail access to an NHDES Site Remediation Contact to answer questions about using the Web site.
   c. You must treat any uncontaminated excavation dewatering discharges as necessary to remove suspended solids and turbidity. The discharges must be sampled at a location prior to mixing with storm water at least once per week during weeks when discharges occur. The samples must be analyzed for total suspended solids (TSS) and must meet monthly average and maximum daily TSS limitations of 50 milligrams per liter (mg/L) and 100 mg/L, respectively. TSS (a.k.a. Residue, Nonfilterable) analysis and sampling must be performed in accordance with Tables IB (parameter, units and method) and II (required containers, preservation techniques and holding times) in 40 CFR 136.3 (see: http://www.access.gpo.gov/nara/cfr/waisidx_02/40cfr136_02.html). Records of any sampling and analysis must be maintained and kept with the SWPPP for at least three years after final site stabilization.
   d. During site design and preparation of the storm water pollution prevention plan (SWPPP), you must consider opportunities for groundwater recharge using on-site infiltration. The SWPPP must include a description of any on-site infiltration that will be installed as a post construction storm water management measure (see Subpart 3.4.E) or reasons for not employing such measures. For design considerations for infiltration measures see the September 2001 DES publication titled "Managing Storm Water as a Valuable Resource" which is available online at: http://www.des.state.nh.us/StormWater/construction.htm. Loss of annual recharge to groundwater should be minimized through the use of infiltration measures wherever feasible.

B. Region 2 – No additional requirements.

C. Region 5

1. MNR100000: Indian Country within the State of Minnesota

a. *Fond du Lac Band of Lake Superior Chippewa*

i. A copy of the Storm Water Pollution Prevention Plan must be submitted to the following office at least thirty (30) days in advance of sending the Notice of Intent (NOI) to EPA:

Fond du Lac Reservation
Office of Water Protection
1720 Big Lake Road
Cloquet, MN 55720

CGP applicants are encouraged to work with the FDL Office of Water Protection in the identification of all proposed receiving waters.

ii. Copies of the NOI and the Notice of Termination (NOT) must be sent to the Fond du Lac Office of Water Protection at the same time they are submitted to EPA.

iii. This certification does not pertain to any new discharge to Outstanding Reservation Resource Waters (ORRW) as described in §105 b.3 of the Fond du Lac Water Quality Standards (Ordinance #12/98). Although additional waters may be designated in the future, currently Perch Lake, Rice Portage Lake, Miller Lake, Deadfish Lake and Jaskari Lake are designated as ORRWs. New dischargers wishing to discharge to an ORRW must obtain an individual permit for stormwater discharges from large and small construction activities.

iv. All work shall be carried out in such a manner as will prevent violations of water quality criteria as stated in the Water Quality Standards of the Fond du Lac Reservation, Ordinance 12/98 as amended. This includes, but is not limited to, the prevention of any discharge that causes a condition in which visible solids, bottom deposits, or turbidity impairs the usefulness of water of the Fond du Lac Reservation for any of the uses designated in the Water Quality Standards of the Fond du Lac Reservation. These uses include wildlife, aquatic life, warm and cold water fisheries, subsistence fishing (netting), primary contact recreation, cultural, wild rice areas, aesthetic waters, agriculture, navigation and commercial.

v. Appropriate steps shall be taken to ensure that petroleum products or other chemical pollutants are prevented from entering waters of the Fond du Lac Reservation. All spills must be reported to the appropriate emergency management agency, and measures shall be taken immediately to prevent the pollution of waters of the Fond du Lac reservation, including groundwater.

vi. This certification does not authorize impacts to cultural, historical, or archeological features or sites, or properties that may be eligible for such listing.

b. *Grand Portage Band of Lake Superior Chippewa* **[Coverage not yet available]**

2. WIR100000: Indian Country within the State of Wisconsin, except the Sokaogon Chippewa Community.

a. No additional requirements

Note: Facilities within the Sokaogon Chippewa Community are not eligible for stormwater discharge coverage under this permit. Contact the Region 5 office for an individual permit application.

D. Region 6

1. NMR100000: The State of New Mexico, except Indian country
   a. In addition to all other provisions of this permit, operators who intend to obtain authorization under this permit for all new stormwater discharges must satisfy the conditions in Part 10.C.1.b., unless a TMDL has been established for the receiving stream which specifies a waste load allocation (WLA) for construction stormwater discharges or the receiving stream is a Tier 3 water, in which case Part 10.C.1.c. applies.
   b. The SWPPP must include site-specific interim and permanent stabilization, managerial, and structural solids, erosion, and sediment control best management practices (BMPs) and/or other controls that are designed to prevent to the maximum extent practicable an increase in the sediment yield and flow velocity from pre-construction, pre-development conditions to assure that applicable standards in 20.6.4 NMAC, including the antidegradation policy, or WLAs are met. This requirement applies to discharges both during construction and after construction operations have been completed. The SWPPP must identify, and document the rationale for selecting these BMPs and/or other controls. The SWPPP must also describe design specifications, construction specifications, maintenance schedules (including a long term maintenance plan), criteria for inspections, as well as expected performance and longevity of these BMPs. BMP selection must be made based on the use of appropriate soil loss prediction models (such as SEDCAD 4.0, RUSLE, SEDIMOT II, MULTISED, etc.), or equivalent, generally accepted (by professional erosion control specialists), soil loss prediction tools. The operator(s) must demonstrate, and include documentation in the SWPPP, that implementation of the site-specific practices will assure that the applicable standards or WLAs are met, and will result in sediment yields and flow velocities that, to the maximum extent practicable, will not be greater than the sediment yield levels and flow velocities from pre-construction, pre-development conditions. The SWPPP must be prepared in accordance with good engineering practices by qualified (e.g., CPESC certified, engineers with appropriate training, etc.) erosion control specialists familiar with the use of soil loss prediction models and design of erosion and sediment control systems based on these models (or equivalent soil loss prediction tools). The operator(s) must design, implement, and maintain BMPs in the manner specified in the SWPPP.
   c. Operators are not eligible to obtain authorization under this permit for all new stormwater discharges to outstanding national resource waters (ONRWs) (also referred to as "Tier 3: waters). According to the Antidegradation Policy at Paragraph 3 of Subsection A of 20.6.4.8 NMAC, in part, "ONRWs may include, but are not limited to, surface waters of the state within national and state monuments, parks, wildlife refuges, waters of exceptional recreational or

ecological significance, and waters identified under the Wild and Scenic Rivers Act." No ONRWs exist at the time this permit is being finalized; however, during the term of the permit, if a receiving water is designated as an ONRW, the operator must obtain an individual permit for stormwater discharges from large and small construction activities.

d. Stormwater discharges associated with construction activity that the State has determined to be or may reasonably be expected to be contributing to a violation of an applicable standard, including the antidegradation policy, are not authorized by this permit. *Note: Upon receipt of this determination, NMED anticipates that, within a reasonable period of time, EPA will notify the general permittee to apply for and obtain an individual NPDES permit for these discharges per 40 CFR Part 122.28(b)(3).*

e. Inspections required under Part 4 must be conducted at least once every 14 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater. The option for inspections at least once per 7 calendar days is not available. The Inspection Waivers provided in Part 4.B and C still apply.

f. Permittees can use temporary erosion controls as described in item 3 of the Appendix A definition of "Final Stabilization" as a method for final stabilization under the permit only under the following conditions:

   If this option is selected, you must notify SWQB at the address listed in item g. below at the time the NOT is submitted to EPA. The information to be submitted includes:

- A copy of the NOT;
- Contact information, including individual name or title, address, and phone number for the qualified (see CGP Part 4.10.D) party responsible for implementing the final stabilization measures; and
- The date that the temporary erosion control practice was implemented (this is always prior to, and sometimes significantly prior to, submission of an NOT) and the projected timeframe that the 70% native vegetative cover requirements are expected to be met. (Note that if more than three years is required to establish 70 percent of the natural vegetative cover, this technique cannot be used or cited for fulfillment of the final stabilization requirement – you remain responsible for establishment of final stabilization)

   SWQB also requires that you periodically (minimum once/year) inspect and properly maintain the area until the criteria for final stabilization, as defined in Appendix A, item 3 of the CGP, have been met. You must prepare an inspection report documenting the findings of these inspections and signed in accordance with Appendix G, Section 11 of the CGP. This inspection record must be retained along with the SWPPP for three years after the NOT is submitted for the site and additionally submitted to SWQB at the address listed in item g. below. The inspections must at a minimum include the following:

- Observations of all areas of the site disturbed by construction activity;

- Best Management Practices (BMPs)/post-construction storm water controls must be observed to ensure they are effective;
- An assessment of the status of vegetative re-establishment; and
- Corrective actions required to ensure vegetative success within three years, and control of pollutants in storm water runoff from the site, including implementation dates.

Signed copies of discharge monitoring reports, individual permit applications, and all other reports required by the permit to be submitted, shall also be sent to:

Program Manager
Point Source Regulation Section
Surface Water Quality Bureau
New Mexico Environment Department
P.O. Box 26110
Santa Fe, NM 87502

2. NMR10000I: Indian country within the State of New Mexico, except Navajo Reservation Lands that are covered under Arizona permit AZR10000I and Ute Mountain Reservation Lands that are covered under Colorado permit COR10000I
   a. *Pueblo of Acoma.* The following conditions apply only to facilities on or bordering the Pueblo of Acoma with discharges into or flowing into waters of the Pueblo.
      i. A copy of the Notice of Intent and Notice of Termination must be submitted to the Haaku Water Office at the address below at the same time they are submitted to EPA. A copy of the storm water pollution prevention plan must be provided to the Haaku Water Office upon request.
      ii. HAAKU WATER OFFICE
      PO Box 309
      Pueblo of Acoma, NM 87034
   b. *Pueblo of Isleta.* The following conditions apply only to discharges on the Pueblo of Isleta.
      i. Subpart 1.3.C.4, (Eligibility, Limitations on Coverage) first sentence, is revised to read: "This permit does not authorize discharges that EPA or the Pueblo of Isleta, prior to authorization under this permit, determines will cause, have the reasonable potential to cause, or contribute to an excursion above any applicable water quality standard or impairment of a designated use of receiving waters."
      ii. Subpart 2.2. (How to Submit) is amended to require: Copies of all Notices of Intent submitted to EPA must also be sent concurrently to the Pueblo of Isleta at the following address. Discharges are not authorized by this permit unless an accurate and complete Notice of Intent has been submitted to the Pueblo of Isleta.

      <u>Regular U.S. Mail Delivery</u>
      Natural Resources Department
      Pueblo of Isleta

P.O. Box 1270
Isleta, NM 87022

Overnight/Express Mail Delivery
Natural Resources Department
Building L
11000 Broadway, SE
Albuquerque, NM 87105

iii. Part 2 (Authorizations for Discharges of Storm Water from Construction Activity), second sentence, is amended to read: "Discharges are not authorized if your NOI is incomplete or inaccurate, if you failed to submit a copy of the NOI to the Pueblo of Isleta, or if you were never eligible for permit coverage.

iv. Subpart 5.3 (Description of Control Measures to Reduce Pollutant Discharges), section A, last sentence, is amended to read: "For each major activity identified in the project description the SWPPP must clearly describe appropriate control measures, the general sequence during the construction process in which the measures will be implemented, and which operator is responsible for the control measure's implementation and maintenance."

v. Subpart 5.7 (Copy of Permit Requirements), first sentence, is revised to read "Copies of this permit and of the signed and certified NOI form that was submitted to the Pueblo of Isleta and EPA must be included in the SWPPP."

vi. Subpart 4. (Inspections), section A is revised to read "Inspections must be conducted at least once every 7 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater."

vii. Subpart 4. (Inspections), section H, last paragraph, is amended to add: "Copies of inspection reports that identify incidents of noncompliance shall be sent to Pueblo of Isleta at the address listed in Subpart 2.2." (See above)

viii. Subpart 5.11. (Signature, Plan Review and Making Plans Available), section A, first sentence is amended to read:

"A copy of the SWPPP (including a copy of the permit), NOI, and acknowledgement letter from EPA must be retained at the construction site (or other location easily accessible during normal business hours to the Pueblo of Isleta's Natural Resources Department, EPA, a state, tribal or local agency approving sediment and erosion plans, grading plans, or storm water management plans; local government officials; the operator of a municipal separate storm sewer receiving discharges from the site; and representatives of the U.S. Fish and Wildlife Service or the National Marine Fisheries Service) from the date of commencement of construction activities to the date of final stabilization."

ix. Subpart 5.11. (Signature, Plan Review and Making Plans Available), section C. is amended to read: "SWPPPs must be made available upon request by EPA; representatives of the Pueblo of Isleta Natural Resources Department, a state, tribal or local agency approving sediment and erosion plans, grading

plans, or storm water management plans; local government officials; the operator of a municipal separate storm sewer receiving discharges from the site; and representatives of the U.S. Fish and Wildlife Service or the National Marine Fisheries Service to the requestor. The copy of the SWPPP that is required to be kept on-site or locally available must be made available, in its entirety, to the EPA staff and the Pueblo of Isleta's Natural Resources Department staff for review and copying at the time of an on-site inspection.

x. Subpart 3.1.A (Sediment Controls), is amended to add: "Erosion and sediment controls shall be designed to retain sediment on-site."

xi. Subpart 3.1.I (Spills/Releases in Excess of Reportable Quantities), first bullet is amended to read: "you must provide notice to the Pueblo of Isleta Natural Resources Department (505-869-5748) and the National Response Center (NRC) (800–424–8802; in the Washington, DC, metropolitan area call 202–426– 2675) in accordance with the requirements of 40 CFR Part 110, 40 CFR Part 117 and 40 CFR Part 302 as soon as site staff have knowledge of the discharge; and"

xii. Subpart 3.4.B (Attainment of Water Quality Standards After Authorization), is amended to add: "You must provide the Pueblo of Isleta, at the address listed in Subpart 2.2, with a copy of the EPA notification, modifications to your storm water controls, data and certification required by EPA."

xiii. Subpart 6.1. (Submitting a Notice of Termination) is amended to add: Copies of all Notices of Termination submitted to EPA must also be sent concurrently to the Pueblo of Isleta at the following address in Subpart 2.2.

xiv. Any correspondence, other than NOIs and NOTs, with the Pueblo of Isleta concerning storm water discharges authorized by this permit shall sent one of the addresses in Subpart 2.2.

xv. Appendix G, Section 9, first sentence is amended to read: "You must allow the Pueblo of Isleta's Natural Resources Department, EPA, or an authorized representative (including an authorized contractor acting as a representative of the Administrator), upon presentation of credentials and other documents as may be required by law, to:..."

xvi. Appendix G, Section 12, subsections A- H are amended to require that when you must notify EPA of an event (e.g., planned changes, anticipated noncompliance, transfers, required reporting due to potential adverse effects or environmental impacts or other noncompliance matters), the Pueblo of Isleta must also be notified.

xvii. Parties wishing to apply for an Equivalent Analysis Waiver (see Appendix D, Section C) must provide a copy of the waiver analysis to the Pueblo of Isleta at the address specified in Subpart 2.2 at the time it is submitted to EPA.

c. *Ohkay Owingeh (San Juan Pueblo).* The following conditions apply only to discharges on Ohkay Owinegeh.

i. Copies of the Notice of Intent (NOI) and Notice of Termination (NOT) must be provided to the Pueblo at the time it is provided to the Environmental Protection Agency, at the following address. A copy of the Storm Water Pollution Prevention Plan must be provided to the Pueblo upon request.

Office of Environmental Affairs
P.O. Box 717
Ohkay Owingeh, NM 87566

ii. Appendix G, Section 10 (Monitoring and records), item D is amended to add: "All monitoring must be conducted in accordance with the Pueblo of San Juan's Quality Assurance Project Plan."

d. *Pueblo of Nambé.* The following conditions apply only to discharges on the Pueblo of Nambé.

i. Copies of the Notice of Intent (NOI), Notice of Termination (NOT), and any analytical data must be provided to the Nambé Pueblo Department of Environment and Natural Resources (DENR) at the time it is provided to the Environmental Protection Agency, at the following address. A copy of the Storm Water Pollution Prevention Plan must be provided to the Pueblo upon request.

ii. All correspondence chall be sent to:

Pueblo of Nambé
Department of Environment and Natural Resources
Rt. 1 Box 117-BB
Santa Fe, NM 87506
505-455-2036 ext. 120 fax: 505-455-8873

e. *Pueblo of Picuris.* The following conditions apply only to discharges on the Pueblo of Picuris.

i. Copies of the Notice of Intent (NOI), Notice of Termination (NOT), and any analytical data (e.g. Discharge Monitoring Reports, etc.) or any other reports must be provided to the Pueblo at the time it is provided to the Environmental Protection Agency. A copy of the Storm Water Pollution Prevention Plan must be provided to the Pueblo upon request.

ii. All correspondence shall be sent to:

Cordell Arellano
Director, Environment Department
Pueblo of Picuris
PO Box 158
Penasco, NM 87553

f. *Pueblo of Pojoaque.* The following conditions apply only to discharges on the Pueblo of Pojoaque.

i. Copies of the Notice of Intent (NOI), Notice of Termination (NOT), and any analytical data (e.g. Discharge Monitoring Reports, etc.) or any other reports must be provided to the Pueblo at the time it is provided to the Environmental Protection Agency. A copy of documents related to the

Storm Water Pollution Prevention Plan must be provided to the Pueblo upon request.

ii. All correspondence shall be sent to:

Luke Mario Duran
Director, Environment Department
Pueblo of Pojoaque
5 West Gutierrez, Suite 2b
Santa Fe, NM 87506

g. *Pueblo of Taos.* The following conditions apply only to discharges on the Pueblo of Taos.

i. Copies of the Notice of Intent (NOI) and Notice of Termination (NOT) must be provided to the Taos Pueblo Governor's Office and the Taos Pueblo Environmental Office at the same time as or prior to submission to the Environmental Protection Agency. A copy of the Storm Water Pollution Prevention Plan must be provided to Pueblo environmental personnel upon request.

ii. All correspondence for both the Taos Pueblo Governor's Office and the Taos Pueblo Environmental Office (same address) shall be sent to:

Governor/ Taos Pueblo Environmental Office (as applicable)
Taos Pueblo
PO Box 1846
Taos, NM 87571

h. *Pueblo of Sandia.* The following conditions apply only to discharges on the Pueblo of Sandia.

i. A copy of the Notice of Intent (NOI) must be provided to the Pueblo at the same, (or prior to) the time it is submitted to the Environmental Protection Agency.

ii. The Pueblo of Sandia objects to use of Low Rainfall Erosivity Waivers (see Appendix D, Part A) for any small construction activities on the Pueblo, so this waiver will not be available for construction projects on the Pueblo. Permittees wishing to apply for all other waivers (see Appendix D) must provide a copy of the waiver certification or analysis to the Pueblo of Sandia Environment Department.

iii. The Storm Water Pollution Prevention Plan (SWPPP) must be available to the Pueblo of Sandia either electronically or hard copy upon request for review. The SWPPP must be made available at least fourteen (14) days before construction begins. The fourteen (14) day period will give Tribal staff time to become familiar with the project site, prepare for construction inspections, and determine compliance with the Pueblo of Sandia Water Quality Standards. Failure to provide a SWPPP to the Pueblo of Sandia may result in denial of the discharge or construction delay.

iv. Discharges are not authorized by this permit unless and until:

a. An accurate and complete NOI has been submitted to the Pueblo; AND

b. An "Authorization to Proceed Letter" with any site specific mitigation requirements has been received from the Pueblo of Sandia following their review of the NOI and SWPPP and the permittee complies with all applicable requirements therein.

v. Before submitting a Notice of Termination (NOT), permittees must clearly demonstrate to the Pueblo of Sandia Environment Department though a site visit or documentation that requirements for site stabilization have been met and any temporary erosion control structures have been removed (or operational control is being passed to another operator). A short letter concurring that conditions for submittal of an NOT have met will be sent to the permittee by the Pueblo. Upon receipt of this letter, and provided the all other applicable requirements of the permit are met, the permittee will be eligible to submit and NOT.

vi. You must telephone the Pueblo of Sandia Environment Department at (505) 867-4533 of any noncompliance that may endanger human health or the environment within ten (10) hours of becoming aware of the circumstance.

vii. All corresondance shall be sent to:

Scott Bulgrin, Water Quality Manager
Pueblo of Sandia
481 Sandia Loop
Bernalillo, NM 87004

i. *Santa Clara Pueblo.* The following conditions apply only to discharges on the Santa Clara Pueblo.

i. Copies of the Notice of Intent (NOI) and Notice of Termination (NOT) must be provided to the Pueblo of Santa Clara Office of Environmental Affairs when they are submitted to the Environmental Protection Agency.

ii. A copy of the storm water pollution prevention plan must be made available to the Pueblo of Santa Clara Office of Environmental Affairs upon request.

iii. Construction site operators must notify the Pueblo of Santa Clara Office of Environmental Affairs by telephone at (505) 753-7326 of any non-compliance discharges that may endanger human health or the environment within twenty-fout (24) hours of becoming aware of the discharge.

iv. All correspondence shall be sent to:

Santa Clara Office of Environmental Affairs Taos Pueblo
One Kee Street
PO Box 580
Espanola, NM 87532
505-753-7326 Tel
505-747-2728 Fax

j. *Pueblo of Tesuque.* The following conditions apply only to discharges on the Pueblo of Tesuque.

i. Copies of the Notice of Intent (NOI), Notice of Termination (NOT), and any analytical data (e.g. Discharge Monitoring Reports, etc.) or any other

reports must be provided to the Pueblo at the time it is provided to the Environmental Protection Agency.

ii. A copy of documents related to the Storm Water Pollution Prevention Plan must be provided to the Pueblo upon request.

iii. All correspondence shall be sent to:

Ryan Swazo-Hinds
Sr. Envirionmental Technician
Pueblo of Tesuque
Environment Department
Rt. 42, Box 360-T
Santa Fe, NM 87506

3. OKR10000F: Discharges in the State of Oklahoma that are not under the authority of the Oklahoma Department of Environmental Quality, including activities associated with oil and gas exploration, drilling, operations, and pipelines (includes SIC Groups 13 and 46, and SIC codes 492 and 5171), and point source discharges associated with agricultural production, services, and silviculture (includes SIC Groups 01, 02, 07, 08, 09).
   a. In accordance with Oklahoma's Water Quality Standards (OAC 785:45-5-25), Subpart 1.3.C. (Limitations on Coverage) is modified to add paragraphs 8 and 9 as follows:

      "8. For activities located within the watershed of any Oklahoma Scenic River, including the Illinois River, Flint Creek, Barren Fork Creek, Upper Mountain Fork, Little Lee Creek, and Big Lee Creek or any water or watershed designated "ORW" (Outstanding Resource Water) in Oklahoma's Water Quality Standards, this permit may only be used to authorize discharges from temporary construction activities. Discharges from any on-going activities such as sand and gravel mining or any other mineral mining are not authorized.

      9. For activities located within the watershed of any Oklahoma Scenic River, including the Illinois River, Flint Creek, Barren Fork Creek, Upper Mountain Fork, Little Lee Creek, and Big Lee Creek or any water or watershed designated "ORW" (Outstanding Resource Water) in Oklahoma's Water Quality Standards, this permit may not be used to authorize discharges from support activities, including concrete or asphalt batch plants, equipment staging yards, material storage areas, excavated material disposal areas, or borrow areas."

4. OKR10000I: Indian country within the State of Oklahoma.
   a. In order to protect downstream waters subject to the state of Oklahoma's Water Quality Standards (OAC 785:45-5-25) where receiving waters flow from Indian Country to State waters, Subpart 1.3.C. (Limitations on Coverage) is modified to add paragraphs 8 and 9 as follows:

      "8. For activities located within the watershed of any Oklahoma Scenic River, including the Illinois River, Flint Creek, Barren Fork Creek, Upper Mountain Fork, Little Lee Creek, and Big Lee Creek or any water or watershed designated

"ORW" (Outstanding Resource Water) in Oklahoma's Water Quality Standards, this permit may only be used to authorize discharges from temporary construction activities. Discharges from any on-going activities such as sand and gravel mining or any other mineral mining are not authorized.

9. For activities located within the watershed of any Oklahoma Scenic River, including the Illinois River, Flint Creek, Barren Fork Creek, Upper Mountain Fork, Little Lee Creek, and Big Lee Creek or any water or watershed designated "ORW" (Outstanding Resource Water) in Oklahoma's Water Quality Standards, this permit may not be used to authorize discharges from support activities, including concrete or asphalt batch plants, equipment staging yards, material storage areas, excavated material disposal areas, or borrow areas."

b. *Pawnee Nation of Oklahoma.* The following conditions apply only to discharges on the Pawnee Nation of Oklahoma.
   i. Copies of the Notice of Intent (NOI) and Notice of Termination (NOT) must be provided to the Pawnee Nation at the same time they are submitted to the Environmental Protection Agency.
   ii. A copy of the storm water pollution prevention plan must be made available to Pawnee Nation Department of Environmental Conservation and Safety upon request.
   iii. Construction site operators must notify the Pawnee Nation Department of Environmental Conservation and Safety by telephone at (918) 762-3655 immediately of any non-compliance with any provision of the permit conditions.
   iv. All correspondence shall be sent to:

   Pawnee Nation
   Department of Environmental Conservation and Safety
   PO Box 470
   Pawnee, OK 74058

5. TXR10000F: Discharges in the State of Texas that are not under the authority of the Texas Commission on Environmental Quality, including activities associated with the exploration, development, or production of oil or gas or geothermal resources, including transportation of crude oil or natural gas by pipeline.

   NOTE: This permit does not create an obligation to obtain a permit where such obligation does not already exist under federal statute or regulation. For more information on the Clean Water Act §§ 402(l)(2) permitting exemption for uncontaminated discharges of storm water from oil and gas exploration, production, processing, or treatment operations or transmission facilities, visit: http://cfpub.epa.gov/npdes/stormwater/oilgas.cfm

D. Region 8

1. MTR10000I:

   a. Confederated Salish and Kootenai Tribes. The following conditions only apply for projects on the Flathead Indian Reservation:

i. Permittees must send a Stormwater Pollution Prevention Plan (SWPPP) to the Tribe at least 30 days before construction starts;
ii. Before submitting a Notice of Termination (NOT), permittees must clearly demonstrate to an appointed tribal staff person during an on-site inspection that requirements for site stabilization have been met;
iii. Permittees submitting electronic Notices of Intents (eNOI's) to USEPA must cc a copy to NRD-EPD@cskt.org; and
iv. Written NOIs, SWPPPs, and NOTs shall be mailed to:

Confederated Salish and Kootenai Tribes
National Resources Department
Department Head
P.O. Box 278
Pablo, MT 59855

Permittees may also submit their SWPPP and NOT to NRD-EPD@cskt.org

b. Fort Peck Tribes. The following conditions only apply for projects on the Fort Peck Indian Reservation:
i. The permittee must send a copy of the Notice of Intent (NOI) and the Notice of Termination (NOT) to the Tribes at the same time that the NOI and NOT is submitted to EPA. Copies of the NOI and NOT shall be accepted either electronically or hard copy format and should be sent to:

Deb Madison
Environmental Programs Manager
Fort Peck Assiniboine & Sioux Tribes
P.O. Box 1027
Poplar, MT 59255
Tel: 406.768.2389 Fax: 406.768.5606
E-mail: 2horses@nemont.net

ii. A copy of the proposed SWPPP at the time of NOI/NOT submissions must be sent to the Tribes to ensure that upon closure of the site and/or activities all environmental commitments have been met.

c. Northern Cheyenne Reservation. The following conditions only apply for projects on the Northern Cheyenne Indian Reservation:
i. Permittees must contact the Northern Cheyenne Environmental Protection Department at (406) 477-6506 prior to authorization to discharge under the general permit;
ii. The Tribe shall review and approve SWPPPs prior to approval; and
iii. The Tribe shall review and improve BMPs on site to ensure that Tribal water quality standards are protected.

E. Region 9

1. ASR100000: The Island of American Samoa
   a. Discharges authorized by the general permit shall meet all applicable American Samoa water quality standards.
   b. Permittees discharging under the general permit shall comply with all conditions of the permit.

3. AZR10000I: Indian country lands within the State of Arizona, including Navajo Reservation lands in New Mexico and Utah
   a. White Mountain Apache Tribe. The following condition applies only for projects on the White Mountain Apache Reservation: All NOIs for proposed stormwater discharge coverage shall be provided to the following address:

      Tribal Environmental Planning Office
      P.O. Box 2109
      Whiteriver, AZ 85941

   b. Hoopa Valley Tribe. The following conditions apply only for projects on the Hoopa Valley Reservation:
      i. All notices of intent submitted for stormwater discharges under the general permit in Hoopa Valley Indian Reservation (HVIR) shall be submitted to the Tribal Environmental Protection Agency (TEPA); and
      ii. All pollution prevention plans for stormwater discharge in HVIR shall be submitted to TEPA for review and approval.

   c. 29 Palms Band of Mission Indians. The following conditions apply only for projects on the 29 Palms Band of Mission Indians Reservation:
      i. The 29 Palms Tribal EPA is informed of any future changes made to the proposed CGP;
      ii. For each permitted activity, the U.S. EPA will ensure that all terms and conditions of the proposed CGP are complied with;
      iii Notices of intent must be submitted to the 29 Palms Tribal EPA for review, comment and tracking;
      iv. Copies of stormwater pollution prevention plans (SWPPPs) and supporting Best Management Practices (BMPs) must be submitted to the 29 Palms Tribal EPA for review and compliance;
      v. Copies of all monitoring reports must be provided to the 29 Palms Tribal EPA;
      vi. Depending on the permitted activity, the 29 Palms Tribal EPA reserves the right to stipulate additional monitoring requirements; and
      vii. In order to meet the requirements of Tribal law, including water quality standards, each of the conditions cited in the proposed CGP and the Twenty-Nine Palms Band of Mission Indians certification shall not be made any less stringent.

d. Hualapai Tribe. The following conditions apply only for projects on the Hualapai Reservation:

   i. All notices of intent for proposed stormwater discharges under the CGP and all pollution prevention plans for stormwater discharges on Hualapai Tribal lands shall be submitted to the Water Resource Program through the Tribal Chairman for review and approval, P.O. Box 179, Peach Springs, AZ 86434.

e. Pyramid Lake Paiute Tribe. The following conditions apply only for projects on the Pyramid Lake Paiute Reservation:

   i. All notices of intent (NOIs) must be submitted to the Tribe for review, comments and tracking;

   ii. copies of all Stormwater Pollution Prevention Plan (SWPPPs) and supporting Best Management Practices (BMPs) must be submitted to the Pyramid Lake Paiute Tribe for review and concurrence;

   iii. copies of the criteria for Effluent Limitations Guidelines (ELGs) and the criteria for proposed Qualifying Local Programs (QLPs) to be used for sediment and erosion control pursuant to 40 CFR 122.44(s) be provided to the Pyramid Lake Paiute Tribe; and

   iv. copies of all monitoring reports must be provided to the Pyramid Lake Paiute Tribe.

4. MPR100000: Commonwealth of the Northern Mariana Islands (CNMI)

   a. An Earthmoving and Erosion Control Permit shall be obtained from the CNMI DEQ prior to any construction activity covered under the NPDES general permit.

   b. All conditions and requirements set forth in the USEPA NPDES general permit for discharges from large and small construction must be complied with.

   c. A SWPPP for storm water discharges from construction activity must be approved by the Director of the CNMI DEQ prior to the submission of the NOI to USEPA. The CNMI address for the submittal of the SWPPP for approval is:

      Commonwealth of the Northern Mariana Islands
      Office of the Governor
      Director, Division of Environmental Quality (DEQ)
      P.O. Box 501304 C.K.
      Saipan, MP 96950-1304

   d. An NOI to be covered by the general permit for discharges from large and small construction sites must be submitted to CNMI DEQ (use above address) and USEPA, Region 9, in the form prescribed by USEPA, accompanied by a SWPPP approval letter from CNMI DEQ.

   e. The NOI must be postmarked seven (7) calendar days prior to any storm water discharges and a copy must be submitted to the Director of CNMI DEQ (use above address) no later than seven (7) calendar days prior to any stormwater discharges.

f. Copies of all monitoring reports required by the NPDES general permit must be submitted to CNMI DEQ (use above address).

g. In accordance with section 10.3(h) and (i) of the CNMI water quality standards, CNMI DEQ reserves the right to deny coverage under the general permit and to require submittal of an application for an individual NPDES permit based on a review of the NOI or other information made available to the Director.

F. Region 10

1. AKR100000: The State of Alaska, except Indian country

a. For Storm Water Pollution Prevention Plans

i. Operators of construction projects disturbing at least one acre of land but less than five acres of land shall submit a copy of the Notice of Intent (NOI) to the Alaska Department of Environmental Conservation (ADEC) at the same time it is submitted to the EPA. Submittals to ADEC shall be made to the following address

Alaska Department of Environmental Conservation
Wastewater Discharge/Storm Water
555 Cordova St.
Anchorage, AK 99501

ii. Operators of construction projects that disturb five or more acres of land and that are located outside the areas of the local governments described in numbers iii, iv, v, or vi below, shall submit a copy of the Storm Water Pollution Prevention Plan (SWPPP) and a copy of the NOI to ADEC for review. The SWPPP shall be accompanied by the state-required plan review fee (see 18 AAC 72.955).

iii. Within the Municipality of Anchorage

(1) Operators of construction projects disturbing one or more acres of land shall submit a copy of the SWPPP to either ADEC or the Municipality based on the project type and operator as shown in the following table

Project Type	Submit SWPPP to
Government (federal, state, municipal) road projects and other government transportation projects such as ports, railroads or airports	ADEC
Utility projects for which the utility is initiating the work	Municipality
Work that requires a Building Permit	Municipality
Non-publicly funded transportation projects	Municipality

(2) Submittal of the SWPPP to the Municipality should be made before or at the same time the NOI is submitted to the EPA and ADEC and shall be accompanied by any Municipality-required fee. Copies of the SWPPP shall be submitted to the Municipality at the following address

Municipality of Anchorage
Office of Planning Development and Public Works
4700 South Elmore Rd.
PO Box 196650
Anchorage, AK 99519-6650

(3) Submittals to ADEC shall include a copy of the SWPPP and a copy of the NOI for review and shall be accompanied by the state-required plan review fee (see 18 AAC 72.995).

iv. Within the urbanized area boundary of the Fairbanks North Star Borough check with the Borough for the latest requirements.

Fairbanks North Star Borough
Department of Public Works
PO Box 71267
Fairbanks, AK 99707

v. Within the urbanized area boundary of the City of Fairbanks

(1) Operators of privately-funded construction projects disturbing one or more acres of land shall submit a copy of the SWPPP to the City of Fairbanks.

(2) Submittal of the SWPPP to the City of Fairbanks should be made before or at the same time the NOI is submitted to the EPA and ADEC and shall be accompanied by any City-required fee. Copies of the SWPPP shall be submitted to the City of Fairbanks at the following address

City of Fairbanks
Engineering Division
800 Cushman St
Fairbanks, AK 99701

(3) Operators of publicly-funded projects disturbing one or more acres of land shall submit a copy of the SWPPP and a copy of the NOI to ADEC for review, and shall be accompanied by the state-required plan review fee (see 18 AAC 72.995).

vi. Within the urbanized area boundary of the City of North Pole

(1) Operators of privately-funded construction projects disturbing one or more acres of land shall submit a copy of the SWPPP to the City of North Pole.

(2) Submittal of the SWPPP to the City of North Pole should be made before or at the same time the NOI is submitted to the EPA and ADEC and shall be accompanied by any City-required fee. Copies of the SWPPP shall be submitted to the City of North Pole at the following address

City of North Pole
Department of Public Works
125 Snowman Lane
North Pole, AK 99705

(3) Operators of publicly-funded projects disturbing one or more acres of land shall submit a copy of the SWPPP and a copy of the NOI to ADEC for review, and shall be accompanied by the state-required plan review fee (see 18 AAC 72.995).

vii. For hardrock mines that are designed to process 500 or more tons per day and intend to file a Notice of Intent to begin construction under this permit

(1) The operator shall submit their SWPPP to ADEC for review at least 90 days before the start of construction,

(2) Representatives of the operator and the prime site construction contractor shall meet with ADEC representatives in a pre-construction conference at least 20 days before the start of construction to discuss the details of the SWPPP and stormwater management during construction,

(3) The operator shall submit to ADEC addendums to the SWPPP that address any planned physical alterations, additions to the permitted facility, or unanticipated conditions that arise during planned construction that could significantly change the nature, or increase the quantity, of pollutants discharged from the facility, and

(4) The operator shall have at least one person on-site during construction who is qualified and trained in the principles and practices of erosion and sediment control and has the authority to direct the maintenance of storm water best management practices.

b. For Post-Construction (Permanent) Storm Water Control Measures (Section 3.1.E *[Post-Construction Stormwater Management]* of the CGP)

   i. Operators of construction projects who construct, alter, install, modify, or operate any part of a storm water treatment system and are located outside the Municipality of Anchorage, shall submit a copy of the engineering plans to ADEC for review at the address given above (see 18 AAC 72.600).

   ii. Operators of construction projects who construct, alter, install, modify, or operate any part of a storm water treatment system and are located inside the Municipality of Anchorage, shall submit a copy of the engineering plans to the respective government agency based on project type, as indicated in the table in a.iii.*(1)* above, for review at the addresses given in a.i. or a.iii.*(2)* above.

2. IDR100000: The State of Idaho, except Indian country

   a. *303(d)-listed Water Bodies with Approved TMDLs.*
   Discharges of storm water will be consistent with load allocations established by the applicable TMDL.

   b. *303(d)-listed Water Bodies without Approved TMDLs (High Priority)*
   If a TMDL has not been established for a high priority 303(d)-listed water body, then discharges of storm water may not cause an increase in the total load of listed pollutant(s) in the receiving water body.

   c. *303(d)-listed Water Bodies without Approved TMDLs (Medium or Low Priority)*
   If a TMDL has not been established for a medium or low priority 303(d)-listed water body, then best management practices shall be employed as necessary to prohibit further impairment of the designated or existing beneficial uses in the receiving water body.

   d. *Best Management Practices (BMPs)*
   BMPs must be designed, implemented, and maintained by the permittee to fully protect and maintain the beneficial uses of the receiving water body. The permittee should select appropriate BMPs that are either authorized by the

appropriate designated agency as defined in Idaho Water Quality Standards (IDAPA 58.01.02), recommended in IDEQ's *Catalog of Stormwater BMPs for Idaho Cities and Counties*, or recommended by other local government entities or guidance documents.

e. *Equivalent Analysis Waiver* - Use of the "Equivalent Analysis Waiver" in Appendix D of the permit is not authorized.

f. Operators may contact the Idaho Department of Environmental Quality regional office nearest the construction activity for more information about impaired waterways:

Boise Regional Office:
1445 N. Orchard
Boise ID 83706-2239
Tel: (208)373-0550
Fax: (208)373-0287

Grangeville Satellite Office:
300 W. Main
Grangeville ID 83530
Tel: (208)983-0808
Fax: (208)983-2873

Pocatello Regional Office:
444 Hospital Way #300
Pocatello ID 83201
Tel: (208)236-6160
Fax: (208)236-6168

McCall Satellite Office:
502 N. 3rd Street #9A
P.O. Box 4654
McCall, ID 83638
Tel: (208)634-4900
Fax: (208)634-9405

Idaho Falls Regional Office:
900 N. Skyline, Suite B
Idaho Falls, ID 83402
Tel: (208)528-2650
Fax: (208)528-2695

Twin Falls Regional Office:
1363 Fillmore
Twin Falls, ID 83301
Tel: (208)736-2190
Fax: (208)736-2194

Coeur d'Alene Regional Office:
2110 Ironwood Parkway
Coeur d'Alene ID 83814
Tel: (208)769-1422
Fax: (208)769-1404

Lewiston Regional Office:
1118 "F" Street
Lewiston, ID 83501
Tel: (208)799-4370
Toll Free: 1-877-541-3304
Fax: (208)799-3451

3. ORR10000I: Indian country within the State of Oregon, except Fort McDermitt Reservation lands (see Region 9):

a. Confederated Tribes of the Umatilla Indian Reservation.
The following conditions apply only for projects within the exterior boundaries of the Umatilla Indian Reservation:
   i. The operator shall be responsible for achieving compliance with the Confederated Tribes of the Umatilla Indian Reservation's (CTUIR) Water Quality Standards.
   ii. The operator must submit all Storm Water Pollution Prevention Plans required under this general permit to the CTUIR Water Resources Program for review and determination that the SWPPP is sufficient to meet Tribal Water Quality Standards prior to the beginning of any discharge activities taking place.
   iii. The operator must submit a copy of the Notice of Intent (NOI) to be covered by this general permit to the CTUIR Water Resources Program at the address below, at the same time it is submitted to EPA.
   iv. The operator shall be responsible for reporting an exceedance of Tribal Water Quality Standards to the CTUIR Water Resources Program at the same time it is reported to EPA.
      Confederated Tribes of the Umatilla Indian Reservation
      Water Resources Program
      P.O. Box 638
      Pendleton, OR 97801
      (541) 966-2420
   v. At least 45 days prior to beginning any discharge activities, the operator must submit a copy of the Notice of Intent to be covered under this general permit and an assessment of whether the undertaking has the potential to affect historic properties to CTUIR Tribal Historic Preservation Office (THPO) at the address below. If the project has potential to affect historic properties, the operator must define the area of potential effect (APE). The operator must provide the THPO at least 30 days to comment on the APE as defined.

vi. If the project is an undertaking, the operator must conduct a cultural resource investigation. All fieldwork must be conducted by qualified personnel (as outlined by the Secretary of the Interior's Standards and Guidelines found at http://www.nps.gov/history/local-law/arch_stnds_0.htm). All fieldwork must be documented using Oregon Reporting Standards (as outlined at http://egov.oregon.gov/OPRD/HCD/ARCH/arch_pubsandlinks.shtml). The resulting report must be submitted to the THPO for concurrence before any ground disturbing work can occur. The operator must provide the THPO at least 30 days to review and respond to all reports.
The operator must obtain THPO concurrence in writing. If historic properties are present, this written concurrence will outline measures to be taken to prevent or mitigate effects to historic properties.

Confederated Tribes of the Umatilla Indian Reservation
Cultural Resources Protection Program
Tribal Historic Preservation Office
P.O. Box 638
Pendleton, OR 97801
(541) 966-2340

b. Confederated Tribes of Warm Springs.
The following conditions apply only for projects on the Warm Springs Indian Reservation:

i. All activities covered by this NPDES general permit occurring within a designated riparian buffer zone as established in Ordinance 74 (Integrated Resource Management Plan or IRMP) must be reviewed, approved and permitted through the Tribe's Hydraulic Permit Application process, including payment of any applicable fees.

ii. All activities covered by this NPDES general permit must follow all applicable land management and resource conservation requirements specified in the IRMP.

iii. Operators of activities covered by this NPDES general permit must submit a Storm Water Pollution Prevention Plan to the Tribe's Water Control Board at the following address for approval at least 30 days prior to beginning construction activity:

Chair, Warm Springs Water Control Board
P.O. Box C
Warm Springs, Oregon 97761

4. WAR10000F: Federal Facilities in the State of Washington, except those located on Indian Country

a. Discharges shall not cause or contribute to a violation of surface water quality standards (Chapter 173-201A WAC), ground water quality standards (Chapter 173-200 WAC), sediment management standards (Chapter 173-204 WAC), and human health-based criteria in the National Toxics Rule (40 CFR Part 131.36). Discharges that are not in compliance with these standards are not authorized.

b. Prior to the discharge of stormwater and non-stormwater to waters of the state, the Permittee shall apply all known, available, and reasonable methods of prevention, control, and treatment (AKART). This includes the preparation and implementation of an adequate Stormwater Pollution Prevention Plan (SWPPP), with all appropriate best management practices (BMPs) installed and maintained in accordance with the SWPPP and the terms and conditions of this permit.

c. Sampling & Numeric Effluent Limitations – For Sites Discharging to Certain Waterbodies on the 303(d) List or with an Applicable TMDL

   i. Permittees that discharge to water bodies listed as impaired by the State of Washington under Section 303(d) of the Clean Water Act for turbidity, fine sediment, high pH or phosphorus, shall conduct water quality sampling according to the requirements of this section.

      (1) The operator must retain all monitoring results required by this section as part of the SWPPP. All data and related monitoring records must be provided to EPA or the Washington Department of Ecology upon request.

      (2) The operator must notify EPA when the discharge turbidity or discharge pH exceeds the water quality standards as defined in Parts 10.F.4.d.ii and e.ii below, in accordance with the reporting requirements of Part G.12.F of this permit. All reports must be submitted to EPA at the following address:
      U.S EPA Region 10
      NPDES Compliance Unit - Attn: Federal Facilities Compliance Officer
      1200 6th Avenue, Suite 900
      OCE-133
      Seattle, WA 98101
      (206) 553-1846

   ii. All references and requirements associated with Section 303(d) of the Clean Water Act mean the most current listing by Ecology of impaired waters that exists on November 16, 2005, or the date when the operator's complete NOI is received by EPA, whichever is later.

Parameter identified in 303(d) listing	Parameter/Units	Analytical Method	Sampling Frequency	Water Quality Standard
Turbidity Fine Sediment Phosphorus	Turbidity/NTU	SM2130 or EPA180.1	Weekly, if discharging	If background is 50 NTU or less: 5 NTU over background; or If background is more than 50 NTU: 10% over background
High pH	pH/Standard Units	pH meter	Weekly, if discharging	In the range of 6.5 – 8.5

d. Discharges to waterbodies on the 303(d) list for turbidity, fine sediment, or phosphorus

   i. Permittees which discharge to waterbodies on the 303(d) list for turbidity, fine sediment, or phosphorus shall conduct turbidity sampling at the

following locations to evaluate compliance with the water quality standard for turbidity:

(1) Background turbidity shall be measured in the 303(d) listed receiving water immediately upstream (upgradient) or outside the area of influence of the discharge; and

(2) Discharge turbidity shall be measured at the point of discharge into the 303(d) listed receiving waterbody, inside the area of influence of the discharge; **or**
Alternatively, discharge turbidity may be measured at the point where the discharge leaves the construction site, rather than in the receiving waterbody.

ii. Based on sampling, if the discharge turbidity ever exceeds the water quality standard for turbidity (more than 5 NTU over background turbidity when the background turbidity is 50 NTU or less, or more than a 10% increase in turbidity when the background turbidity is more than 50 NTU), all future discharges shall comply with a numeric effluent limit which is equal to the water quality standard for turbidity. If a future discharge exceeds the water quality standard for turbidity, the permittee shall:

(1) Review the SWPPP for compliance with the permit and make appropriate revisions within 7 days of the discharge that exceeded the standard;

(2) Fully implement and maintain appropriate source control and/or treatment BMPs as soon as possible, but no later than 10 days of the discharge that exceeded the standard;

(3) Document BMP implementation and maintenance in the site log book;

(4) Continue to sample daily until discharge turbidity meets the water quality standard for turbidity.

e. Discharges to waterbodies on the 303(d) list for High pH

i. Permittees which discharge to waterbodies on the 303(d) list for high pH shall conduct sampling at one of the following locations to evaluate compliance with the water quality standard for pH (in the range of 6.5 – 8.5):

(1) pH shall be measured at the point of discharge into the 303(d) listed waterbody, inside the area of influence of the discharge; or

(2) Alternatively, pH may be measured at the point where the discharge leaves the construction site, rather than in the receiving water.

ii. Based on the sampling set forth above, if the pH ever exceeds the water quality standard for pH (in the range of 6.5 – 8.5), all future discharges shall comply with a numeric effluent limit which is equal to the water quality standard for pH. If a future discharge exceeds the water quality standard for pH, the permittee shall:

(1) Review the SWPPP for compliance with the permit and make appropriate revisions within 7 days of the discharge;

(2) Fully implement and maintain appropriate source control and/or treatment BMPs as soon as possible, but no later than 10 days of the discharge that exceeded the standards;

(3) Document BMP implementation and maintenance in the site log book;

(4) Continue to sample daily until discharge meets the water quality standard for pH (in the range of 6.5 – 8.5).

f. Sampling & Limitations – For Sites Discharging to TMDLs

i. Discharges to waterbodies subject to an applicable Total Maximum Daily Load (TMDL) for turbidity, fine sediment, high pH, or phosphorus, shall be consistent with the assumptions and requirements of the TMDL.

(1) Where an applicable TMDL sets specific waste load allocations or requirements for discharges covered by this permit, discharges shall be consistent with any specific waste load allocations or requirements established by the applicable TMDL.

a. Discharges shall be sampled weekly, or as otherwise specified by the TMDL, to evaluate compliance with the specific waste load allocations or requirements.

b. Analytical methods used to meet the monitoring requirements shall conform to the latest revision of the Guidelines Establishing Test Procedures for the Analysis of Pollutants contained in 40 CFR Part 136.

(2) Where an applicable TMDL has established a general waste load allocation for construction stormwater discharges, but no specific requirements have been identified, compliance with this permit will be assumed to be consistent with the approved TMDL.

(3) Where an applicable TMDL has not specified a waste load allocation for construction stormwater discharges, but has not excluded these discharges, compliance with this permit will be assumed to be consistent with the approved TMDL.

(4) Where an applicable TMDL specifically precludes or prohibits discharges from construction activity, the operator is not eligible for coverage under this permit.

ii. Applicable TMDL means a TMDL for turbidity, fine sediment, high pH, or phosphorus, which has been completed and approved by EPA prior to November 16, 2005, or prior to the date the operator's complete NOI is received by EPA, whichever is later.
Information on impaired waterways is available from the Department of Ecology website at:
http://www.ecy.wa.gov/programs/wq/stormwater/construction/impaired.html
or by phone: 360-407-6460.

5. WAR10000I: Indian country within the State of Washington

a. Kalispel Tribe.

The following conditions apply only for projects on the Kalispel Reservation:

i. The permittee shall be responsible for achieving compliance with the Kalispel Tribe's Water Quality Standards.
ii. The permittee shall submit a copy of the Notice of Intent (NOI) to be covered by the general permit to the Kalispel Tribe Natural Resources Department at the same time as it submitted to the U.S. EPA
iii. The permittee shall submit all Storm Water Prevention Plans (SWPP) to the Kalispel Tribe Natural Resources Department thirty (30) days prior to beginning any discharge activities for review.
iv. Prior to any land disturbing activities on the Kalispel Indian Reservation and its dependent communities, the permittee shall obtain a cultural resource clearance letter from the Kalispel Natural Resource Department.
v. All tribal correspondence pertaining to the general permit for discharges of construction stormwater shall be sent to:

Kalispel Tribe Natural Resources Department
PO Box 39
Usk, WA 99180

b. Lummi Nation

The following conditions apply only for projects on the Lummi Reservation:

i. Pursuant to Lummi Code of Laws (LCL) 17.05.020(a), the operator must obtain a land use permit from the Lummi Planning Department as provided in Title 15 of the Lummi Code of Laws and regulations adopted thereunder.
ii. Pursuant to LCL 17.05.020(a), each operator shall develop and submit a Storm Water Pollution Prevention Plan to the Lummi Water Resources Division for review and approval by the Water Resources Manager prior to beginning any discharge activities.
iii. Pursuant to LCL Title 17, each operator shall be responsible for achieving compliance with the Water Quality Standards for Surface Waters of the Lummi Indian Reservation (Lummi Administrative Regulations [LAR] 17 LAR 07.010 through 17 LAR 07.210).
iv. Each operator shall submit a copy of the Notice of Intent to the Lummi Water Resources Division at the same time it is submitted to the Environmental Protection Agency (EPA).
v. Storm Water Pollution Prevention Plans and Notices of Intent shall be submitted to:

Lummi Natural Resources Department
ATTN: Water Resources Manager
2616 Kwina Road
Bellingham, WA 98226

vi. Refer to the Lummi Nation website at *http://www.lummi-nsn.gov* to review a copy of Title 17 of the Lummi Code of Laws and the references upon which the conditions identified above are based.

c. Makah Tribe

The following conditions apply only for projects on the Makah Reservation:

i. The operator shall be responsible for achieving compliance with the Makah Tribe's Water Quality Standards.
ii. The operator shall submit a Storm Water Pollution Prevention Plan to the

Makah Tribe Water Quality Program and Makah Fisheries Habitat Division for review and approval at least thirty (30) days prior to beginning any discharge activities.

iii. The operator shall submit a copy of the Notice of Intent to the Makah Tribe Water Quality Program and Makah Fisheries Habitat Division at the same time it is submitted to EPA.

iv. Storm Water Pollution Prevention Plans and Notices of Intent shall be submitted to:

Makah Fisheries Water Quality and Habitat Division
PO Box 115
Neah Bay, WA 98357

d. Puyallup Tribe of Indians.

The following conditions apply only to stormwater discharges from large and small construction activities that result in a total land disturbance of equal to or greater than one acre, where those discharges enter surface waters of the Puyallup Tribe:

i. Each permittee shall be responsible for achieving compliance with the Puyallup Tribe's Water Quality Standards, including antidegradation provisions. The Puyallup Natural Resources Department will conduct an antidegradation review for permitted activities that have the potential to affect water quality. The antidegradation review will be consistent with the Tribe's Antidegradation Implementation Procedures.

ii. The permittee shall be responsible for meeting any additional permit requirements imposed by EPA necessary to comply with the Puyallup Tribe's antidegradation policies if the discharge point is located within 1 linear mile upstream of waters designated by the Tribe.

iii. Each permittee shall submit a copy of the Notice of Intent (NOI) to be covered by the general permit to the Puyallup Tribal Natural Resources Department at the address listed below at the same time it is submitted to EPA.

Puyallup Tribe of Indians
3009 E. Portland Avenue
Tacoma, WA 98404
ATTN: Natural Resources Department

iv. All supporting documentation and certifications in the NOI related to coverage under the general permit for Endangered Species Act purposes shall be submitted to the Puyallup Tribal Natural Resources Department for review.

v. If EPA requires coverage under an individual or alternative permit, the permittee shall submit a copy of the permit to the Puyallup Tribal Natural Resources Department at the address listed above.

vi. The permittee shall submit all stormwater pollution prevention plans to the Puyallup Tribal Natural Resources Department for review and approval prior to beginning any activities resulting in a discharge to tribal waters.

Appendix A - Definitions and Acronyms

Definitions

"Arid Areas" means areas with an average annual rainfall of 0 to 10 inches.

"Best Management Practices" (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the discharge of pollutants to waters of the United States. BMPs also include treatment requirements, operating procedures, and practice to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

"Commencement of Construction Activities" means the initial disturbance of soils associated with clearing, grading, or excavating activities or other construction-related activities (e.g., stockpiling of fill material).

"Control Measure" as used in this permit, refers to any BMP or other method used to prevent or reduce the discharge of pollutants to waters of the United States.

"CWA" means the Clean Water Act or the Federal Water Pollution Control Act, 33 U.S.C. section 1251 et seq.

"Discharge" when used without qualification means the "discharge of a pollutant."

"Discharge of Stormwater Associated with Construction Activity" as used in this permit, refers to a discharge of pollutants in stormwater from areas where soil disturbing activities (e.g., clearing, grading, or excavation), construction materials or equipment storage or maintenance (e.g., fill piles, borrow area, concrete truck chute washdown, fueling), or other industrial stormwater directly related to the construction process (e.g., concrete or asphalt batch plants) are located.

"Eligible" means qualified for authorization to discharge stormwater under this general permit.

"Facility" or "Activity" means any "point source" or any other facility or activity (including land or appurtenances thereto) that is subject to regulation under the NPDES program.

"Federal Facility" means any buildings, installations, structures, land, public works, equipment, aircraft, vessels, and other vehicles and property, owned by, or constructed or manufactured for the purpose of leasing to, the Federal government.

"Final Stabilization" means that:

1. All soil disturbing activities at the site have been completed and either of the two following criteria are met:
    a. a uniform (e.g,, evenly distributed, without large bare areas) perennial vegetative cover with a density of 70 percent of the native background

vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or

b. equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed.

2. When background native vegetation will cover less than 100 percent of the ground (e.g., arid areas, beaches), the 70 percent coverage criteria is adjusted as follows: if the native vegetation covers 50 percent of the ground, 70 percent of 50 percent (0.70 X 0.50 = 0.35) would require 35 percent total cover for final stabilization. On a beach with no natural vegetation, no stabilization is required.
3. In arid and semi-arid areas only, all soil disturbing activities at the site have been completed and both of the following criteria have been met:
   a. Temporary erosion control measures (e.g., degradable rolled erosion control product) are selected, designed, and installed along with an appropriate seed base to provide erosion control for at least three years without active maintenance by you,
   b. The temporary erosion control measures are selected, designed, and installed to achieve 70 percent vegetative coverage within three years.
4. For individual lots in residential construction, final stabilization means that either:
   a. The homebuilder has completed final stabilization as specified above, or
   b. The homebuilder has established temporary stabilization including perimeter controls for an individual lot prior to occupation of the home by the homeowner and informing the homeowner of the need for, and benefits of, final stabilization.
5. For construction projects on land used for agricultural purposes (e.g., pipelines across crop or range land, staging areas for highway construction, etc.), final stabilization may be accomplished by returning the disturbed land to its preconstruction agricultural use. Areas disturbed that were not previously used for agricultural activities, such as buffer strips immediately adjacent to ''water of the United States,'' and areas which are not being returned to their preconstruction agricultural use must meet the final stabilization criteria (1) or (2) or (3) above.

"Indian country" is defined at 40 CFR §122.2 to mean:

1. All land within the limits of any Indian reservation under the jurisdiction of the United States Government, notwithstanding the issuance of any patent, and, including rights-of-way running through the reservation;
2. All dependent Indian communities with the borders of the United States whether within the originally or subsequently acquired territory thereof, and whether within or without the limits of a state; and
3. All Indian allotments, the Indian titles to which have not been extinguished, including rights-of-ways running through the same.

"Large Construction Activity" is defined at 40 CFR §122.26(b)(14)(x) and incorporated here by reference. A large construction activity includes clearing, grading, and excavating resulting in a land disturbance that will disturb equal to or greater than five acres of land or will disturb less than five acres of total land area but is part of a larger common plan of development or sale that will ultimately disturb equal to or greater than five acres. Large

construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the site.

"Municipal Separate Storm Sewer System" or "MS4" is defined at 40 CFR §122.26(b)(8) to mean a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, or storm drains):

1. Owned and operated by a state, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA that discharges to waters of the United States;
2. Designed or used for collecting or conveying stormwater;
3. Which is not a combined sewer; and
4. Which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR §122.2.

"New Project" means the "commencement of construction activities" occurs after the effective date of this permit.

"Ongoing Project" means the "commencement of construction activities" occurs before the effective date of this permit.

"Operator" for the purpose of this permit and in the context of stormwater associated with construction activity, means any party associated with a construction project that meets either of the following two criteria:

1. The party has operational control over construction plans and specifications, including the ability to make modifications to those plans and specifications; or
2. The party has day-to-day operational control of those activities at a project which are necessary to ensure compliance with a SWPPP for the site or other permit conditions (e.g., they are authorized to direct workers at a site to carry out activities required by the SWPPP or comply with other permit conditions). This definition is provided to inform permittees of EPA's interpretation of how the regulatory definitions of "owner or operator" and "facility or activity" are applied to discharges of stormwater associated with construction activity.

"Owner or operator" means the owner or operator of any ''facility or activity'' subject to regulation under the NPDES program.

"Permitting Authority" means the United States Environmental Protection Agency, EPA, a Regional Administrator of the Environmental Protection Agency or an authorized representative.

"Point Source" means any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural stormwater runoff.

"Pollutant" is defined at 40 CFR §122.2. A partial listing from this definition includes: dredged spoil, solid waste, sewage, garbage, sewage sludge, chemical wastes, biological materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt, and industrial or municipal waste.

"Project Area" means:
– The areas on the construction site where stormwater discharges originate and flow toward the point of discharge into the receiving waters (including areas where excavation, site development, or other ground disturbance activities occur) and the immediate vicinity. (Example: 1. Where bald eagles nest in a tree that is on or bordering a construction site and could be disturbed by the construction activity or where grading causes stormwater to flow into a small wetland or other habitat that is on the site that contains listed species.)
– The areas where stormwater discharges flow from the construction site to the point of discharge into receiving waters. (Example: Where stormwater flows into a ditch, swale, or gully that leads to receiving waters and where listed species (such as amphibians) are found in the ditch, swale, or gully.)
– The areas where stormwater from construction activities discharge into receiving waters and the areas in the immediate vicinity of the point of discharge. (Example: Where stormwater from construction activities discharges into a stream segment that is known to harbor listed aquatic species.)
– The areas where stormwater BMPs will be constructed and operated, including any areas where stormwater flows to and from BMPs. (Example: Where a stormwater retention pond would be built.)
– The areas upstream and /or downstream from construction activities discharges into a stream segment that may be affected by the said discharges. (Example: Where sediment discharged to a receiving stream settles downstream and impacts a breeding area of a listed aquatic species.)

"Receiving water" means the "Water of the United States" as defined in 40 CFR §122.2 into which the regulated stormwater discharges.

"Runoff coefficient" means the fraction of total rainfall that will appear at the conveyance as runoff.

"Semi-Arid Areas" means areas with an average annual rainfall of 10 to 20 inches.

"Site" means the land or water area where any "facility or activity" is physically located or conducted, including adjacent land used in connection with the facility or activity.

"Small Construction Activity" is defined at 40 CFR §122.26(b)(15) and incorporated here by reference. A small construction activity includes clearing, grading, and excavating resulting in a land disturbance that will disturb equal to or greater than one (1) acre and less than five (5) acres of land or will disturb less than one (1) acre of total land area but is part of a larger common plan of development or sale that will ultimately disturb equal to or greater than one (1) acre and less than five (5) acres. Small construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the site.

"Stormwater" means stormwater runoff, snow melt runoff, and surface runoff and drainage.

"Stormwater Discharge-Related Activities" as used in this permit, include: activities that cause, contribute to, or result in stormwater point source pollutant discharges, including but not limited to: excavation, site development, grading and other surface disturbance activities; and measures to control stormwater including the siting, construction and operation of BMPs to control, reduce or prevent stormwater pollution.

"Total Maximum Daily Load" or "TMDL" means the sum of the individual wasteload allocations (WLAs) for point sources and load allocations (LAs) for nonpoint sources and natural background. If a receiving water has only one point source discharger, the TMDL is the sum of that point source WLA plus the LAs for any nonpoint sources of pollution and natural background sources, tributaries, or adjacent segments. TMDLs can be expressed in terms of either mass per time, toxicity, or other appropriate measure.

"Waters of the United States" is as defined at 40 CFR §122.2.

"Wetland" means those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas.

ACRONYMS

BMP - Best Management Practices
CGP - Construction General Permit
CFR - Code of Federal Regulations
CWA - Clean Water Act
EPA - United States Environmental Protection Agency
ESA - Endangered Species Act
FWS - United States Fish and Wildlife Service
MS4 - Municipal Separate Storm Sewer System
MSGP - Multi-Sector General Permit
NHPA - National Historic Preservation Act
NMFS - United States National Marine Fisheries Service
NOI - Notice of Intent

NOT - Notice of Termination
NPDES - National Pollutant Discharge Elimination System
POTW - Publicly Owned Treatment Works
SHPO - State Historic Preservation Officer
SWPPP - Stormwater Pollution Prevention Plan
THPO - Tribal Historic Preservation Officer
TMDL - Total Maximum Daily Load
WQS - Water Quality Standard

Appendix B - Permit Areas Eligible for Coverage

Permit coverage for stormwater discharges from construction activity occurring within the following areas is provided by legally separate and distinctly numbered permits:

1. EPA Region 1: CT, MA, ME, NH, RI, VT

US EPA, Region 01
Office of Ecosystem Protection
NPDES Stormwater Program
1 Congress St, Suite 1100 (CMU)
Boston, MA 02114-2023

The States of Connecticut, Maine, Rhode Island, and Vermont are the NPDES Permitting Authority for the majority of discharges within their respective states.

Permit No.	Areas of Coverage/Where EPA is Permitting Authority
MAR100000	Commonwealth of Massachusetts (except Indian country)
MAR10000I	Indian country within the State of Massachusetts
CTR10000I	Indian country within the State of Connecticut
NHR100000	State of New Hampshire
RIR10000I	Indian country within the State of Rhode Island
VTR10000F	Federal Facilities in the State of Vermont

2. EPA Region 2: NJ, NY, PR, VI

For NJ, NY, and VI:
US EPA, Region 02
NPDES Stormwater Program
290 Broadway, 24th Floor
New York, NY 10007-1866

For PR:
US EPA, Region 02
Caribbean Environmental Protection Division
NPDES Stormwater Program
1492 Ponce de Leon Ave
Central Europa Building, Suite 417
San Juan, PR 00907-4127

The State of New York is the NPDES Permitting Authority for the majority of discharges within its state. The State of New Jersey and the Virgin Islands are the NPDES Permitting Authority for all discharges within their respective states.

Permit No.	Areas of Coverage/Where EPA is Permitting Authority
NYR10000I	Indian country within the State of New York
PRR100000	The Commonwealth of Puerto Rico

3. EPA Region 3: DE, DC, MD, PA, VA, WV

US EPA, Region 03
NPDES Stormwater Program
1650 Arch St
Philadelphia, PA 19103

The State of Delaware is the NPDES Permitting Authority for the majority of discharges within its state. Maryland, Pennsylvania, Virginia, and West Virginia are the NPDES Permitting Authority for all discharges within their respective states.

Permit No.	Areas of Coverage/Where EPA is Permitting Authority
DCR100000	The District of Columbia
DER10000F	Federal Facilities in the State of Delaware

4. EPA Region 4: AL, FL, GA, KY, MS, NC, SC, TN

US EPA, Region 04
Water Management Division
NPDES Stormwater Program
61 Forsyth St SW
Atlanta, GA 30303-3104

Coverage Not Available. Construction activities in Region 4 must obtain permit coverage under an alternative permit.

5. EPA Region 5: IL, IN, MI, MN, OH, WI

US EPA, Region 05
NPDES & Technical Support
NPDES Stormwater Program
77 W Jackson Blvd
(WN-16J)
Chicago, IL 60604-3507

The States of Michigan, Minnesota, and Wisconsin are the NPDES Permitting Authority for the majority of discharges within their respective states. The States of Illinois, Indiana, and Ohio are the NPDES Permitting Authorities for all discharges within their respective states.

Permit No.	Areas of coverage/where EPA is Permitting Authority
MIR10000I	Indian country within the State of Michigan
MNR10000I	Indian country within the State of Minnesota, except the Grand Portage Band of Chippewa
WIR10000I	Indian country within the State of Wisconsin, except the Sokaogon Chippewa (Mole Lake) Community.

6. EPA Region 6: AR, LA, OK, TX, NM (except see Region 9 for Navajo lands, and see Region 8 for Ute Mountain Reservation lands)

US EPA, Region 06
NPDES Stormwater Program
1445 Ross Ave, Suite 1200
Dallas, TX 75202-2733

The States of Louisiana, Oklahoma, and Texas are the NPDES Permitting Authority for the majority of discharges within their respective state. The State of Arkansas is the NPDES Permitting Authority for all discharges within its respective state.

Permit No.	Areas of coverage/where EPA is Permitting Authority
LAR10000I	Indian country within the State of Louisiana
NMR100000	The State of New Mexico, except Indian country
NMR10000I	Indian country within the State of New Mexico, except Navajo Reservation Lands that are covered under Arizona permit AZR10000I and Ute Mountain Reservation Lands that are covered under Colorado permit COR10000I.
OKR10000I	Indian country within the State of Oklahoma
OKR10000F	Discharges in the State of Oklahoma that are not under the authority of the Oklahoma Department of Environmental Quality, including activities associated with oil and gas exploration, drilling, operations, and pipelines (includes SIC Groups 13 and 46, and SIC codes 492 and 5171), and point source discharges associated with agricultural production, services, and silviculture (includes SIC Groups 01, 02, 07, 08, 09).
TXR10000F	Discharges in the State of Texas that are not under the authority of the Texas Commission on Environmental Quality (formerly TNRCC), including activities associated with the exploration, development, or production of oil or gas or geothermal resources, including transportation of crude oil or natural gas by pipeline.
TXR10000I	Indian country within the State of Texas.

7. **EPA Region 7: IA, KS, MO, NE (except see Region 8 for Pine Ridge Reservation Lands)**

US EPA, Region 07
NPDES Stormwater Program
901 N 5th St
Kansas City, KS 66101

The States of Iowa, Kansas, and Nebraska are the NPDES Permitting Authority for the majority of discharges within their respective states. The State of Missouri is the NPDES Permitting Authority for all discharges within its state.

Permit No.	Areas of coverage/where EPA is Permitting Authority
IAR10000I	Indian country within the State of Iowa
KSR10000I	Indian country within the State of Kansas
NER10000I	Indian country within the State of Nebraska, except Pine Ridge Reservation lands (see Region 8)

8. **EPA Region 8: CO, MT, ND, SD, WY, UT (except see Region 9 for Goshute Reservation and Navajo Reservation Lands), the Ute Mountain Reservation in NM, and the Pine Ridge Reservation in NE.**

US EPA, Region 08
NPDES Stormwater Program
999 18th St, Suite 300
(EPR-EP)
Denver, CO 80202-2466

The States of Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming are the NPDES Permitting Authority for the majority of discharges within their respective states.

Permit No.	Areas of coverage/where EPA is Permitting Authority
COR10000F	Federal Facilities in the State of Colorado, except those located on Indian country
COR10000I	Indian country within the State of Colorado, as well as the portion of the Ute Mountain Reservation located in New Mexico
MTR10000I	Indian country within the State of Montana
NDR10000I	Indian country within the State of North Dakota, as well as that portion of the Standing Rock Reservation located in South Dakota (except for the portion of the lands within the former boundaries of the Lake Traverse Reservation which is covered under South Dakota permit SDR10000I listed below)
SDR10000I	Indian country within the State of South Dakota, as well as the portion of the Pine Ridge Reservation located in Nebraska and the portion of the lands within the former boundaries of the Lake

	Traverse Reservation located in North Dakota (except for the Standing Rock Reservation which is covered under North Dakota permit NDR10000I listed above)
UTR10000I	Indian country within the State of Utah, except Goshute and Navajo Reservation lands (see Region 9)
WYR10000I	Indian country within the State of Wyoming

9. EPA Region 9: CA, HI, NV, Guam, American Samoa, the Commonwealth of the Northern Mariana Islands, the Goshute Reservation in UT and NV, the Navajo Reservation in UT, NM, and AZ, the Duck Valley Reservation in ID, and the Fort McDermitt Reservation in OR.

US EPA, Region 09
NPDES Stormwater Program
75 Hawthorne St
San Francisco, CA 94105-3901

The States of Arizona, California and Nevada are the NPDES Permitting Authority for the majority of discharges within their respective states. The State of Hawaii is the NPDES Permitting Authority for all discharges within its state.

Permit No.	Areas of coverage/where EPA is Permitting Authority
ASR100000	The Island of American Samoa
AZR10000I	Indian country within the State of Arizona, as well as Navajo Reservation lands in New Mexico and Utah
CAR10000I	Indian country within the State of California
GUR100000	The Island of Guam
JAR100000	Johnston Atoll
MWR100000	Midway Island and Wake Island
MPR100000	Commonwealth of the Northern Mariana Islands
NVR10000I	Indian country within the State of Nevada, as well as the Duck Valley Reservation in Idaho, the Fort McDermitt Reservation in Oregon and the Goshute Reservation in Utah

10. EPA Region 10: AK, WA, ID (except see Region 9 for Duck Valley Reservation Lands), and OR (except see Region 9 for Fort McDermitt Reservation).

US EPA, Region 10
NPDES Stormwater Program
1200 6th Ave (OW-130)
Seattle, WA 98101-1128
Phone: (206) 553-6650

The States of Oregon and Washington are the NPDES Permitting Authority for the majority of discharges within their respective states.

Permit No.	Areas of coverage/where EPA is Permitting Authority
AKR100000	The State of Alaska, except Indian country
AKR10000I	Indian country within the state of Alaska
IDR100000	The State of Idaho, except Indian country
IDR10000I	Indian country within the State of Idaho, except Duck Valley Reservation lands (see Region 9)
ORR10000I	Indian country within the State of Oregon, except Fort McDermitt Reservation lands (see Region 9)
WAR10000F	Federal Facilities in the State of Washington, except those located on Indian country
WAR10000I	Indian country within the State of Washington

Appendix C - Endangered Species Act Review Procedures

You must meet at least one of the six criteria in Part 1.3.C.6 to be eligible for coverage under this permit. You must follow the procedures in this Appendix to assess the potential effects of stormwater discharges and stormwater discharge-related activities on listed species and their critical habitat. When evaluating these potential effects, operators must evaluate the entire project area.

For purposes of this Appendix, the term "project area" is inclusive of the term "Action Area." Action area is defined in 50 CFR §402.02 as all areas to be affected directly or indirectly by the federal action and not merely the immediate area involved in the action.

This includes areas beyond the footprint of the construction area that may be affected by stormwater discharges and stormwater discharge related activities. "Project area" is defined in Appendix A.

(Operators who are eligible and able to certify eligibility under Criterion B, C, D, or F of Part 1.3.C.6 because of a previously issued ESA section 10 permit, a previously completed ESA section 7 consultation, or because the operator's activities were already addressed in another operator's certification of eligibility may proceed directly to Step Four.)

Step One: Determine if Listed Threatened or Endangered Species are Present On or Near Your Project Area

You must determine, to the best of your knowledge, whether listed species are located on or near your project area. To make this determination, you should:

- Determine if listed species are in your county or township. The local offices of the U.S. Fish and Wildlife Service (FWS), National Marine Fisheries Service (NMFS), and State or Tribal Heritage Centers often maintain lists of federally listed endangered or threatened species on their internet sites. Visit http://www.epa.gov/npdes/stormwater/cgp to find the appropriate site for your state or check with your local office. In most cases, these lists allow you to determine if there are listed species in your county or township.
- If there are listed species in your county or township, check to see if critical habitat has been designated and if that area overlaps or is near your project area.
- Contact your local FWS, NMFS, or State or Tribal Heritage Center to determine if the listed species could be found on or near your project area and if any critical habitat areas have been designated that overlap or are near your project area. Critical habitat areas maybe designated independently from the listed species for your county, so even if there are no listed species in your county or township, you must still contact one of the agencies mentioned above to determine if there are any critical habitat areas on or near your project area.

You can also find critical habitat designations and associated requirements at 50 CFR Parts 17 and 226. http://www.access.gpo.gov.

- If there are no listed species in your county or township, no critical habitat areas on or near your project area, or if your local FWS, NMFS, or State or Tribal Heritage Center indicates that listed species are not a concern in your part of the county or township, you may check box A on the Notice of Intent Form.
- If there are listed species and if your local FWS, NMFS, or State or Tribal Heritage Center indicates that these species could exist on or near your project area, you will need to do one or more of the following:
  - Conduct visual inspections: This method may be particularly suitable for construction sites that are smaller in size or located in non-natural settings such as highly urbanized areas or industrial parks where there is little or no natural habitat, or for construction activities that discharge directly into municipal stormwater collection systems.
  - Conduct a formal biological survey. In some cases, particularly for larger construction sites with extensive stormwater discharges, biological surveys may be an appropriate way to assess whether species are located on or near the project area and whether there are likely adverse effects to such species. Biological surveys are frequently performed by environmental consulting firms. A biological survey may in some cases be useful in conjunction with Steps Two, Three, or Four of these instructions.
  - Conduct an environmental assessment under the National Environmental Policy Act (NEPA). Such reviews may indicate if listed species are in proximity to the project area. Coverage under the CGP does not trigger such a review because the CGP does not regulate new sources (that is, dischargers subject to New Source Performance Standards under section 306 of the Clean Water Act), and is thus statutorily exempted from NEPA. See CWA section 511(c). However, some construction activities might require review under NEPA for other reasons such as federal funding or other federal involvement in the project.
  - If listed threatened or endangered species or critical habitat are present in the project area, you must look at impacts to species and/or habitat when following Steps Two through Four. Note that many but not all measures imposed to protect listed species under these steps will also protect critical habitat. Thus, meeting the eligibility requirements of this CGP may require measures to protect critical habitat that are separate from those to protect listed species.

Step Two: Determine if the Construction Activity's Stormwater Discharges or Stormwater Discharge- Related Activities Are Likely to Adversely Affect Listed Threatened or Endangered Species or Designated Critical Habitat

To receive CGP coverage, you must assess whether your stormwater discharges or stormwater discharge related activities is likely to adversely affect listed threatened or endangered species or designated critical habitat that are present on or near your project area.

Potential adverse effects from stormwater discharges and stormwater discharge-related activities include:

- *Hydrological.* Stormwater discharges may cause siltation, sedimentation or induce other changes in receiving waters such as temperature, salinity or pH. These effects will vary with the amount of stormwater discharged and the volume and condition of the receiving water. Where a stormwater discharge constitutes a minute portion of the total volume of the receiving water, adverse hydrological effects are less likely. Construction activity itself may also alter drainage patterns on a site where construction occurs that can impact listed species or critical habitat.
- *Habitat.* Excavation, site development, grading, and other surface disturbance activities from construction activities, including the installation or placement of stormwater BMPs, may adversely affect listed species or their habitat. Stormwater may drain or inundate listed species habitat.
- *Toxicity.* In some cases, pollutants in stormwater may have toxic effects on listed species.

The scope of effects to consider will vary with each site. If you are having difficulty determining whether your project is likely to adversely affect listed species or critical habitat, or one of the Services has already raised concerns to you, you must contact the appropriate office of the FWS, NMFS or Natural Heritage Center for assistance. If adverse effects are not likely, then you may check box E on the NOI form and apply for coverage under the CGP. If the discharge may adversely effect listed species or critical habitat, you must follow Step Three.

Step Three: Determine if Measures Can Be Implemented to Avoid Adverse Effects
If you make a preliminary determination that adverse effects are likely to occur, you can still receive coverage under Criterion E of Part 1.3.C.6 of the CGP if appropriate measures are undertaken to avoid or eliminate the likelihood of adverse effects prior to applying for CGP coverage. These measures may involve relatively simple changes to construction activities such as re-routing a stormwater discharge to bypass an area where species are located, relocating BMPs, or by changing the "footprint" of the construction activity. You should contact the FWS and/or NMFS to see what appropriate measures might be suitable to avoid or eliminate the likelihood of adverse impacts to listed species and/or critical habitat. (See 50 CFR §402.13(b)). This can entail the initiation of informal consultation with the FWS and/or NMFS (described in more detail in Step Four).

If you adopt measures to avoid or eliminate adverse affects, you must continue to abide by those measures for the duration of the construction project and coverage under the CGP. These measures must be described in the SWPPP and are enforceable CGP conditions and/or conditions for meeting the eligibility criteria in Part 1.3. If appropriate measures to avoid the likelihood of adverse effects are not available, you must follow Step Four.

Step Four: Determine if the Eligibility Requirements of Criterion B, C, D, or F of Part 1.3.C.6 Can Be Met
Where adverse effects are likely, you must contact the FWS and/or NMFS. You may still be eligible for CGP coverage if any likely adverse effects can be addressed through meeting Criterion B, C, D, or F of Part 1.3.C.6 of the CGP. These criteria are as follows:

1. *An ESA Section 7 Consultation Is Performed for Your Activity (See Criterion B or C of Part 1.3.C.6 of the CGP).*

Formal or informal ESA section 7 consultation is performed with the FWS and/or NMFS that addresses the effects of your stormwater discharges and stormwater discharge-related activities on federally-listed and threatened species and designated critical habitat. FWS and/or NMFS may request that consultation take place if any actions are identified that may affect listed species or critical habitat. In order to be eligible for coverage under this permit, consultation must result in a "no jeopardy opinion" or a written concurrence by the Service(s) on a finding that your stormwater discharge(s) and stormwater discharge-related activities are not likely to adversely affect listed species or critical habitat (For more information on consultation, see 50 CFR §402). If you receive a "jeopardy opinion," you may continue to work with the FWS and/or NMFS and your permitting authority to modify your project so that it will not jeopardize listed species or designated critical habitat.

Most consultations are accomplished through informal consultation. By the terms of this CGP, EPA has automatically designated operators as non-federal representatives for the purpose of conducting informal consultations. See Part 1.3.C.6 and 50 CFR §402.08 and §402.13. When conducting informal ESA section 7 consultation as a non-federal representative, you must follow the procedures found in 50 CFR Part 402 of the ESA regulations. You must notify FWS and/or NMFS of your intention and agreement to conduct consultation as a non-federal representative.

Consultation may occur in the context of another federal action at the construction site (e.g., where ESA section 7 consultation was performed for issuance of a wetlands dredge and fill permit for the project or where a NEPA review is performed for the project that incorporates a section 7 consultation). Any terms and conditions developed through consultations to protect listed species and critical habitat must be incorporated into the SWPPP. As noted above, operators may, if they wish, initiate consultation with the Services at Step Four.

Whether ESA section 7 consultation must be performed with either the FWS, NMFS or both Services depends on the listed species that may be affected by the operator's activity. In general, NMFS has jurisdiction over marine, estuaries, and anadromous species. Operators should also be aware that while formal section 7 consultation provides protection from incidental takings liability, informal consultation does not.

2. *An Incidental Taking Permit Under Section 10 of the ESA is Issued for the Operators Activity (See Criterion D of Part 1.3.C.6 of the CGP).*

Your construction activities are authorized through the issuance of a permit under section 10 of the ESA and that authorization addresses the effects of your stormwater discharge(s) and stormwater discharge-related activities on federally-listed species and designated critical habitat. You must follow FWS and/or NMFS procedures when applying for an ESA Section 10 permit (see 50 CFR §17.22(b)(1) for FWS and §222.22

for NMFS). Application instructions for section 10 permits for FWS and NMFS can be obtained by accessing the FWS and NMFS websites (http://www.fws.gov and http://www.nmfs.noaa.gov) or by contacting the appropriate FWS and NMFS regional office.

3. *You are Covered Under the Eligibility Certification of Another Operator for the Project Area (See Criterion F of Part 1.3.C.6 of the CGP).*

Your stormwater discharges and stormwater discharge-related activities were already addressed in another operator's certification of eligibility under Criteria A through E of Part 1.3.C.6 which also included your project area. For example, a general contractor or developer may have completed and filed an NOI for the entire project area with the necessary Endangered Species Act certifications (criteria A-E), subcontractors may then rely upon that certification and must comply with any conditions resulting from that process. By certifying eligibility under Criterion F of Part 1.3.C.6, you agree to comply with any measures or controls upon which the other operator's certification under Criterion B, C, or D of Part 1.3.C.6 was based. Certification under Criterion F of Part 1.3.C.6 is discussed in more detail in the Fact Sheet that accompanies this permit.

You must comply with any terms and conditions imposed under the eligibility requirements of Criterion A through F to ensure that your stormwater discharges and stormwater discharge-related activities are protective of listed species and/or critical habitat. Such terms and conditions must be incorporated in the project's SWPPP. If the eligibility requirements of Part 1.3.C.6 cannot be met, then you are not eligible for coverage under the CGP. In these instances, you may consider applying to EPA for an individual permit.

Appendix D - Small Construction Waivers and Instructions

These waivers are only available to stormwater discharges associated with small construction activities (i.e., 1-5 acres). As the operator of a small construction activity, you may be able to qualify for a waiver in lieu of needing to obtain coverage under this general permit based on: (A) a low rainfall erosivity factor, (B) a TMDL analysis, or (C) an equivalent analysis that determines allocations for small construction sites are not needed. Each operator, otherwise needing permit coverage, must notify EPA of its intention for a waiver. It is the responsibility of those individuals wishing to obtain a waiver from coverage under this general permit to submit a complete and accurate waiver certification as described below. Where the operator changes or another is added during the construction project, the new operator must also submit a waiver certification to be waived.

A. Rainfall Erosivity Waiver

Under this scenario the small construction project's rainfall erosivity factor calculation ("R" in the Revised Universal Soil Loss Equation) is less than 5 during the period of construction activity. The operator must certify to the EPA that construction activity will occur only when the rainfall erosivity factor is less than 5. The period of construction activity begins at initial earth disturbance and ends with final stabilization. Where vegetation will be used for final stabilization, the date of installation of a stabilization practice that will provide interim non-vegetative stabilization can be used for the end of the construction period, provided the operator commits (as a condition of waiver eligibility) to periodically inspect and properly maintain the area until the criteria for final stabilization as defined in the construction general permit have been met. If use of this interim stabilization eligibility condition was relied on to qualify for the waiver, signature on the waiver with its certification statement constitutes acceptance of and commitment to complete the final stabilization process. The operator must submit a waiver certification to EPA prior to commencing construction activities.

Note: The rainfall erosivity factor "R" is determined in accordance with Chapter 2 of Agriculture Handbook Number 703, Predicting Soil Erosion by Water: A Guide to Conservation Planning With the Revised Universal Soil Loss Equation (RUSLE), pages 21–64, dated January 1997; United States Department of Agriculture (USDA), Agricultural Research Service.

EPA has developed an online rainfall erosivity calculator to help small construction sites determine potential eligibility for the rainfall erosivity waiver.You can access the calculator from EPA's website at: www.epa.gov/npdes/stormwater/lew. The R factor can easily be calculated by using the construction site latitude/longitude or address and estimated start and end dates of construction. This calculator may also be useful in determining the time periods during which construction activity could be waived from permit coverage. You may find that moving your construction activity by a few weeks or expediting site stabilization will allow you to qualify for the waiver. Use this online calculator or the Construction Rainfall Erosivity Waiver Fact Sheet

(www.epa.gov/npdes/pubs/fact3-1.pdf) to assist in determining the R Factor for your small construction site.

If you are the operator of the construction activity and eligible for a waiver based on low erosivity potential, you may submit a rainfall erosivity waiver electronically via EPA's eNOI system (www.epa.gov/npdes/eNOI) or provide the following information on the waiver certification form in order to be waived from permitting requirements:

1. Name, address and telephone number of the construction site operators;
2. Name (or other identifier), address, county or similar governmental subdivision, and latitude/longitude of the construction project or site;
3. Estimated construction start and completion (i.e., final stabilization) dates, and total acreage (to the nearest quarter acre) to be disturbed;
4. The rainfall erosivity factor calculation that applies to the active construction phase at your project site; and
5. A statement, signed and dated by an authorized representative as provided in Appendix G, Subsection 11, that certifies that the construction activity will take place during a period when the value of the rainfall erosivity factor is less than five.

You can access the waiver certification form from EPA's website at: (http://www.epa.gov/npdes/pubs/construction_waiver_form.pdf). Paper copies of the form must be sent to one of the addresses listed in Part D of this section.

Note: If the R factor is 5 or greater, you cannot apply for the rainfall erosivity waiver, and must apply for permit coverage as per Subpart 2.1 of the construction general permit, unless you qualify for the Water Quality Waiver as described below.

If your small construction project continues beyond the projected completion date given on the waiver certification, you must recalculate the rainfall erosivity factor for the new project duration. If the R factor is below five (5), you must update all applicable information on the waiver certification and retain a copy of the revised waiver as part of the site SWPPP. The new waiver certification must be submitted prior to the projected completion date listed on the original waiver form to assure your exemption from permitting requirements is uninterrupted. If the new R factor is five (5) or above, you must submit an NOI as per Part 2.

B. TMDL Waiver

This waiver is available if EPA has established or approved a TMDL that addresses the pollutant(s) of concern and has determined that controls on stormwater discharges from small construction activity are not needed to protect water quality. The pollutant(s) of concern include sediment (such as total suspended solids, turbidity or siltation) and any other pollutant that has been identified as a cause of impairment of any water body that will receive a discharge from the construction activity. Information on TMDLs that have been established or approved by EPA is available from EPA online at http://www.epa.gov/owow/tmdl/ and from state and tribal water quality agencies.

If you are the operator of the construction activity and eligible for a waiver based on compliance with an EPA established or approved TMDL, you must provide the following information on the Waiver Certification form in order to be waived from permitting requirements:

1. Name, address and telephone number of the construction site operator(s);
2. Name (or other identifier), address, county or similar governmental subdivision, and latitude/longitude of the construction project or site;
3. Estimated construction start and completion (i.e., final stabilization) dates, and total acreage (to the nearest quarter acre) to be disturbed;
4. The name of the water body(s) that would be receiving stormwater discharges from your construction project;
5. The name and approval date of the TMDL;
6. A statement, signed and dated by an authorized representative as provided in Appendix G, Subsection 11, that certifies that the construction activity will take place and that the stormwater discharges will occur, within the drainage area addressed by the TMDL.

C. Equivalent Analysis Waiver

This waiver is available for non-impaired waters only. The operator can develop an equivalent analysis that determines allocations for his small construction site for the pollutant(s) of concern or determines that such allocations are not needed to protect water quality. This waiver requires a small construction operator to develop an equivalent analysis based on existing in-stream concentrations, expected growth in pollutant concentrations from all sources, and a margin of safety.

If you are a construction operator who wants to use this waiver, you must develop your equivalent analysis and provide the following information to be waived from permitting requirements:

1. Name, address and telephone number of the construction site operator(s);
2. Name (or other identifier), address, county or similar governmental subdivision, and latitude/longitude of the construction project or site;
3. Estimated construction start and completion (i.e., final stabilization) dates, and total acreage (to the nearest quarter acre) to be disturbed;
4. The name of the water bodies that would be receiving stormwater discharges from your construction project;
5. Your equivalent analysis;
6. A statement, signed and dated by an authorized representative as provided in Appendix G, Subsection 11, that certifies that the construction activity will take place and that the stormwater discharges will occur, within the drainage area addressed by the equivalent analysis.

D. Waiver Deadlines and Submissions

1. Waiver certifications must be submitted prior to commencement of construction activities.
2. If you submit a TMDL or equivalent analysis waiver request, you are not waived until EPA approves your request. As such, you may not commence construction activities until receipt of approval from EPA.
3. Late Notifications: Operators are not prohibited from submitting waiver certifications after initiating clearing, grading, excavation activities, or other construction activities. The Agency reserves the right to take enforcement for any unpermitted discharges that occur between the time construction commenced and waiver authorization is granted.

Submittal of a waiver certification is an optional alternative to obtaining permit coverage for discharges of stormwater associated with small construction activity, provided you qualify for the waiver. Any discharge of stormwater associated with small construction activity not covered by either a permit or a waiver may be considered an unpermitted discharge under the Clean Water Act. As mentioned above, EPA reserves the right to take enforcement for any unpermitted discharges that occur between the time construction commenced and either discharge authorization is granted or a complete and accurate waiver certification is submitted. EPA may notify any operator covered by a waiver that they must apply for a permit. EPA may notify any operator who has been in non-compliance with a waiver that they may no longer use the waiver for future projects. Any member of the public may petition EPA to take action under this provision by submitting written notice along with supporting justification.

Complete and accurate Rainfall Erosivity waiver certifications not otherwise submitted electronically via EPA's eNOI system (www.epa.gov/npdes/eNOI) must be sent to one of the following addresses:

Regular U.S. Mail Delivery
EPA Stormwater Notice Processing Center
Mail Code 4203M
U.S. EPA
1200 Pennsylvania Avenue, NW
Washington, DC 20460

Overnight/Express Mail Delivery
EPA Stormwater Notice Processing Center
Room 7420
U.S. EPA
1201Constitution Avenue, NW
Washington, DC 20004

Complete and accurate TMDL or equivalent analysis waiver requests must be sent to the applicable EPA Region office specified in Appendix B.

Appendix E - Notice of Intent Form and Instructions

From the effective date of this permit, operators are to use the Notice of Intent Form contained in this Appendix to obtain permit coverage.

This Form Replaces Form 3510-9 (8-98)
Refer to the Following Pages for Instructions

Form Approved OMB Nos. 2040-0188 and 2040-0211

NPDES FORM

EPA

United States Environmental Protection Agency
Washington, DC 20460

Notice of Intent (NOI) for Storm Water Discharges Associated with Construction Activity Under an NPDES General Permit

Submission of this Notice of Intent (NOI) constitutes notice that the party identified in Section II of this form requests authorization to discharge pursuant to the NPDES Construction General Permit (CGP) permit number identified in Section I of this form. Submission of this NOI also constitutes notice that the party identified in Section II of this form meets the eligibility requirements of the CGP for the project identified in Section III of this form. Permit coverage is required prior to commencement of construction activity until you are eligible to terminate coverage as detailed in the CGP. To obtain authorization, you must submit a complete and accurate NOI form. Refer to the instructions at the end of this form.

I. Permit Number

II. Operator Information

Name:

IRS Employer Identification Number (EIN): –

Mailing Address:

Street:

City: State: Zip Code: -

Phone: - - Fax (optional): - -

E-mail:

III. Project/Site Information

Project/Site Name:

Project Street/Location:

City: State: Zip Code: -

County or similar government subdivision:

Latitude/Longitude (Use one of three possible formats, and specify method)

Latitude 1. __°__'__" N (degrees, minutes, seconds)
2. __°__.__' N (degrees, minutes, decimal)
3. __.__ __° N (degrees decimal)

Longitude 1. ___°__'__" W (degrees, minutes, seconds)
2. ___°__.__' W (degrees, minutes, decimal)
3. ___.__ __° W (degrees decimal)

Method: ☐ U.S.G.S. topographic map ☐ EPA web site ☐ GPS ☐ Other:

If you used a U.S.G.S. topographic map, what was the scale? _____

Project located in Indian Country? ☐ YES ☐ NO

If yes, name of reservation, or if not part of a reservation, put "Not Applicable:" _____

Estimated Project Start Date: / / (Month Day Year)

Estimated Project Completion Date: / / (Month Day Year)

Estimated Area to be Disturbed (to the nearest quarter acre): .

IV. SWPPP Information

Has the SWPPP been prepared in advance of filing this NOI? ☐ YES ☐ NO

Location of SWPP for Viewing: ☐ Address in Section II ☐ Address in Section III ☐ Other

If other:

SWPPP Street: _____

City: _____ State: ____ Zip Code: _____ - _____

SWPPP Contact Information (if different than that in Section II):

Name: _____

Phone: ___ - ___ - _____ Fax (optional): ___ - ___ - _____

E-mail: _____

V. Discharge Information

Identify the name(s) of waterbodies to which you discharge. _____

_____

Is this discharge consistent with the assumptions and requirements of applicable EPA approved or established TMDL(s)? ☐ YES ☐ NO

VI. Endangered Species Protection

Under which criterion of the permit have you satisfied your ESA eligibility obligations?

☐ A ☐ B ☐ C ☐ D ☐ E ☐ F

If you select criterion F, provide permit tracking number of operator under which you are certifying eligibility:

_____

VII. Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print Name: _____

Title: _____

Signature: _____ Date: _____

E-mail: _____

NOI Preparer (Complete if NOI was prepared by someone other than the certifier)

Prepared by: _____

Organization: _____

Phone: ___ - ___ - _____ Ext. ___ E-mail: _____

Instructions for Completing EPA Form 3510-9

Notice of Intent (NOI) for Storm Water Discharges Associated with Construction Activity Under an NPDES General Permit

NPDES Form Date | This Form Replaces Form 3510-9 (8/98) | Form Approved OMB Nos. 2040-0188 and 2040-0211

Who Must File an NOI Form
Under the provisions of the Clean Water Act, as amended (33 U.S.C. 1251 et. seq.; the Act), federal law prohibits storm water discharges from certain construction activities to waters of the U.S. unless that discharge is covered under a National Pollutant Discharge Elimination System (NPDES) Permit. Operator(s) of construction sites where one or more acres are disturbed, smaller sites that are part of a larger common plan of development or sale where there is a cumulative disturbance of at least one acre, or any other site specifically designated by the Director, must submit an NOI to obtain coverage under an NPDES general permit. Each person, firm, public organization, or any other entity that meets either of the following criteria must file this form: (1) they have operational control over construction plans and specifications, including the ability to make modifications to those plans and specifications; or (2) they have day-to-day operational control of those activities at the project necessary to ensure compliance with SWPPP requirements or other permit conditions. If you have questions about whether you need an NPDES storm water permit, or if you need information to determine whether EPA or your state agency is the permitting authority, refer to *www.epa.gov/npdes/stormwater/cgp* or telephone the Storm Water Notice Processing Center at (866) 352-7755.

Where to File NOI Form
See the applicable CGP for information on where to send your completed NOI form.

Completing the Form
Obtain and read a copy of the appropriate EPA Storm Water Construction General Permit for your area. To complete this form, type or print uppercase letters, in the appropriate areas only. Please place each character between the marks (abbreviate if necessary to stay within the number of characters allowed for each item). Use one space for breaks between words, but not for punctuation marks unless they are needed to clarify your response. If you have any questions on this form, refer to *www.epa.gov/npdes/stormwater/cgp* or telephone the Storm Water Notice Processing Center at (866) 352-7755. Please submit original document with signature in ink . do not send a photocopied signature.

Section I. Permit Number
Provide the number of the permit under which you are applying for coverage (see Appendix B of the general permit for the list of eligible permit numbers).

Section II. Operator Information
Provide the legal name of the person, firm, public organization, or any other entity that operates the project described in this application. An operator of a project is a legal entity that controls at least a portion of site operations and is not necessarily the site manager. Provide the employer identification number (EIN from the Internal Revenue Service; IRS), also commonly referred to as your taxpayer ID. If the applicant does not have an EIN enter "NA" in the space provided. Also provide the operator's mailing address, telephone number, fax number (optional) and e-mail address (to be notified via e-mail of NOI approval when available). Correspondence for the NOI will be sent to this address.

Section III. Project/Site Information
Enter the official or legal name and complete street address, including city, state, zip code, and county or similar government subdivision of the project or site. If the project or site lacks a street address, indicate the general location of the site (e.g., Intersection of State Highways 61 and 34). Complete site information must be provided for permit coverage to be granted.

The applicant must also provide the latitude and longitude of the facility either in degrees, minutes, seconds; degrees, minutes, decimal; or decimal format. The latitude and longitude of your facility can be determined in several different ways, including through the use of global positioning system (GPS) receivers, U.S. Geological Survey (U.S.G.S.) topographic or quadrangle maps, and EPA's web-based siting tools, among others. Refer to *www.epa.gov/npdes/stormwater/cgp* for further guidance on the use of these methodologies. For consistency, EPA requests that measurements be taken from the approximate center of the construction site. Applicants must specify which method they used to determine latitude and longitude. If a U.S.G.S. topographic map is used, applicants are required to specify the scale of the map used.

Indicate whether the project is in Indian country, and if so, provide the name of the Reservation. If the project is in Indian Country Lands that are not part of a Reservation, indicate "not applicable" in the space provided.

Enter the estimated construction start and completion dates using four digits for the year (i.e., 05/27/1998). Enter the estimated area to be disturbed including but not limited to: grubbing, excavation, grading, and utilities and infrastructure installation. Indicate to the nearest quarter acre. Note: 1 acre = 43,560 sq. ft.

Section IV. SWPPP Information
Indicate whether or not the SWPPP was prepared in advance of filing the NOI form. Check the appropriate box for the location where the SWPPP may be viewed. Provide the name, fax number (optional), and e-mail address of the contact person if different than that listed in Section II of the NOI form.

Section V. Discharge Information
Enter the name(s) of receiving waterbodies to which the project's storm water will discharge. These should be the first bodies of water that the discharge will reach. (Note: If you discharge to more than one waterbody, please indicate all such waters in the space provided and attach a separate sheet if necessary.) For example, if the discharge leaves your

site and travels through a roadside swale or a storm sewer and then enters a stream that flows to a river, the stream would be the receiving waterbody. Waters of the U.S. include lakes, streams, creeks, rivers, wetlands, impoundments, estuaries, bays, oceans, and other surface bodies of water within the confines of the U.S. and U.S. coastal waters. Waters of the U.S. do not include man-made structures created solely for the purpose of wastewater treatment. U.S. Geological Survey topographical maps may be used to make this determination. If the map does not provide a name, use a format such as "unnamed tributary to Cross Creek". If you discharge into a municipal separate storm sewer system (MS4), you must identify the waterbody into which that portion of the storm sewer discharges. That information should be readily available from the operator of the MS4.

Indicate whether your storm water discharges from construction activities will be consistent with the assumptions and requirements of applicable EPA approved or established TMDL(s). To answer this question, refer to www.epa.gov/npdes/stormwater/cgp for state- and regional-specific TMDL information related to the construction general permit. You may also have to contact your EPA regional office or state agency. If there are no applicable TMDLs or no related requirements, please check the "yes" box in the NOI form.

Section VI. Endangered Species Information

Indicate for which criterion (i.e., A, B, C, D, E, or F) of the permit the applicant is eligible with regard to protection of federally listed endangered and threatened species, and designated critical habitat. See Part 1.3.C.6 and Appendix C of the permit. If you select criterion F, provide the permit tracking number of the operator under which you are certifying eligibility. The permit tracking number is the number assigned to the operator by the Storm Water Notice Processing Center after EPA acceptance of a complete NOI.

Section VII. Certification Information

All applications, including NOIs, must be signed as follows: *For a corporation:* By a responsible corporate officer. For the purpose of this Section, a responsible corporate officer means:

(i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

For a partnership or sole proprietorship: By a general partner or the proprietor, respectively; or

For a municipality, state, federal, or other public agency: By either a principal executive officer or ranking elected official. For purposes of this Part, a principal executive officer of a federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrator of EPA).

Include the name, title, and email address of the person signing the form and the date of signing. An unsigned or undated NOI form will not be considered eligible for permit coverage. If the NOI was prepared by someone other than the certifier (for example, if the NOI was prepared by the facility SWPPP contact or a consultant for the certifier's signature), include the name, organization, phone number and email address of the NOI preparer.

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 3.7 hours. This estimate includes time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding the burden estimate, any other aspect of the collection of information, or suggestions for improving this form, including any suggestions which may increase or reduce this burden to: Chief, Information Policy Branch 2136, U.S. Environmental Protection, Agency, 1200 Pennsylvania Avenue, NW, Washington, D.C. 20460. Include the OMB control number on any correspondence. Do not send the completed form to this address.

Visit this website for mailing instructions:
www.epa.gov/npdes/stormwater/mail

Visit this website for instructions on how to submit electronically:
www.epa.gov/npdes/stormwater/enoi

Appendix F - Notice of Termination Form and Instructions

From the effective date of this permit, operators are to use the Notice of Termination Form contained in this Appendix to terminate permit coverage.

This Form Replaces Form 3517-7 (8-98)
Refer to the Following Page for Instructions

Form Approved OMB Nos. 2040-0086 and 2040-0211

NPDES FORM

EPA

United States Environmental Protection Agency
Washington, DC 20460

Notice of Termination (NOT) of Coverage Under an NPDES General Permit for Stormwater Discharges Associated with Construction Activity

Submission of this Notice of Termination constitutes notice that the party identified in Section II of this form is no longer authorized to discharge stormwater associated with construction activity under the NPDES program from the site identified in Section III of this form. All necessary information must be included on this form. Refer to the instructions at the end of this form.

I. Permit Information

NPDES Stormwater General Permit Tracking Number: _____

Reason for Termination (Check only one):

- ☐ Final stabilization has been achieved on all portions of the site for which you are responsible.
- ☐ Another operator has assumed control, according to Appendix G, Section 11.C of the CGP, over all areas of the site that have not been finally stabilized.
- ☐ Coverage under an alternative NPDES permit has been obtained.
- ☐ For residential construction only, temporary stabilization has been completed and the residence has been transferred to the homeowner.

II. Operator Information

Name: _____

IRS Employer Identification Number (EIN): ___ – _____

Mailing Address:

Street: _____

City: _____ State: ___ Zip Code: _____ - ____

Phone: ___ - ___ - ____ Fax (optional): ___ - ___ - ____

E-mail: _____

III. Project/Site Information

Project/Site Name: _____

Project Street/Location: _____

City: _____ State: ___ Zip Code: _____ - ____

County or similar government subdivision: _____

IV. Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print Name: _____

Print Title: _____

Email: _____

Signature: _____

Date: _____

Instructions for Completing EPA Form 3510-13

Notice of Termination (NOT) of Coverage Under an NPDES General Permit for Stormwater Discharges Associated with Construction Activity

NPDES Form | This Form Replaces Form 3517-7 (8-98) | Form Approved OMB Nos. 2040-0086 and 2040-0211

Who May File an NOT Form
Permittees who are presently covered under the EPA-issued National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater Discharges Associated with Construction Activity may submit an NOT form when final stabilization has been achieved on all portions of the site for which you are responsible; another operator has assumed control in accordance with Appendix G, Section 11.C of the General Permit over all areas of the site that have not been finally stabilized; coverage under an alternative NPDES permit has been obtained; or for residential construction only, temporary stabilization has been completed and the residence has been transferred to the homeowner.

"Final stabilization" means that all soil disturbing activities at the site have been completed and that a uniform perennial vegetative cover with a density of at least 70% of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed. See "final stabilization" definition in Appendix A of the Construction General Permit for further guidance where background native vegetation covers less than 100 percent of the ground, in arid or semi-arid areas, for individual lots in residential construction, and for construction projects on land used for agricultural purposes.

Completing the Form
Type or print, using uppercase letters, in the appropriate areas only. Please place each character between the marks. Abbreviate if necessary to stay within the number of characters allowed for each item. Use only one space for breaks between words, but not for punctuation marks unless they are needed to clarify your response. If you have any questions about this form, refer to *www.epa.gov/npdes/stormwater/cgp* or telephone the Stormwater Notice Processing Center at (866) 352-7755. Please submit original document with signature in ink - do not send a photocopied signature.

Section I. Permit Number
Enter the existing NPDES Stormwater General Permit Tracking Number assigned to the project by EPA's Stormwater Notice Processing Center. If you do not know the permit tracking number, refer to *www.epa.gov/npdes/stormwater/cgp* or contact the Stormwater Notice Processing Center at (866) 352-7755.

Indicate your reason for submitting this Notice of Termination by checking the appropriate box. Check only one:

Final stabilization has been achieved on all portions of the site for which you are responsible.

Another operator has assumed control according to Appendix G, Section 11.C over all areas of the site that have not been finally stabilized.

Coverage under an alternative NPDES permit has been obtained.

For residential construction only, if temporary stabilization has been completed and the residence has been transferred to the homeowner.

Section II. Operator Information
Provide the legal name of the person, firm, public organization, or any other entity that operates the project described in this application and is covered by the permit tracking number identified in Section I. The operator of the project is the legal entity that controls the site operation, rather than the site manager. Provide the employer identification number (EIN from the Internal Revenue Service; IRS). If the applicant does not have an EIN enter "NA" in the space provided. Enter the complete mailing address, telephone number, and email address of the operator. Optional: enter the fax number of the operator.

Section III. Project/Site Information
Enter the official or legal name and complete street address, including city, state, zip code, and county or similar government subdivision of the project or site. If the project or site lacks a street address, indicate the general location of the site (e.g., Intersection of State Highways 61 and 34). Complete site information must be provided for termination of permit coverage to be valid.

Section IV. Certification Information
All applications, including NOIs, must be signed as follows:
For a corporation: By a responsible corporate officer. For the purpose of this Part, a responsible corporate officer means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy-or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

For a partnership or sole proprietorship: By a general partner or the proprietor, respectively; or

For a municipality, state, federal, or other public agency: By either a principal executive officer or ranking elected official. For purposes of this Part, a principal executive officer of a federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrator of EPA).

Include the name, title, and email address of the person signing the form and the date of signing. An unsigned or undated NOT form will not be considered valid termination of permit coverage.

Paperwork Reduction Act Notice
Public reporting burden for this application is estimated to average 0.5 hours per notice, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding the burden estimate, any other aspect of the collection of information, or suggestions for improving this form including any suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, 2136, U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include the OMB number on any correspondence. Do not send the completed form to this address.

Visit this website for mailing instruction:
www.epa.gov/npdes/stormwater/mail

Visit this website for instructions on how to submit electronically:
www.epa.gov/npdes/stormwater/enoi

Appendix G - Standard Permit Conditions

STANDARD PERMIT CONDITIONS

1. Duty To Comply

You must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

A. You must comply with effluent standards or prohibitions established under section 307(a) of the Clean Water Act for toxic pollutants and with standards for sewage sludge use or disposal established under section 405(d) of the CWA within the time provided in the regulations that establish these standards or prohibitions or standards for sewage sludge use or disposal, even if the permit has not yet been modified to incorporate the requirement.

B. The Clean Water Act provides that any person who violates section 301, 302, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any such sections in a permit issued under section 402, or any requirement imposed in a pretreatment program approved under sections 402(a)(3) or 402(b)(8) of the Act, is subject to a civil penalty not to exceed the maximum amounts authorized by Section 309(d) of the Act and the Federal Civil Penalties Inflation Adjustment Act (28 U.S.C. §2461 note) as amended by the Debt Collection Improvement Act (31 U.S.C. §3701 note) (currently $27,500 per day for each violation).

   The Clean Water Act provides that any person who negligently violates sections 301, 302, 306, 307, 308, 318, or 405 of the Act, or any condition or limitation implementing any of such sections in a permit issued under section 402 of the Act, or any requirement imposed in a pretreatment program approved under section 402(a)(3) or 402(b)(8) of the Act, is subject to criminal penalties of $2,500 to $25,000 per day of violation, or imprisonment of not more than 1 year, or both. In the case of a second or subsequent conviction for a negligent violation, a person shall be subject to criminal penalties of not more than $50,000 per day of violation, or by imprisonment of not more than 2 years, or both. Any person who knowingly violates such sections, or such conditions or limitations is subject to criminal penalties of $5,000 to $50,000 per day of violation, or imprisonment for not more than 3 years, or both. In the case of a second or subsequent conviction for a knowing violation, a person shall be subject to criminal penalties of not more than $100,000 per day of violation, or imprisonment of not more than 6 years, or both. Any person who knowingly violates section 301, 302, 303, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any of such sections in a permit issued under section 402 of the Act, and who knows at that time that he thereby places another person in imminent danger of death or serious bodily injury, shall, upon conviction, be subject to a fine of not more than $250,000 or imprisonment of not more than 15 years, or both. In the case of a second or subsequent conviction for a knowing endangerment violation, a person shall be subject to a fine of not more than $500,000 or by imprisonment of not more than 30 years, or both. An organization, as defined in section 309(c)(3)(B)(iii) of the CWA, shall, upon conviction of violating the imminent danger provision, be subject to a fine of not more than $1,000,000 and can be fined up to $2,000,000 for second or subsequent convictions.

C. Any person may be assessed an administrative penalty by the Administrator for violating section 301, 302, 306, 307, 308, 318 or 405 of this Act, or any permit condition or limitation implementing any of such sections in a permit issued under section 402 of this Act. Pursuant to 40 CFR Part 19 and the Act, administrative penalties for Class I violations are not to exceed the maximum amounts authorized by Section 309(g)(2)(A) of the Act and the Federal Civil Penalties Inflation Adjustment Act (28 U.S.C. §2461 note) as amended by the Debt Collection Improvement Act (31 U.S.C. §3701 note) (currently $11,000 per violation, with the maximum amount of any Class I penalty assessed not to exceed $27,500). Pursuant to 40 CFR Part 19 and the Act, penalties for Class II violations are not to exceed the maximum amounts authorized by Section 309(g)(2)(B) of the Act and the Federal Civil Penalties Inflation Adjustment Act (28 U.S.C. §2461 note) as amended by the Debt Collection Improvement Act (31 U.S.C. §3701 note) (currently $11,000 per day for each day during which the violation continues, with the maximum amount of any Class II penalty not to exceed $137,500).

2. Duty to Reapply

If you wish to continue an activity regulated by this permit after the expiration date of this permit, you must apply for and obtain a new permit.

3. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for you in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

4. Duty to Mitigate

You must take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

5. Proper Operation and Maintenance

You must at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by you to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems which are installed by you only when the operation is necessary to achieve compliance with the conditions of this permit.

6. Permit Actions

This permit may be modified, revoked and reissued, or terminated for cause. Your filing of a request for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

7. Property Rights

This permit does not convey any property rights of any sort, or any exclusive privileges.

8. Duty to Provide Information

You must furnish to EPA, within a reasonable time, any information which EPA may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. You must also furnish to EPA upon request, copies of records required to be kept by this permit.

9. Inspection and Entry

You must allow EPA, or an authorized representative (including an authorized contractor acting as a representative of the Administrator), upon presentation of credentials and other documents as may be required by law, to:

A. Enter upon your premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;

B. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

C. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

D. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

10. Monitoring and Records

A. Samples and measurements taken for the purpose of monitoring must be representative of the monitored activity.

B. You must retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the sample, measurement, report or application. This period may be extended by request of EPA at any time.

C. Records of monitoring information must include:
   1. The date, exact place, and time of sampling or measurements;
   2. The individual(s) who performed the sampling or measurements;
   3. The date(s) analyses were performed
   4. The individual(s) who performed the analyses;
   5. The analytical techniques or methods used; and
   6. The results of such analyses.

D. Monitoring results must be conducted according to test procedures approved under 40 CFR Part 136 or, in the case of sludge use or disposal, approved under 40 CFR Part 136 unless otherwise specified in 40 CFR Part 503, unless other test procedures have been specified in the permit.

E. The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than $10,000, or by imprisonment for not more than 2 years, or both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment is a fine of not more than $20,000 per day of violation, or by imprisonment of not more than 4 years, or both.

11. Signatory Requirements

A. All applications, including NOIs, must be signed as follows:
   1. For a corporation: By a responsible corporate officer. For the purpose of this Part, a responsible corporate officer means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any

other person who performs similar policy- or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

2. For a partnership or sole proprietorship: By a general partner or the proprietor, respectively; or
3. For a municipality, state, federal, or other public agency: By either a principal executive officer or ranking elected official. For purposes of this Part, a principal executive officer of a federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrator of EPA).

B. All reports required by this permit, including SWPPPs, must be signed by a person described in Appendix G, Subsection 11.A above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
   1. The authorization is made in writing by a person described in Appendix G, Subsection 11.A;
   2. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position); and
   3. The signed and dated written authorization is included in the SWPPP. A copy must be submitted to EPA, if requested.

C. Changes to Authorization. If an authorization under Part 2.1 is no longer accurate because a different operator has responsibility for the overall operation of the construction site, a new NOI satisfying the requirements of Part 2.1 must be submitted to EPA prior to or together with any reports, information, or applications to be signed by an authorized representative. The change in authorization must be submitted within the time frame specified in Part 2.4, and sent to the address specified in Part 2.2.

D. Any person signing documents required under the terms of this permit must include the following certification:
   "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons

directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

E. The CWA provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or non-compliance shall, upon conviction, be punished by a fine of not more than $10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.

12. Reporting Requirements

A. Planned changes. You must give notice to EPA as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:
   1. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR §122.29(b); or
   2. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under 40 CFR §122.42(a)(1).

B. Anticipated noncompliance. You must give advance notice to EPA of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

C. Transfers. This permit is not transferable to any person except after notice to EPA. EPA may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under the Clean Water Act. (See 40 CFR §122.61; in some cases, modification or revocation and reissuance is mandatory.)

D. Monitoring reports. Monitoring results must be reported at the intervals specified elsewhere in this permit.
   1. Monitoring results must be reported on a Discharge Monitoring Report (DMR) or forms provided or specified by EPA for reporting results of monitoring of sludge use or disposal practices.
   2. If you monitor any pollutant more frequently than required by the permit using test procedures approved under 40 CFR Part 136 or, in the case of sludge use or disposal, approved under 40 CFR Part 136 unless otherwise specified in 40 CFR Part 503, or as specified in the permit, the results of this monitoring must be included in the calculation and reporting of the data submitted in the DMR or sludge reporting form specified by EPA.
   3. Calculations for all limitations which require averaging of measurements must use an arithmetic mean.

E. Compliance schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit must be submitted no later than 14 days following each schedule date.

F. Twenty-four hour reporting.

1. You must report any noncompliance which may endanger health or the environment. Any information must be provided orally within 24 hours from the time you become aware of the circumstances. A written submission must also be provided within five days of the time you become aware of the circumstances. The written submission must contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
2. The following shall be included as information which must be reported within 24 hours under this paragraph.
   a. Any unanticipated bypass which exceeds any effluent limitation in the permit. (See 40 CFR §122.41(g).)
   b. Any upset which exceeds any effluent limitation in the permit
   c. Violation of a maximum daily discharge limitation for any of the pollutants listed by EPA in the permit to be reported within 24 hours. (See 40 CFR §122.44(g).)

13. EPA may waive the written report on a case-by-case basis for reports under Appendix G, Subsection 12.F.2 if the oral report has been received within 24 hours.

G. Other noncompliance. You must report all instances of noncompliance not reported under Appendix G, Subsections 12.D, 12.E, and 12.F, at the time monitoring reports are submitted. The reports must contain the information listed in Appendix G, Subsection 12.F.

H. Other information. Where you become aware that you failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Permitting Authority, you must promptly submit such facts or information.

13. Bypass

A. Definitions.
   1. Bypass means the intentional diversion of waste streams from any portion of a treatment facility
   2. Severe property damage means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

B. Bypass not exceeding limitations. You may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Appendix G, Subsections 13.C and 13.D.

C. Notice–
   1. Anticipated bypass. If you know in advance of the need for a bypass, you must submit prior notice, if possible at least ten days before the date of the bypass.
   2. Unanticipated bypass. You must submit notice of an unanticipated bypass as required in Appendix G, Subsection 12.F (24-hour notice).

D. Prohibition of bypass.
   1. Bypass is prohibited, and EPA may take enforcement action against you for bypass, unless:
      a. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
      b. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
      c. You submitted notices as required under Appendix G, Subsection 13.C.
   2. EPA may approve an anticipated bypass, after considering its adverse effects, if EPA determines that it will meet the three conditions listed above in Appendix G, Subsection 13.D.1.

14. Upset

A. Definition. Upset means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond your reasonable control. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

B. Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the requirements of Appendix G, Subsection 14.C are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.

C. Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset must demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
   1. An upset occurred and that you can identify the cause(s) of the upset;
   2. The permitted facility was at the time being properly operated; and
   3. You submitted notice of the upset as required in Appendix G, Subsection 12.F.2.b(24 hour notice).
   4. You complied with any remedial measures required under Appendix G, Section 4.

D. Burden of proof. In any enforcement proceeding, you, as the one seeking to establish the occurrence of an upset, has the burden of proof.

REQUEST FOR PROPOSALS
McNary – John Day Transmission Line Construction

Revision No.	Issued By:	Date Issued:
2	Bonneville Power Administration Supply Chain Services – NSSV-MODW P.O. Box 491 Vancouver, WA 98666-0491	April 10, 2009

A. The Request for Offer is changed as follows:

1. The following questions have been submitted followed by the answers (numbering continues from previous Revision):

- **Question #III:** Is BPA going to provide any fencing and rock in the Patterson field yard. If so to what extent? Will approach to hwy be rocked by BPA? **Answer:** BPA will fully rock the approach and a road part way in to the property. BPA will install a permanent fence on the school side of the property. The contractor will be responsible for securing the material yard and it contents during the life of the construction project. BPA will grub approximately 30 acres.

- **Question #IV:** To what degree do you expect contractor to water areas for dust control? In sandy areas like the one we experienced in 100 circle farm, there seems to be a lot of dust. **Answer:** BPA will spray emulsion to control dust over any areas of the 30 acres in field yard it uses prior to turning over to the contractor. The contractor will be responsible for strictly controlling dust at the material yard next to the school during the life of the construction project. The contractor will be responsible for strictly controlling dust on roads and construction sites in the vicinity of vineyards, orchards, and ag lands to keep dust from reaching these crops. In areas not near crops, the contractor will be responsible for controlling dust on roads and construction sites to the extent necessary to ensure safe working and driving conditions.

- **Question #V:** Who is responsible for crop damage? Who will pay for crop damage if contractor drops wire or sock line on vineyards? **Answer:** BPA will cover crop damage allowed for in the contract. This will cover reasonable disturbances required for road construction, structures sites, landing sites for wire pulls etc. However, the contractor is responsible for damage they can control or outside the areas COTR considers that contractor caused unreasonable damage. Contract requires contractor to provide guard structures to prevent dropping wire between structures. Therefore if dropped wire causes damage outside the area allowed for structure sites, the contractor will have to pay the damages.

- **Question #VI:** What latitude is given to the contractor for foundation types? **Answer:** Contractors price proposal should be based on Foundation types that are specified in RFO specification and drawings. If contractor anticipates a cost saving by using a alternate foundation type, this can be proposed for BPA consideration under the COST SAVINGS, Listed in Instructions & Evaluation process.

- **Question #VII:** In the SWPP/MIT plans section 2.2.2 Access Roads it specifies that 12 miles of new road construction and 40 miles of reconstructed roads will be required by this project, but in the access road improvements summary it specifies that 60063ft (11.37mi) of new constructed roads and 244,656 ft (82.68mi) of reconstructed roads are to be built. Which is correct? **Answer:** The road work requirement for this project is detailed on the access road improvements summary. So your price proposal should be based on this. The description of

construction activities described In the SWPP/MIT plans is a general estimate of the amount of disturbance that will occur due to road work on the project. It is a necessary part of the SWPPP to include amount potential impact and the type of work causing it. There is similar information on the potential disturbance caused by tower installation. This is by no means an accurate description of work required on this project and should not be used for purpose of pricing road work , foundations etc.

- **Question #VIII**: The X158G and X158B structure drawings were not provided. Please provide drawings with weights. **Answer:** Designs for these towers are not completed yet. The preliminary drawing provided tower heights and estimated weights under the FOOTINGS tab. It is the last drawing in that section and has a PRELIMINARY stamp dated 2/18/09.

- **Question #IX:** The 28PW and 28M1 structure drawings were not provided. Please provide drawings with weights. **Answer:** Tower type 28M is provided under the REMOVAL tab. The 28PW tower body drawing (143125A) is provided under LATTICE STEEL TOWERS tab. Tower 28PW uses the 28P body ext, leg ext, and footings provided under the REMOVAL tab.

- **Question #X:** Can detail assembly drawings be provided for all structures so structure assembly weights can be used for helicopter picks? **Answer:** The tower design drawings provide the assembled weights for the bodies and body extensions. That should be enough information to determine how many picks are needed for a given tower body. Erection drawings will be provided to the successful bidder.

- **Question #XI:** I cannot find foundation drawings for the tower types in the Rock creek relocate area, tower series 28? **Answer:** These tower drawings are provided under the REMOVAL tab. The index refers to this section for the 28 series towers. For the 28PW, use the 28P tower footings.

- **Question #XII:** Structure 66/3 is designated for pier foundations on the structure list, but no depth or diameter is listed for that tower in section two of additional specs pg. 25 where the other pier dimensions are listed? **Answer:** The information given in structure list is correct. Correct omission in Section 07.01.01., and modify the table in this section to include Structure 66/3 as follows:

66/3	ATA 326	Drilled Shaft	4	18

Structure 66/3 will have a drilled shaft foundation 4 ft. diameter, and 18 ft deep.

Schedule of Prices is updated as follows:

Item 3.15, 4 ft dia. Drilled shaft, 18 ft deep at each leg on **9** suspension Twrs.
Soil drilling- **144** LF
Rock drilling -**504** LF

- **Question #XIII:** On the tower structure list for Phase 2 –Miles 42 thru 79 (ATA 208 to ATA 380) it only lists one length for the leg extensions, are we to assume that all four leg extensions are the same length? Or will the other dimensions for the remaining leg extensions be provided? **Answer:** For price proposal assume all the leg lengths are the same. Actual leg lengths will be calculated at a later date, and any changes will be adjusted by change order.

- **Question #XIV:** The specifications for the following structures are missing structure body weights. Structure Type: 48B, 48B2, 28M1, and 28PW 73' Body. Will this information be provided for these structures? **Answer:** Weights for tower bodies 48B and 48BB were provided, in Rev 1. The tower body for the 48B and 48B2 are the same. The 28M tower body drawing is under the REMOVAL tab and provides weights. The 28PW tower body is under the LATTICE STEEL TOWERS tab and provides the 53' body weight. Use the 28P body extension to make the 73' 28PW body.

- **Question #XV:** The specifications for the following structures are missing leg extension structure weights for structures Type 48T, 48T2, 48B, 48B2, 28M1, 28PW. Will this information be provided for these structures? **Answer:** Use 48D tower legs for the 48T and 48T2 towers. Weights for the tower legs 48D, 48B, and 48BB were provided, in Rev 1. The 28M tower leg drawing is under the REMOVAL tab. The 28PW tower body uses 28P body ext, leg ext, and footings. See attached drawing 132403E for the 28P leg ext to 73' body.

2. The Schedule of Prices is hereby replaced with the attached revised Schedule of Prices.

3. Add new Drawing 132403E to the Lattice Steel Towers Section of the Construction Data Book.

4. All other terms and conditions remain unchanged.

B. If for any reason you decide not to submit an offer, it is requested that you contact Grant Furulie at (509) 358-7359 or by E-mail to **gifurulie@bpa.gov**. Please submit technical questions to Shantini Ratnathicam, Construction Manager, at (360) 619-6584 or by E-mail to **sratnathicam@bpa.gov**.

C. Acknowledge receipt of this Revision by completing the following information and returning this form with your proposal. Failure to provide this acknowledgement may affect BPA's evaluation of your firm's offer.

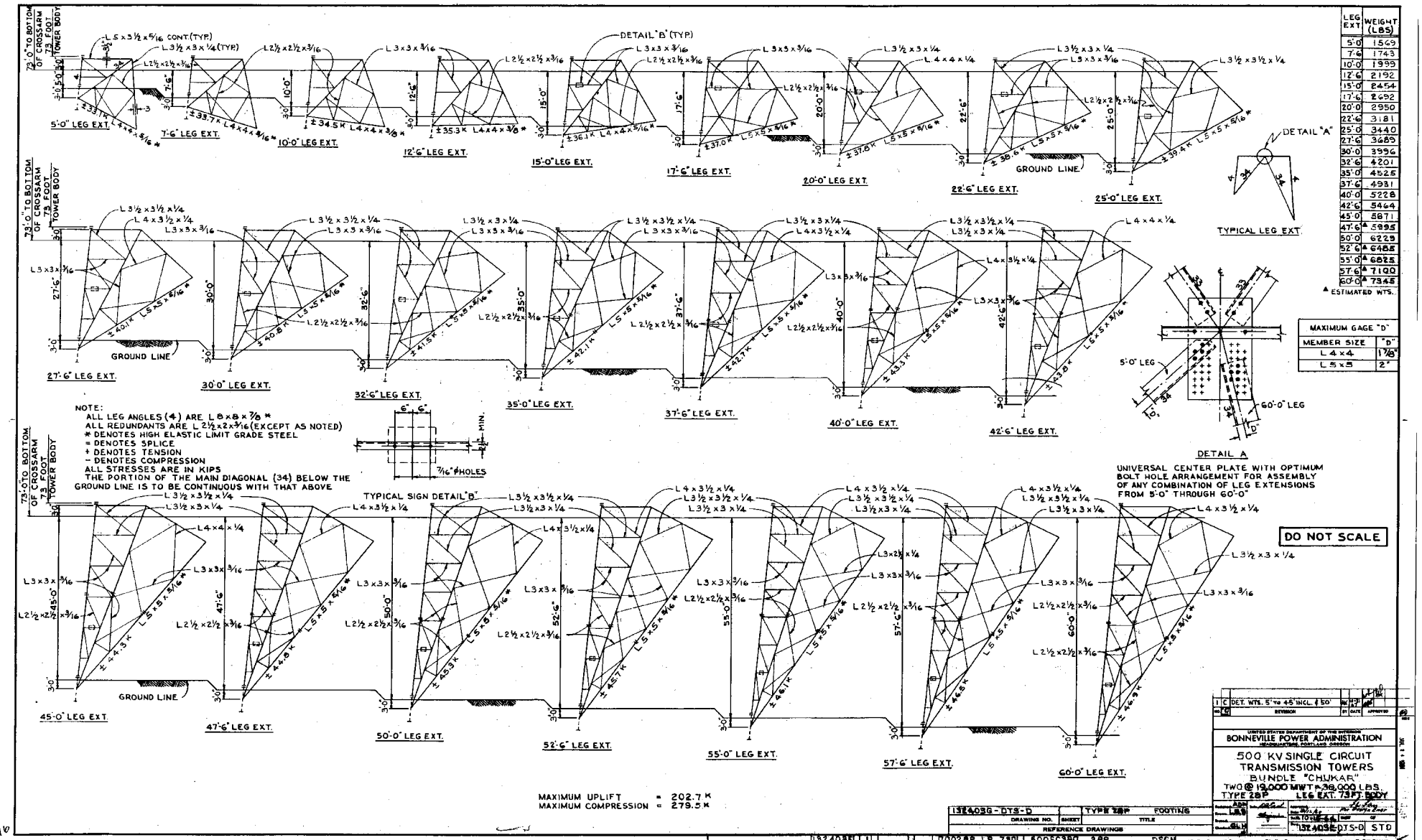
E. Company Name: Wilson Construction Company

F. Signature:

G. Name and Title (printed): Donald M. Wilson, President

H. Date signed: April 28, 2009

Attachments:
Schedule of Prices, 1 page
Drawing Sheet 132403E, 1 page



NOTE:
ALL LEG ANGLES (4) ARE L 8 x 8 x 7/8 *
ALL REDUNDANTS ARE L 2½ x 2 x 3/16 (EXCEPT AS NOTED)
* DENOTES HIGH ELASTIC LIMIT GRADE STEEL
= DENOTES SPLICE
+ DENOTES TENSION
- DENOTES COMPRESSION
ALL STRESSES ARE IN KIPS
THE PORTION OF THE MAIN DIAGONAL (34) BELOW THE GROUND LINE IS TO BE CONTINUOUS WITH THAT ABOVE

LEG EXT.	WEIGHT (LBS)
5'-0	1549
7'-6	1743
10'-0	1999
12'-6	2192
15'-0	2454
17'-6	2692
20'-0	2950
22'-6	3181
25'-0	3440
27'-6	3685
30'-0	3996
32'-6	4201
35'-0	4525
37'-6	4931
40'-0	5228
42'-6	5464
45'-0	5871
47'-6 ▲	5995
50'-0	6229
52'-6 ▲	6488
55'-0 ▲	6825
57'-6 ▲	7100
60'-0 ▲	7345

▲ ESTIMATED WTS.

MAXIMUM GAGE "D"	
MEMBER SIZE	"D"
L 4 x 4	1 7/8"
L 5 x 5	2"

1	C	DET. WTS. 5' TO 45' INCL. & 50'	
NO.	REVISION	BY	DATE

UNITED STATES DEPARTMENT OF THE INTERIOR
BONNEVILLE POWER ADMINISTRATION
HEADQUARTERS, PORTLAND, OREGON

13E403E | 1 | 1002SP LR 73D | 500SC380 28P | DSGN

REQUEST FOR PROPOSALS
McNary – John Day Transmission Line Construction

Revision No.	Issued By:	Date Issued:
3	Bonneville Power Administration Supply Chain Services – NSSV-MODW P.O. Box 491 Vancouver, WA 98666-0491	April 22, 2009

A. The Request for Offer is changed as follows:

1. The following questions have been submitted followed by the answers (numbering continues from previous Revision):

Question #XVI: Would it be possible to provide the tower weight information on the river crossing towers? I was not able to find any drawings for those structure types. **Answer**: This question was answered in Revision 2, Question #VIII. The designs for these towers are not complete yet, but a preliminary drawing is provided under the FOOTINGS tab and shows the tower height and approximate weight. The drawing is stamped PRELIMINARY with a date of 2/18/09. The tower list shows 75/2 having 145' total height, but use 160' instead because the preliminary drawing does not provide a tower weight for 145' X158G. In summary assume following for proposal:

Structure 75/2 - X158G – 160 ft. height – approximate weight 180,000 lbs;
Structure 76/1 - X158B – 315 ft. height – approximate weight 250,000 lbs;
Structure 76/2 - X158G – 160 ft. height – approximate weight 180,000 lbs.

Question #XVII: We would like the following GIS data: 1) McNary to John Day shape file; 2) Any other shape file data that pertains to this line (Property boundaries to culturally sensitive areas, owl borough sites, wetland sites, water crossings, tower points, road building, etc) basically any shape file you could give us access to; and, 3) EIS #DOE-EIS-0332, August 2002. Supplemental Analysis February 2009. **Answer**: BPA does not give out shape files for environmentally sensitive information. The sensitive areas are shown on the photomaps and mitigation measures are provided in the construction data book under the SWPP PLAN/MIT tab. The EIS and SA can be found on BPA's following external website:

http://www.efw.bpa.gov/environmental_services/Document Library/Mcnary-John_Day/

Question #XVIII: For the structures 45/3 ATA 223, 46/2 - ATA 228, 46/3 -ATA 229, 68/3 - ATA 335, 68/4 - ATA 336, the Technical Specifications (Section 07.01.04) lists a different footing type than in the tower structure list, which is correct? **Answer:** Use the footing design listed in the Technical Specification (Section 07.01.04) over the tower list.

Question #XIX: Will the contractor be allowed to pull conductor thru more than 22 structures at one time if need be? **Answer:** No, bid the project based on the 22 structure limit specified in the Master Specification.

Question #XX: As per drawing # 270568, Grounding for Steel towers Ground Rod Installation Details and Material Requirements, it shows grounding details TGR16 and TGR32. However it does not specify which towers they are required on. Which towers require TGR16 and which towers require TGR32? **Answer:** At this time BPA is not planning on using the grounding designs TGR16 and TGR 32, for this project. So these details will not apply to this contract.

Question #XXI: The weights on the leg extensions for the 48D tower are different in the Revision 1 documents than the ones originally provided in the bid documents. Are the new weights in Revision 1 only to be used for the 48T and 48T2 leg extensions? Are the new Revision 1 leg extension weights to be used for the 48D towers also? **Answer**: The 148D and 48D are different tower designs and the weights for the leg extensions do not match. The 148D leg extension weights were provided in original bid documents. Revision 1 provided weights for the 48D leg and body extensions to use for the 48T and 48T2 towers. The 48T and 48T2 tower design uses the 48D leg extensions and grillage footings. The 48D grillage footing weights were provided on drawing 263261 in the FOOTINGS tab.

Question #XXII: The Fiber Optic Cable Installation matrix lists structure numbers but the Fiber Assembly units don't line up. Please provide Fiber Attachment details for each structure? **Answer**: This is to clarify issue with the alignment on the Fiber Installation Sheets. The tower fiber optic hardware assembly does not always line up across the page with the tower number. That is because there may be a fiber assembly on the tower back on line that is different from the assembly ahead on line. This is typical for dead end attachment locations where it takes two lines to specify the correct hardware and attachment location.

Question #XXIII: I have been in contact with BNSF and Union Pacific Railroads and they both request a permit number to be able to communicate the crossing requirements for the McNary-John Day River, railroad, and highway conductor crossing. Can you provide the permit numbers or the requirements outlined in those permits so we can estimate the cost of railroad crossing controls? **Answer**: BPA has not yet obtained permits for **new** River crossing and do not have permit numbers or special requirements. Base your bid on prior experience you have had in similar situations and state your assumptions in the bid. Then if there are additional requirements we could make an equitable adjustment.

Based on reconductoring work done at nearby river crossing, about four years ago both railroads required contractor to pay for flaggers provided by the railroads, for the duration of the overhead work. For the freeways DOT requires flagging plans be preapproved, with provisions to stop traffic if needed. For river traffic you may need to coordinate with coast guard or similar agency. See below for information on river crossing of existing 500 kv BPA line that may be useful.

Union Pacific Railroad, Mile 76 Sherman County
Permit #'s: H-JD-96-X-1002A, H-JD-96-X-1002B
Contact person Karid Bauer 541-564-3998. He is located out of Hermiston
Jon Devish is the main representative out of their corporate office 402-544-8563

BNSF- railroad
Permit #'s: H-JD-95-X-99A, H-JD-95-X-99C
Contacts; Dave Agee-BNSF 206-418-9859, Gus Mulinstin-Crossing Unit with BNSF 206-625-6220

State Hwy 14, Mile 70
Permit #': H-JD-90-294A WDOT
Contact: Rick Holmstrom, 509-577-1633 with WDOT South Central Region

2. All other terms and conditions remain unchanged.

B. If for any reason you decide not to submit an offer, it is requested that you contact Grant Furulie at (509) 358-7359 or by E-mail to **gjfurulie@bpa.gov**. Please submit technical questions to Shantini Ratnathicam, Construction Manager, at (360) 619-6584 or by E-mail to **sratnathicam@bpa.gov**.

C. Acknowledge receipt of this Revision by completing the following information and returning this form with your proposal. Failure to provide this acknowledgement may affect BPA's evaluation of your firm's offer.

E. Company Name: Wilson Construction Company

F. Signature: Kim Wilson

G. Name and Title (printed): Kim E. Wilson, Corporate Secretary

H. Date signed: April 28, 2009

REQUEST FOR PROPOSALS
McNary – John Day Transmission Line Construction

Revision No.	Issued By:	Date Issued:
4	Bonneville Power Administration Supply Chain Services – NSSV-MODW P.O. Box 491 Vancouver, WA 98666-0491	April 24, 2009

A. The Request for Offer is changed as follows:

1. The following questions have been submitted followed by the answers (numbering continues from previous Revision):

Question #XXIV: Is armor rod required on the conductor/GW for this project? **Answer**: The hardware assembly drawings for the triple bunting/Deschutes do not require armor rod. The hardware assembly drawings for the 1/2" OHGW do require armor rod.

Question #XXV: Are the insulators poly or glass? **Answer:** Porcelain Insulators.

Question #XXVI: Are weights or dampers required on the job? **Answer**: Hold down weights for the conductors are required for structure 35/1. Armor rod is required for the hold down weights. Hold down weights for the overhead required are required for structure 39/5. Dampers are required on the OHGW and the requirements for Phase 1, are shown on the "Vibration Damper Installation and Location", drawing number 285451-ELC-A4V sheets 1 & 2 located under the conductor tab. For Phase 2, assume the same. Which is "Install one pair of spiral dampers AOL and BOL at each structure", on GW.

Question #XXVII: The Supplemental Technical Specification – Page 25 doesn't list structure 5/1 on the Rock Creek-John Day No. 1 line as grillage type foundations. The Tower Structure List does list structure 5/1 on the Rock Creek –John Day No. 1 line as grillage foundations. Please provide direction as to what type of footing structure 5/1 with Tower Type 28PW is designed for. **Answer**: Structure 5/1 on the Rock Creek –John Day No. 1 line, Tower Type 28PW, has grillage foundations, as shown on structure list.

Correct omission in Section 07.01.04, and modify the table in this section to include Structure 5/1* as follows:

5/1*	CB 414A	Grillage

Schedule of prices is hereby updated as follows: Item 4.11, Grillages at each leg on 3 DE towers, 12 EA.

Question #XXVIII: Do the 48T and 48T2 structures require the contractor to perform welding on the Bus Tubing? **Answer**: See attached Transposition Jumper Detail drawings needed for the Tower Types 48T & 48T2. Sections of the bus will be fabricated by BPA shops that will require some field assembly and welding due to the large bus bar assemblies.

The attached drawings are hereby incorporated under the Conductor tab:

Drawing no. 272467, 3 Sheets for 48T.
Drawing no. 271303, 4 Sheets for 48T2.

Question #XXIX: Will belt scales on the portable crusher be acceptable for tracking tonnage of rock to be placed on roads? **Answer**: No.

Question #XXX: Can the borrow material needed periodically throughout the project be from the areas where there is existing suitable material on other parts of the job? **Answer**: NO. This may lead to landowner and environmental issues.

2. The Schedule of Prices is hereby replaced with the attached revised Schedule of Prices.

3. All other terms and conditions remain unchanged.

B. If for any reason you decide not to submit an offer, it is requested that you contact Grant Furulie at (509) 358-7359 or by E-mail to **gjfurulie@bpa.gov**. Please submit technical questions to Shantini Ratnathicam, Construction Manager, at (360) 619-6584 or by E-mail to **sratnathicam@bpa.gov**.

C. Acknowledge receipt of this Revision by completing the following information and returning this form with your proposal. Failure to provide this acknowledgement may affect BPA's evaluation of your firm's offer.

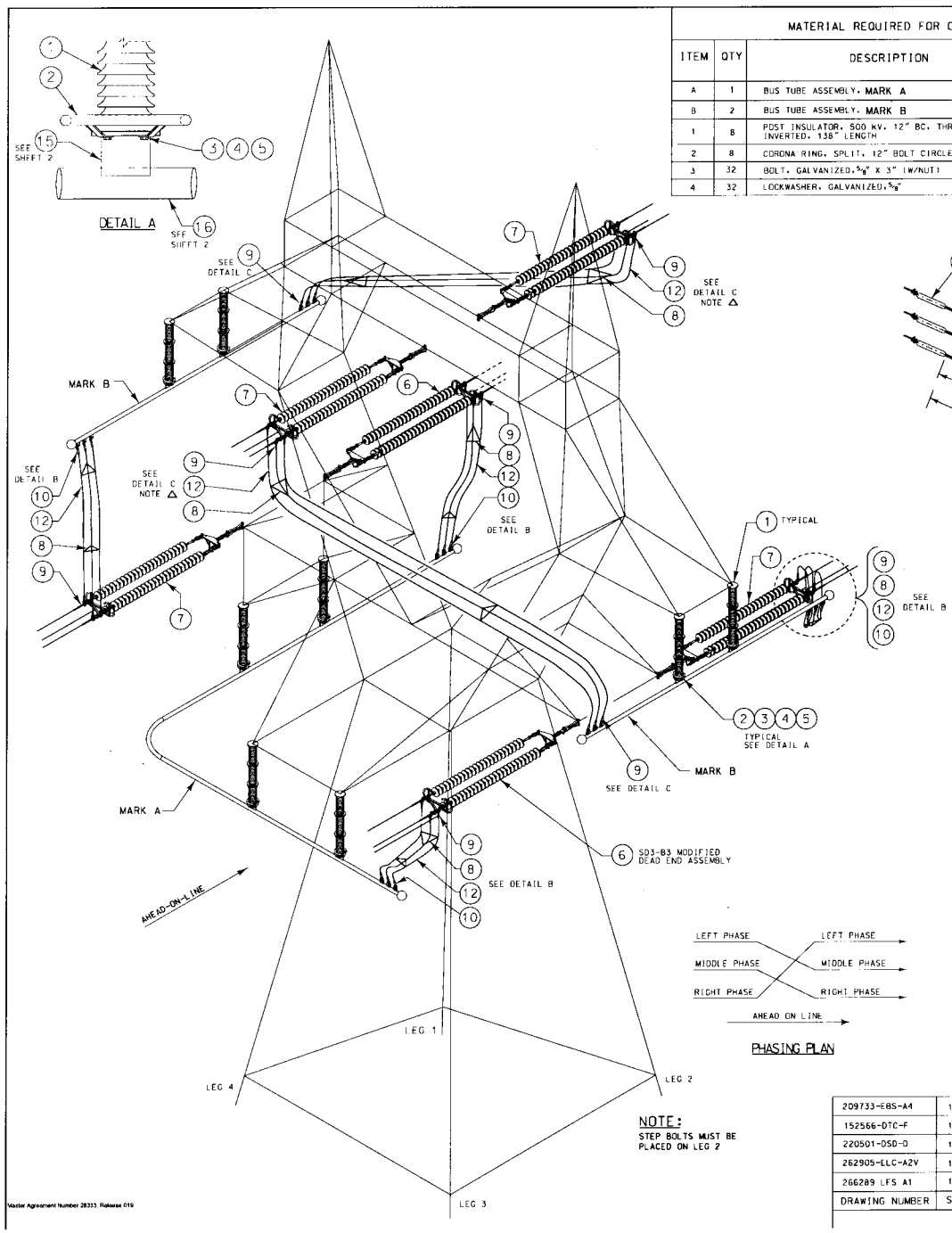
E. Company Name: Wilson Construction Company

F. Signature:

G. Name and Title (printed): Donald M. Wilson, President

H. Date signed: April 28, 2009

Attachments:
Schedule of Prices, 1 page
Drawings, 7 Sheets

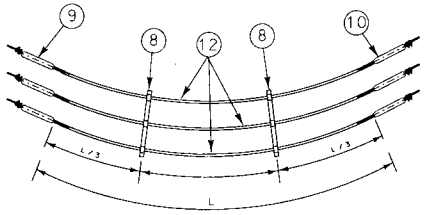


NOTE:
STEP BOLTS MUST BE PLACED ON LEG 2

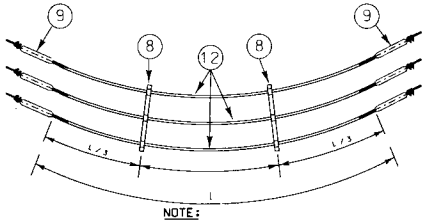
PHASING PLAN

MATERIAL REQUIRED FOR ONE STRUCTURE			
ITEM	QTY	DESCRIPTION	BPA CATALOG ID
A	1	BUS TUBE ASSEMBLY, MARK A	SEE SHEET 2
B	2	BUS TUBE ASSEMBLY, MARK B	SEE SHEET 2
1	8	POST INSULATOR, 500 kV, 12" BC, THREE UNIT INVERTED, 138" LENGTH	1003656
2	8	CORONA RING, SPLIT, 12" BOLT CIRCLE	176191
3	32	BOLT, GALVANIZED, 5/8" X 3" (W/NUT)	694178
4	32	LOCKWASHER, GALVANIZED, 5/8"	777332

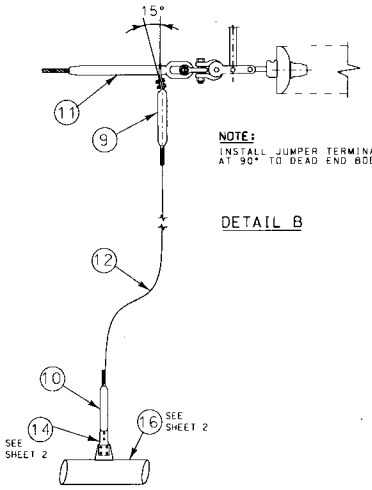
MATERIAL REQUIRED FOR ONE STRUCTURE (CONTINUED)			
ITEM	QTY	DESCRIPTION	BPA CATALOG ID
5	32	WASHER, FLAT, GALVANIZED, 5/8"	777107
6	2	MODIFIED DEAD END ASSEMBLY SD3-B3	SEE SHEET 3
7	4	DEAD END ASSEMBLY SD3-B3, REF. DWG. 262905-ELC A2V	SEE REFER. DRAWING
8	12	SPACER, TRIPLE BUNDLE	*
9	18	JUMPER TERMINAL, 15°	*
10	18	JUMPER TERMINAL, STRAIGHT	*
11	18	DEAD END ASSEMBLY, 15°	*
12	△	JUMPER CABLE, CONDUCTOR	*



NOTE:
FIELD FIT JUMPER CONNECTIONS LENGTHS.

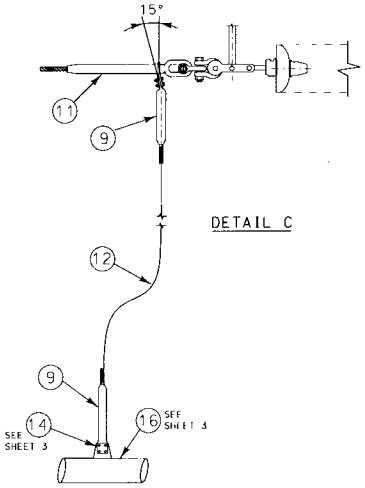


NOTE:
△ THE LENGTH OF THE JUMPER CABLES THAT CONNECT THE MIDDLE (TOP) PHASE TO THE RIGHT OR THE LEFT PHASE SHALL NOT EXCEED 48 FT.



NOTE:
INSTALL JUMPER TERMINAL AT 90° TO DEAD END BODY.

DETAIL B



DETAIL C

REFERENCE DRAWINGS		
209733-EBS-A4	1 OF 1	WELDED ALUM CORONA RING-500 kV, 12"
152566-DTC-F	1 OF 1	JUMPER SPACERS FOR TRIPLE BUNDLE CONDUCTOR
220501-DSD-D	1 OF 1	WELDED ALUMINUM BUS FITTING DETAILS
262905-ELC-A2V	1 OF 1	HARDWARE ASSEMBLY TYPE SD3-B3
266289 LFS A1	1 OF 1	TYPE 48T-STRUCTURAL DESIGN
DRAWING NUMBER	SHEET	TITLE

NO.	W.O.	COMPUTER REVISION ONLY	BY	DATE	APPROVED
2		THIS DRAWING'S SERIAL NUMBER HAS CHANGED PER CENTRAL RECORDS REQUEST DUE TO A DUPLICATION. FROM 269142-1-1-DGN TO 272467-1-2.DGN: ADDED "DETAIL C". THE "R=RECORD FILE NAME" IN TITLE BLOCK HAS BEEN CORRECTED.	MKG	11/24/04	SAB FRW
1		CHANGED THE TEXT IN "DETAIL C" TO "DETAIL B".	MKG	2/23/04	SAB FRW
	4340				

C=CONTRACT CONSTR., FA=FORCE ACCOUNT CONSTR., R=RECORD FILE NAME: 272467-1-2.DGN

Design SHEILA BENNETT
Drawn MG/ML/MW
Chkd RMT/JLH
Sub
Rec
Appr FRANK R. WEINTRAUB
Date 11/04/03

UNITED STATES DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
HEADQUARTERS, PORTLAND, OREGON

TOWER TYPE 48T TRANSPOSITION JUMPER DETAIL FOR 500 kV TRIPLE BUNDLE CONDUCTOR

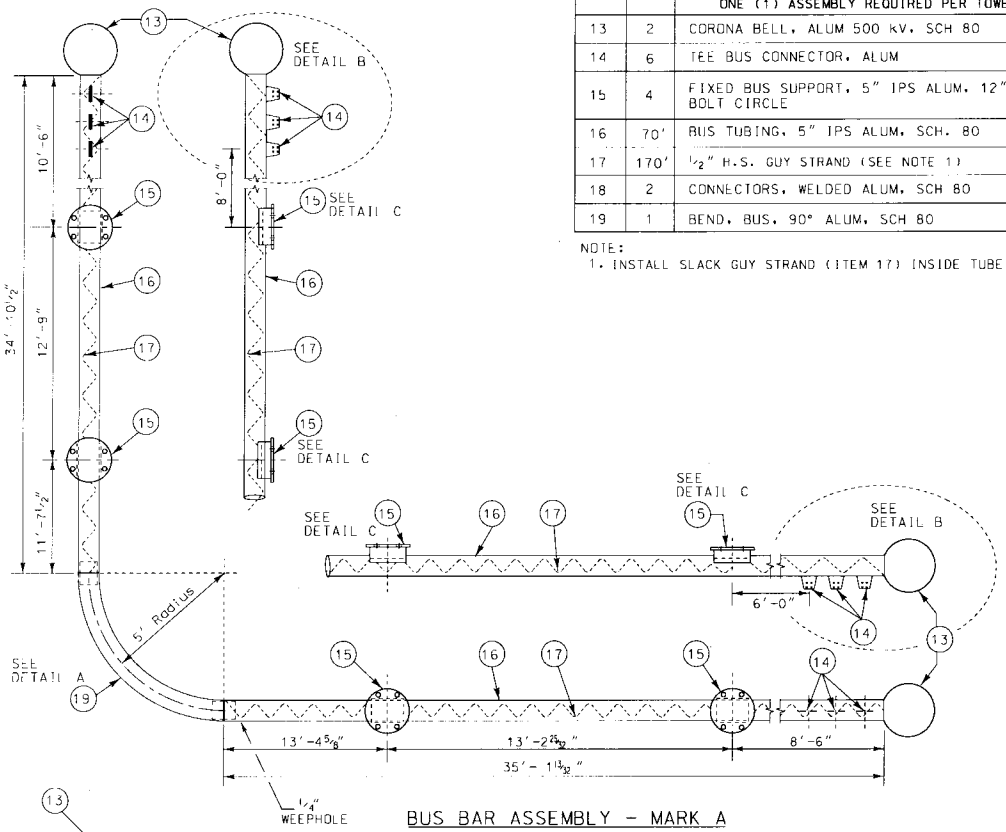
SERIAL	SOURCE	SIZE	SHEET	REVISION
272467	ELC	A1	1 OF 3	2

Master Agreement Number 28333, Release 019

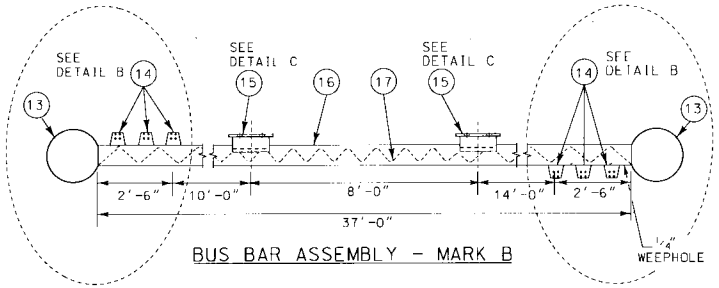
ITEM	QTY	MARK A FIELD ASSEMBLED AND WELDED MATERIAL REQUIRED FOR ONE (1) ASSEMBLY ONE (1) ASSEMBLY REQUIRED PER TOWER	BPA CATALOG ID
13	2	CORONA BELL, ALUM 500 kV, SCH 80	171201
14	6	TEE BUS CONNECTOR, ALUM	175560
15	4	FIXED BUS SUPPORT, 5" IPS ALUM, 12" BOLT CIRCLE	176461
16	70'	BUS TUBING, 5" IPS ALUM, SCH. 80	170653
17	170'	1/2" H.S. GUY STRAND (SEE NOTE 1)	564145
18	2	CONNECTORS, WELDED ALUM, SCH 80	174026
19	1	BEND, BUS, 90° ALUM, SCH 80	171708

NOTE:
1. INSTALL SLACK GUY STRAND (ITEM 17) INSIDE TUBE FOR DAMPING

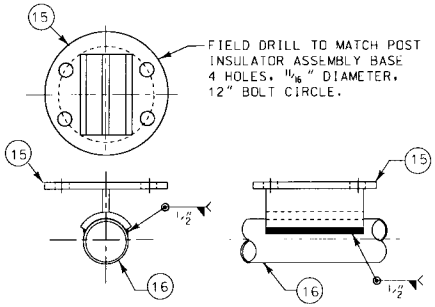
ITEM	QTY	MARK B FIELD ASSEMBLED AND WELDED MATERIAL REQUIRED FOR (1) ASSEMBLY TWO (2) ASSEMBLIES REQUIRED PER TOWER	BPA CATALOG ID
13	2	CORONA BELL, ALUM, 500 kV, SCH 80	171201
14	6	TEE BUS CONNECTOR, ALUM	175560
15	2	FIXED BUS SUPPORT, 5" IPS ALUM, 12" BOLT CIRCLE	176461
16	36'	BUS TUBING, 5" IPS ALUM, SCH 80	170653
17	75'	1/2" H.S. GUY STRAND (SEE NOTE 1)	564145



BUS BAR ASSEMBLY - MARK A

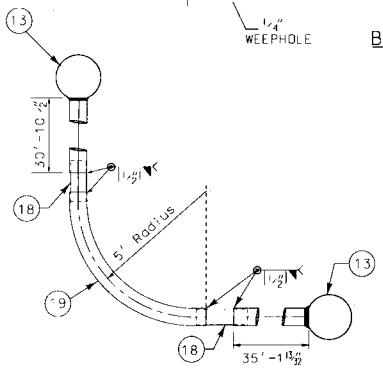


BUS BAR ASSEMBLY - MARK B



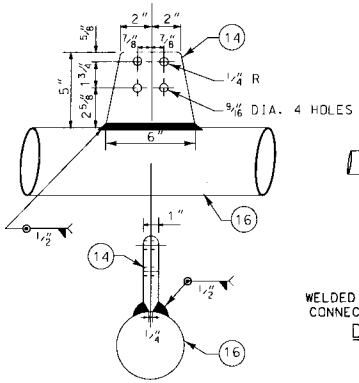
FIXED BUS SUPPORT

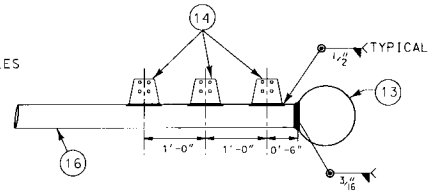
DETAIL C



ALUMINUM 90° BEND AND SLEEVE FOR BUS TUBING, 5" IPS SCH 80

DETAIL A





WELDED ALUMINUM BUS TEE CONNECTOR - FOUR HOLE

DETAIL B

NO.	W.O. 4340 COMPUTER REVISION ONLY	BY	DATE	APPROVED
2	ROTATED T-BUS CONNECTORS 90° IN DETAIL B. CHANGED DIMENSIONS ON MARK A AND MARK B. THIS SHEET NUMBER HAS CHANGED DUE TO DUPLICATION. FROM 269142-1.DGN TO 272467-2-3.DGN. ALSO THE "RECORD FILE NAME" IN TITLE BLOCK HAS BEEN CORRECTED.	MKG	11/24/04	SAB FRW
1	ADDED 1/4" WEEPHOLES TO BUS BAR ASSEMBLIES A & B.	MKG	4/13/04	SAB FRW

C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: 272467-2-2.DGN

Design: SHEILA BENNETT
Drawn: MARIAN GORDEN
Chkd: RMT/JLH
Sub:
Rec:
Appr: FRANK R. WEINTRAUB
Date: 11/04/04

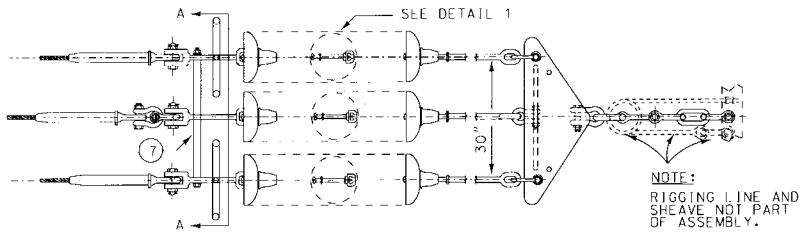
UNITED STATES DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
HEADQUARTERS, PORTLAND, OREGON

TOWER TYPE 48T
TRANSPOSITION JUMPER DETAILS
FOR 500 kV
TRIPLE BUNDLE CONDUCTOR

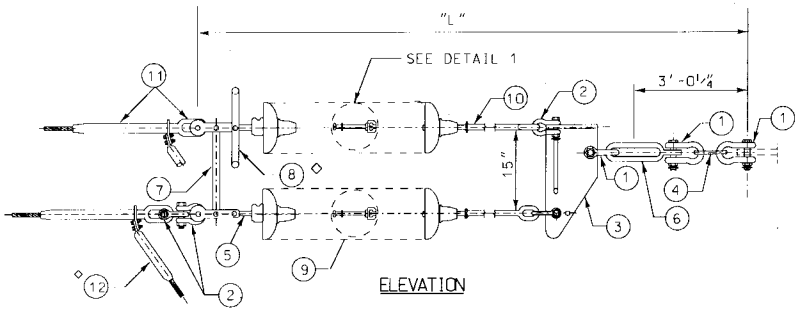
SERIAL	SOURCE	SIZE	SHEET	REVISION
272467	ELC	A1	2 OF 3	2

Master Agreement Number 28333, Release 019

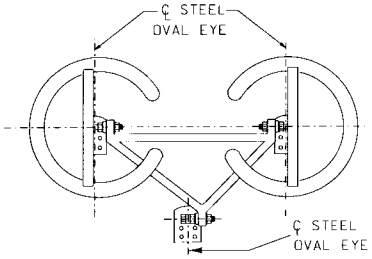
ITEM	DESCRIPTION	BPA CATALOG ID	RATED STRENGTH POUNDS	NUMBER REQUIRED PER ASSEMBLY 500 KV 24MM 198 KIP
1	SHACKLE, ANCHOR 1-5/8" X 7-1/8", 2-5/8" OPENING, 1-3/4" BOLT	606738	200,000	3
2	SHACKLE, ANCHOR 1" X 4 5/16", 1 5/8" OPENING, 1 1/8" BOLT	606730	80,000	5
3	DEAD END YOKE FOR TRIPLE BUNDLE CONDUCTOR	607318	200,000	1
4	CHAIN LINK, 2-1/4" X 12"	606220	200,000	1
5	HOT LINE SOCKET CLEVIS, 24MM	606932	66,000	3
6	SHEAVE SUPPORT LINK	606304	200,000	1
7	SPREADER ASSEMBLY	607304		1
8	GRADING RING, 17" I.D. X 8-3/4 OPENING	602366		2
9	INSULATOR, 24MM (2 GREEN BANDS)	505468	66,000	81
10	LONG REACH HOT LINE OVAL BALL EYE x 2'-0", 24MM	605280	66,000	3
11	DEAD END ASSEMBLY, 15° PAD	*		3
12	JUMPER TERMINAL, 15° PAD	* ◇		3
13	SOCKET PIN-HOT LINE LINK, 24MM	607115	66,000	3
	"L" LENGTH OF ASSEMBLY (NOMINAL)			25'-10 1/2"



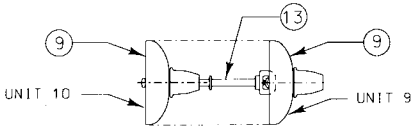
PLAN



ELEVATION



VIEW A – A



APPLIES TO SEVERE ICING AREAS ONLY.

DETAIL 1

NOTES:

* DETERMINED BY CONDUCTOR USED

◇ JUMPER TERMINAL TO BE INSTALLED WITH PAD AND BOLT HEADS ON CONDUCTOR SIDE OF ASSEMBLY.

Master Agreement Number 28333, Release 019

NO.			BY	DATE	APPROVED
2	THIS SHEET NUMBER HAS CHANGED DUE TO DUPLICATION. FROM 269142-3-1.DGN TO 272467-3-2.DGN. ALSO THE "RECORD FILE NAME" IN TITLE BLOCK HAS BEEN CORRECTED. DELETED "**" FROM ELEVATION DETAIL IN DRAWING.		MKG	11/22/04	SAB FRW
1	DELETED NOTE "* *".		MKG	4/13/04	SAB FRW
	W.O. 4340	COMPUTER REVISION ONLY			

C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: 272467-3-2.DGN

Design S. BENNETT
Drawn M. GORDEN
Chkd RMT/JLH
Sub
Rec
Appr FRANK R. WEINTRAUB
Date 11/04/003

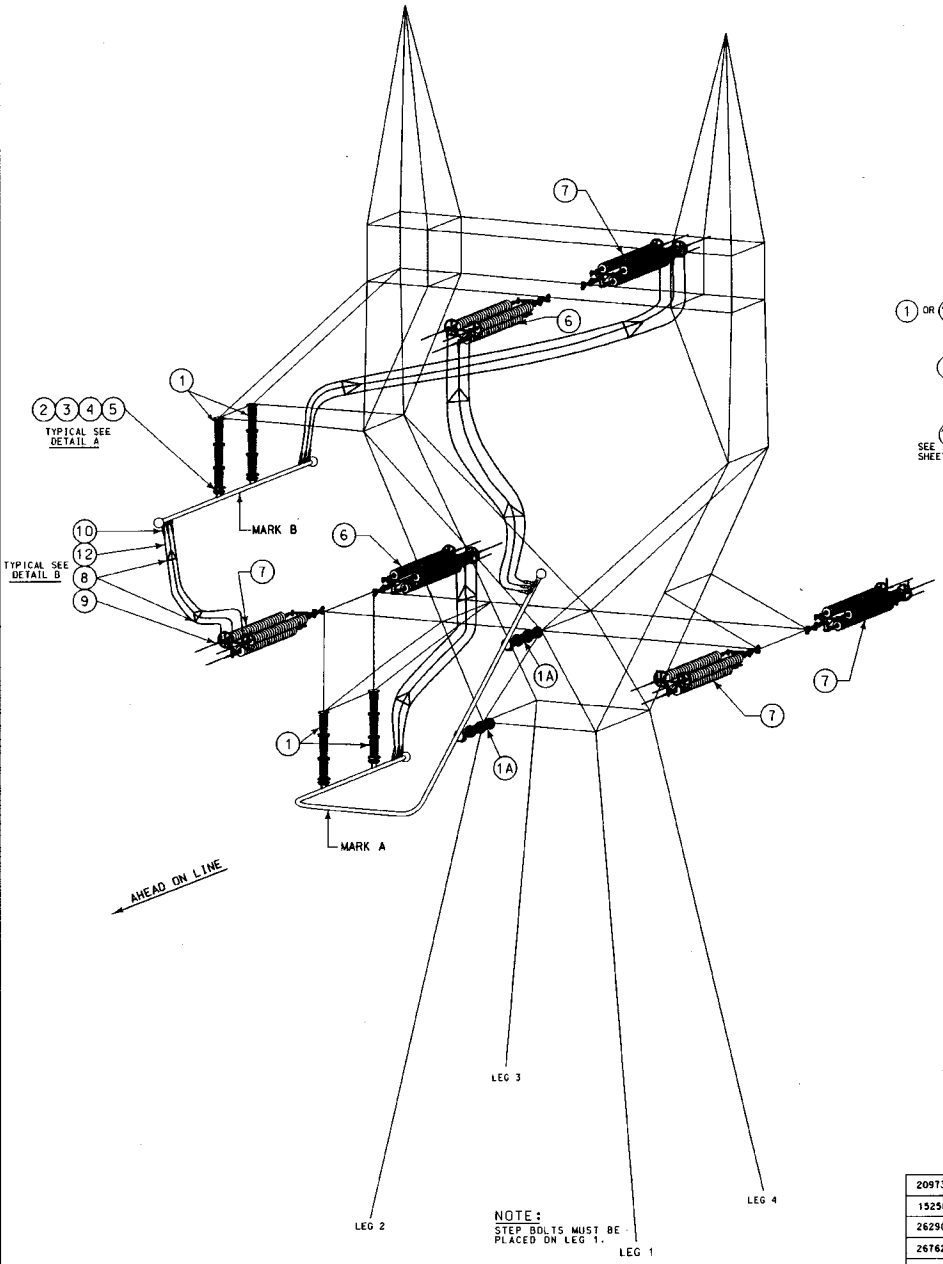
UNITED STATES DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
HEADQUARTERS, PORTLAND, OREGON

MODIFIED HARDWARE ASSEMBLY FOR TRIPLE BUNDLE CONDUCTOR

138" CLEARANCE IEC 24MM
MODIFIED TYPE SD3-B3 FOR
TOWER TYPE 48T

SERIAL	SOURCE	SIZE	SHEET	REVISION
272467	ELC	A3	3 OF 3	2

REF LEVEL ON
REF NAME
REF LEVEL ON
REF NAME
REF LEVEL ON
REF NAME

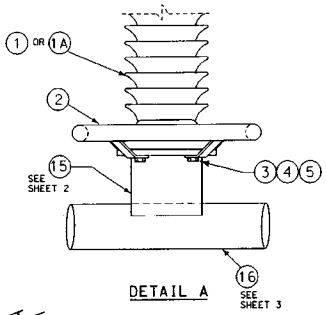


NOTE:
STEP BOLTS MUST BE PLACED ON LEG 1.

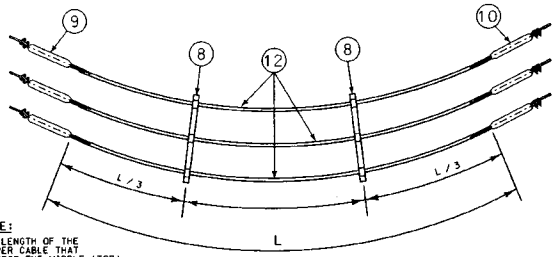
MATERIAL REQUIRED FOR ONE STRUCTURE			
ITEM	QTY	DESCRIPTION	BPA CATALOG ID
A	1	BUS TUBE ASSEMBLY. MARK A	SEE SHEET 3
B	2	BUS TUBE ASSEMBLY. MARK B	SEE SHEET 3
1	4	POST INSULATOR. 500 kV. 12" BC. THREE UNIT INVERTED. 138" LENGTH	1003656
1A	2	POST INSULATOR. 500kV. 12" BC. THREE UNIT HORIZONTAL. 156" LENGTH	1003658
2	6	CORONA RING. SPLIT. 12" BOLT CIRCLE	176191
3	24	BOLT. GALVANIZED. 5/8" X 3" (W/NUT)	694178
4	24	LOCKWASHER. GALVANIZED. 5/8"	777332

MATERIAL REQUIRED FOR ONE STRUCTURE (CONTINUED)			
ITEM	QTY	DESCRIPTION	BPA CATALOG ID
5	24	WASHER. FLAT. GALVANIZED. 5/8"	777107
6	2	MODIFIED DEAD END ASSEMBLY SD3-B3	SEE SHEET 4
7	4	DEAD END ASSEMBLY SD3-B3. REF. DWG. 262905-ELC A2V	SEE REFER. DRAWING
8	8	SPACER. TRIPLE BUNDLE	*
9	12	JUMPER TERMINAL. 15°	*
10	12	JUMPER TERMINAL. STRAIGHT	*
11	12	DEAD END ASSEMBLY. 15°	*
12	△	JUMPER CABLE. CONDUCTOR	*

NOTE: * DETERMINED BY CONDUCTOR USED

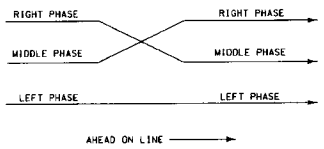


DETAIL A

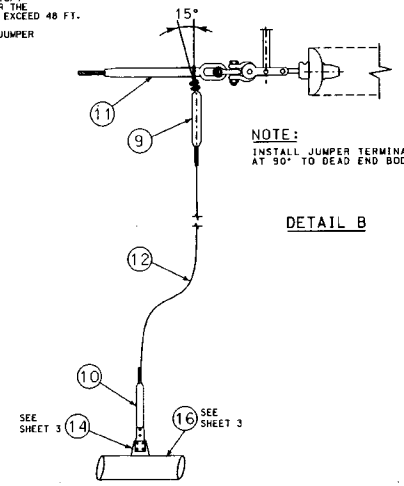


NOTE:
△ THE LENGTH OF THE JUMPER CABLE THAT CONNECT THE MIDDLE (TOP) PHASE TO THE RIGHT OR THE LEFT PHASE SHALL NOT EXCEED 48 FT.

FIELD FIT THE OTHER JUMPER CONNECTION LENGTHS.



PHASING PLAN



NOTE:
INSTALL JUMPER TERMINAL AT 90° TO DEAD END BODY.

DETAIL B

REFERENCE DRAWINGS		
209733-EBS-A4	1 OF 1	WELDED ALUM CORONA RING-500 kV. 12"
152566-OTC-F	1 OF 1	JUMPER SPACERS FOR TRIPLE BUNDLE CONDUCTOR
262905-ELC-A2V	1 OF 1	HARDWARE ASSEMBLY TYPE SD3-B3
267629 LFS A1	1 OF 1	TYPE 48T2-STRUCTURAL DESIGN
DRAWING NUMBER	SHEET	TITLE

NO.	W.O.	COMPUTER REVISION ONLY	BY	DATE	APPROVED
1		REMOVED SHT. # 220501-DSD-D. "WELDED ALUMINUM BUS FITTING DETAILS" FROM THE REFERENCE BLOCK. NOT NEEDED.	WKG	4/12/04	SRB
	106252				

C=CONTRACT CONSTR., FA=FORCE ACCOUNT CONSTR., R=RECORD FILE NAME: 271303-1-1.DGN

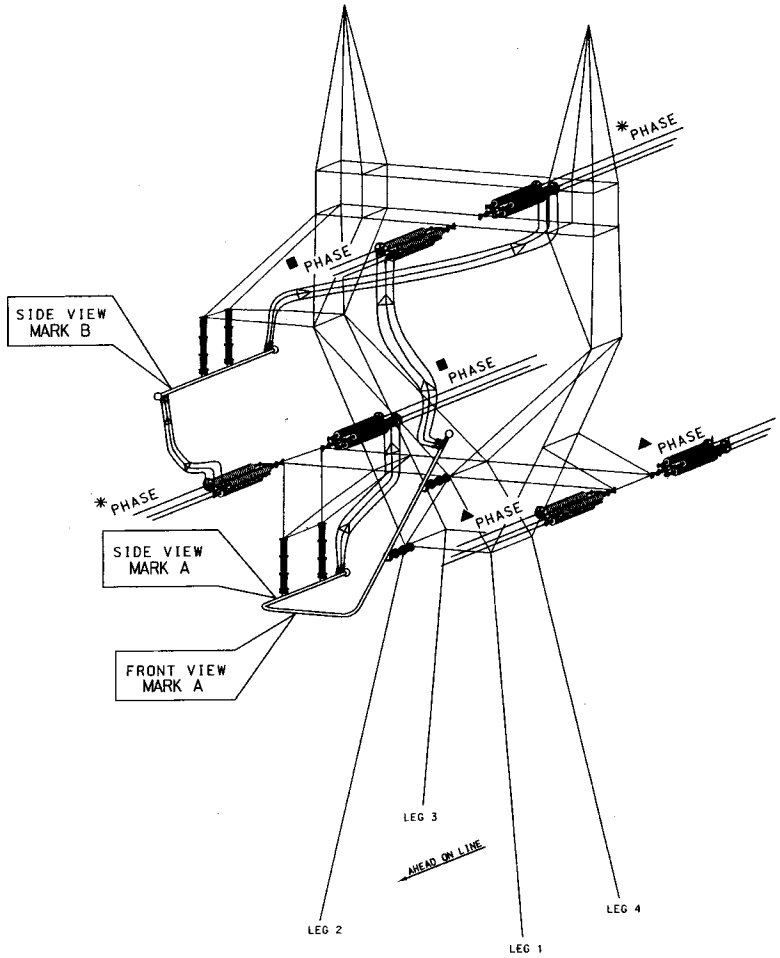
Design: SHEILA BENNETT
Drawn: MG/ML/NM
Chkd: BMT/JLH
Sub:
Rec:
Appr: FRANK R. WEINTRAUB
Date: 4/9/04

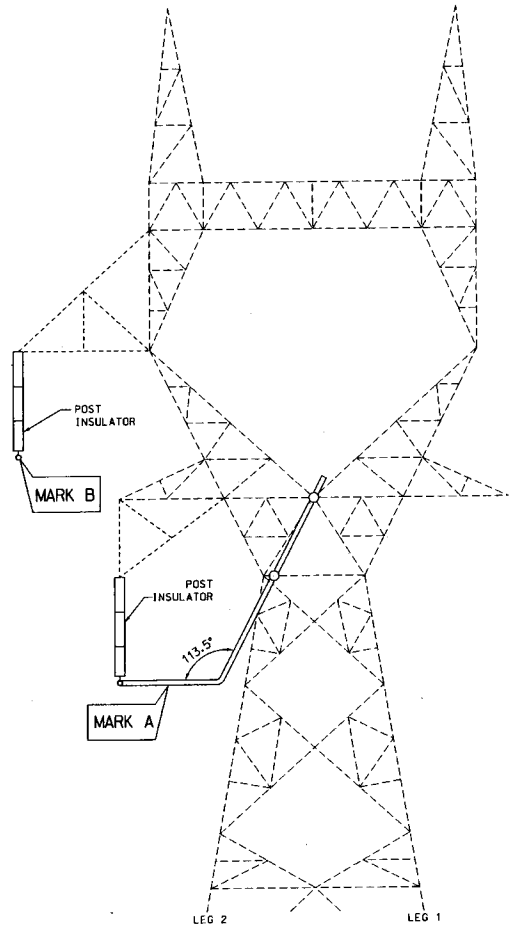
UNITED STATES DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
HEADQUARTERS, PORTLAND, OREGON

TOWER TYPE 48T2
TRANSPOSITION JUMPER DETAIL
FOR 500 kV
TRIPLE BUNDLE CONDUCTOR

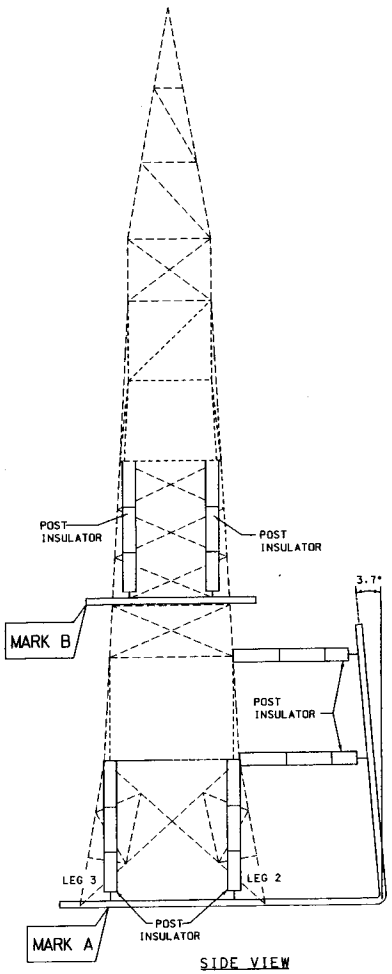
SERIAL	SOURCE	SIZE	SHEET	REVISION
271303	ELC	A1	1 OF 4	1

SCALE
LEVELS
USER
PLOTTER
*DATE*TIME*





FRONT VIEW



SIDE VIEW

NO.		W.O. 106252	COMPUTER REVISION ONLY	BY	DATE	APPROVED

C=CONTRACT CONSTR., FA=FORCE ACCOUNT CONSTR., R=RECORD — FILE NAME: 271303-2-0.DGN

UNITED STATES DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
HEADQUARTERS, PORTLAND, OREGON

Design: SHEILA BENNETT
Drawn: MARIAN GORDEN
Chkd: RWT
Sub:
Rec:
Appr: Frank A. Wilkes
Date: 4/9/04

TOWER TYPE 48T2
TRANSPOSITION JUMPER DETAIL
FOR 500kV
TRIPLE BUNDLE CONDUCTOR

SERIAL	SOURCE	SIZE	SHEET	REVISION
271303	ELC	A1	2 OF 4	0

DRAWING NUMBER	SHEET	TITLE

REFERENCE DRAWINGS

REF LEVEL ON
REF NAME
REF LEVEL ON
REF NAME
REF LEVEL ON
REF NAME

SCALE
LEVELS
USER
PLOTTER

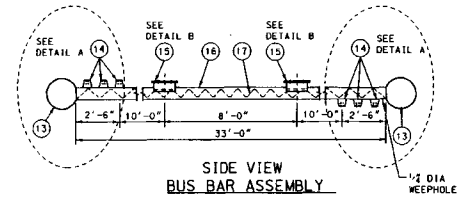
*DATE*TIME*

Master Agreement Number 28333 Release 019

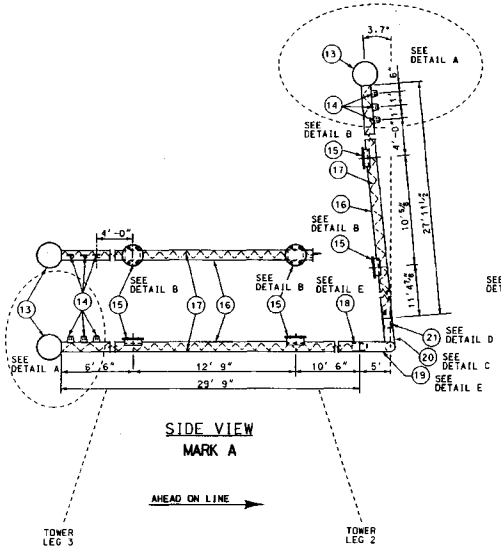
ITEM	QTY	MARK A MATERIAL REQUIRED FOR ONE (1) BUS TUBE ASSEMBLY FIELD ASSEMBLED AND FIELD WELDED	BPA CATALOG ID
13	2	CORONA BELL, ALUM 500kV, SCH 80	171201
14	6	TEE BUS CONNECTOR, ALUM	175560
15	4	FIXED BUS SUPPORT, 5" IPS ALUM, 12" BOLT CIRCLE	176461
16	75'	BUS TUBING, 5" IPS ALUM, SCH 80	170653
17	170'	GUY STRAND, 1/2" HS 7 STRAND WIRE GALVANIZED, (SEE NOTE 1)	564145
18	3	CONNECTORS, WELDED ALUM, SCH 80	174026
19	1	BEND BUS, 90° ALUM, SCH 80	171708
20	1	BEND BUS, 30" RADIUS, ALUM, SCH 80	SEE DETAIL C
21	1	CONNECTOR, ONE END PLUG SLEEVE, WELDED ALUM, SCH 80	SEE DETAIL D

ITEM	QTY	MARK B MATERIAL REQUIRED FOR ONE (1) BUS TUBE ASSEMBLY FIELD ASSEMBLED AND FIELD WELDED	BPA CATALOG ID
13	2	CORONA BELL, ALUM 500kV, SCH 80	171201
14	6	TEE BUS CONNECTOR, ALUM	175560
15	2	FIXED BUS SUPPORT, 5" IPS ALUM, 12" BOLT CIRCLE	176461
16	36'	BUS TUBING, 5" IPS ALUM, SCH 80	170653
17	75'	GUY STRAND, 1/2 HS 7 STRAND WIRE GALVANIZED, (SEE NOTE 1)	564145

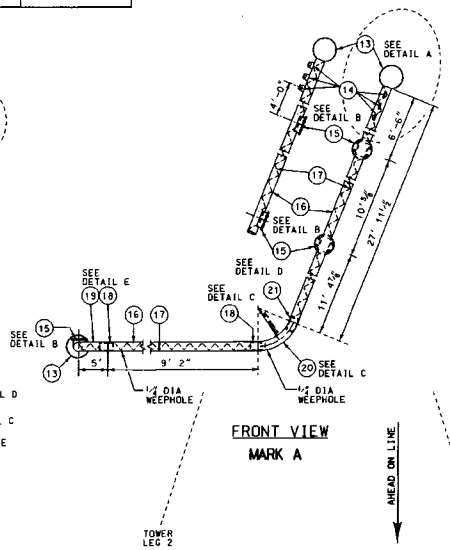
NOTE 1: INSTALL SLACK GUY STRAND (ITEM 17) INSIDE TUBE FOR DAMPING.



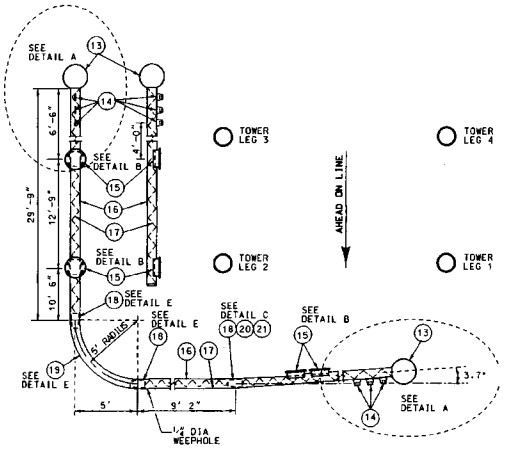
SIDE VIEW
BUS BAR ASSEMBLY
MARK B



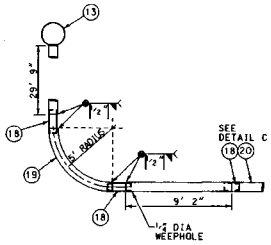
SIDE VIEW
MARK A



FRONT VIEW
MARK A

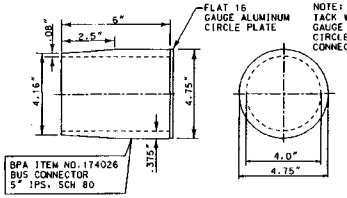


PLAN VIEW
MARK A



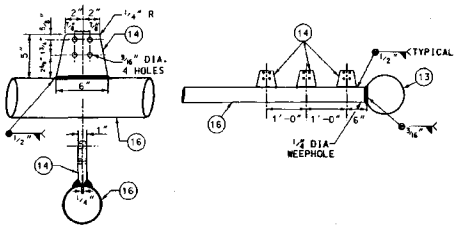
ALUMINUM 90° BEND AND SLEEVE
FOR BUS TUBING, 5" IPS SCH 80

DETAIL E



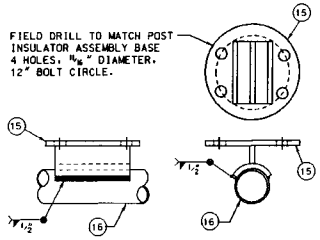
PLUG SLEEVE,
ONE END FACING UP,
SCH 80

DETAIL D



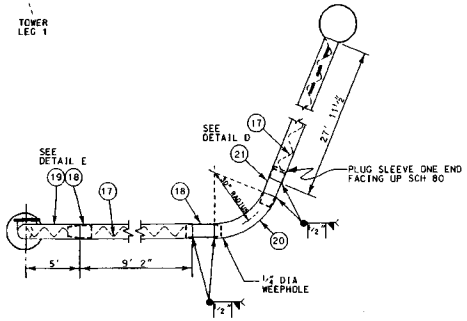
WELDED ALUMINUM BUS TEE
CONNECTOR - FOUR HOLE

DETAIL A



FIXED BUS SUPPORT

DETAIL B



ALUMINUM 113.5° BEND AND SLEEVES
FOR BUS TUBING

DETAIL C

DRAWING NUMBER	SHEET	TITLE
REFERENCE DRAWINGS		

NO.	W.O.	COMPUTER REVISION ONLY	BY	DATE	APPROVED
	106252				

C=CONTRACT CONSTR., F=FORCE ACCOUNT CONSTR., R=RECORD FILE NAME: 271303-3-0.DGN

Design SHEILA BENNETT SAB
Drawn MARIAN GORDEN
Chkd RMT
Sub
Rec
Appr
Date 4/9/04

UNITED STATES DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
HEADQUARTERS, PORTLAND, OREGON

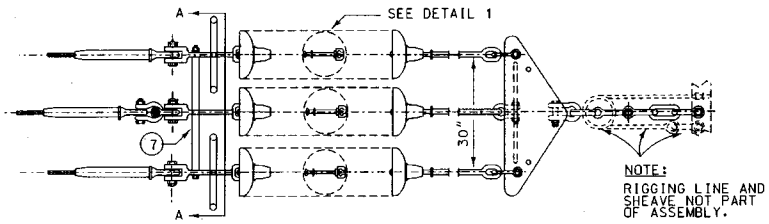
TOWER TYPE 48T2
TRANSPOSITION JUMPER DETAIL
FOR 500kV
TRIPLE BUNDLE CONDUCTOR

SERIAL	SOURCE	SIZE	SHEET	REVISION
271303	ELC	A1	3 OF 4	0

*DATE*TIME*

REF LEVEL ON
REF NAME
REF LEVEL ON
REF NAME
REF LEVEL ON
REF NAME

SCALE
USER
USER
PLOTTER

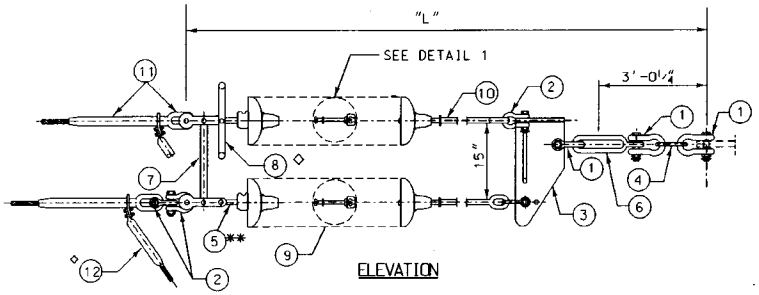


PLAN

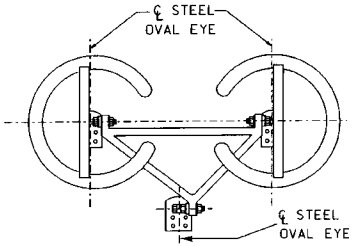
ITEM	DESCRIPTION	BPA CATALOG ID	RATED STRENGTH POUNDS	NUMBER REQUIRED PER ASSEMBLY 500 KV 24MM 198 KIP
1	SHACKLE, ANCHOR 1-5/8" X 7-1/8", 2-5/8" OPENING, 1-3/4" BOLT	606738	200,000	3
2	SHACKLE, ANCHOR 1" X 4 5/16", 1 5/8" OPENING, 1 1/8" BOLT	606730	80,000	5
3	DEAD END YOKE FOR TRIPLE BUNDLE CONDUCTOR	607318	200,000	1
4	CHAIN LINK, 2-1/4" X 12 "	606220	200,000	1
5	HOT LINE SOCKET CLEVIS, 24MM	606932	66,000	3
6	SHEAVE SUPPORT LINK	606304	200,000	1
7	SPREADER ASSEMBLY	607304		1
8	GRADING RING, 17" I.D. X 8-3/4 OPENING	602366		2
9	INSULATOR, 24MM (2 GREEN BANDS)	505468	66,000	81
10	LONG REACH HOT LINE OVAL BALL EYE x 2'-0", 24MM	605280	66,000	3
11	DEAD END ASSEMBLY, 15° PAD	*		3
12	JUMPER TERMINAL, 15° PAD	* ◇		3
13	SOCKET PIN-HOT LINE LINK, 24MM	607115	66,000	3
	"L" LENGTH OF ASSEMBLY (NOMINAL)			25'-10 1/2"

NOTES:

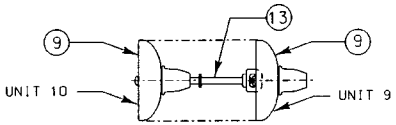
* DETERMINED BY CONDUCTOR USED
** INSTALL WITH SOCKET OPENING IN THE "UP" POSITION.
◇ JUMPER TERMINAL TO BE INSTALLED WITH PAD AND BOLT HEADS ON CONDUCTOR SIDE OF ASSEMBLY.



ELEVATION



VIEW A – A



APPLIES TO SEVERE ICING AREAS ONLY.

DETAIL 1

NO.	W.O. 4340	COMPUTER REVISION ONLY	BY	DATE	APPROVED

C=CONTRACT CONSTR., FA=FORCE ACCOUNT CONSTR., R=RECORD FILE NAME: 271303-4-0.DGN

Design S. BENNETT SAB
Drawn M. CORDEN
Chkd RMT
Sub
Rec
Appr
Date 4/9/04

UNITED STATES DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
HEADQUARTERS, PORTLAND, OREGON

MODIFIED HARDWARE ASSEMBLY FOR TRIPLE BUNDLE CONDUCTOR
138" CLEARANCE IEC 24MM
MODIFIED TYPE SD3-B3 FOR TOWER TYPE 48T2

SERIAL	SOURCE	SIZE	SHEET	REVISION
271303	ELC	A3	4 OF 4	0

BPA 1297K JUN 1978

WILSON CONSTRUCTION COMPANY

April 29, 2009

Bonneville Power Administration
Attn: Grant Furulie, NSSV-Bell-1
2410 East Hawthorne Road
Mead, WA 99021
VIA EMAIL: gifurulie@bpa.gov

Re: McNary John-Day Transmission Line Construction

Dear Grant Furulie:

Wilson Construction Company is pleased to submit the following information in response to the referenced RFP. We acknowledge the receipt of Revisions 1 - 4.

Mace Peveler is available to answer any technical questions you may have regarding our proposal or you may also contact me should you require any additional information. Below is an outline of our response:

1. Pricing: See Attached

   Please Note:

   a. Our price includes $227,000.00 for performance and payment bond costs. Should the requirement for the performance and payment bonds be eliminated our total price can be reduced by that amount.

   b. Also, pricing is based on the geological exploration information as provided by Bonneville Power.

2. Work Plan: See Attached
3. Construction Schedule: See Attached
4. Working Schedule: Included in Work Plan (Six 10-hour days M-S from 7am-5:30pm)
5. Safety Plan: See Attached
6. Key Personnel:
   Project Manager – Mace Peveler & David Streetman
   General Superintendent – Gerald Turner
   Safety Representative – Sid Millman
   Site Superintendent – Dan Fitzgerald
   Wire Foreman – Scott Snow
   Land Liaison – Bob Slocum – Primary / Roger Thronson - Alternate
   Material Representative – Dave Puntenney
   Erosion Sediment Control Lead – Sierra Conder In-House, Bob Slocum On-Site
   Environmental Representative – Bob Slocum – Primary / Roger Thronson - Alternate
7. Subcontracting Plan: Wilson Construction Company will be subcontracting approximately $10 million to small businesses to include access road work, foundations, air crane, fiber testing and splicing, etc.
8. Cost Savings: Wilson always strives to provide the best offer to our clients. Beyond that philosophy, we have no cost savings ideas at this time but will keep the lines of communication open at all times to discuss any that may arise as the project moves forward.

Wilson Construction Company appreciates the opportunity to be of service to the Bonneville Power Administration. We look forward to working with you on this and many future projects.

Sincerely,

Carmen Reed
Senior Bid Administrator

P.O. Box 1190
1190 N.W. Third
Canby, OR 97013

503-263-6882
FAX: 503-263-6946

"Building from our past, powering the present, with our vision on the future"

Equal Opportunity Employer

WILSON
CONSTRUCTION CO

Construction Work Plan

McNary—John Day No. 1 500-kV Transmission Line Project

Wilson Construction Company (Wilson) greatly appreciates the opportunity to develop and submit a proposal for the McNary – John Day No. 1 500kV Transmission Line Project for Bonneville Power Administration (BPA). The following plan incorporates all of the work defined in the RFP documents, site visits, and the pre-bid meeting. Safety and Quality Control are of the utmost importance to the Wilson Management Team. It is Wilson's intent to build this project in a continuous and efficient manner. The following work plan encompasses a broad range of integrated tasks outlining basic safety practices in line with OSHA industry standards.

1.0 Resource Management / Work Schedule

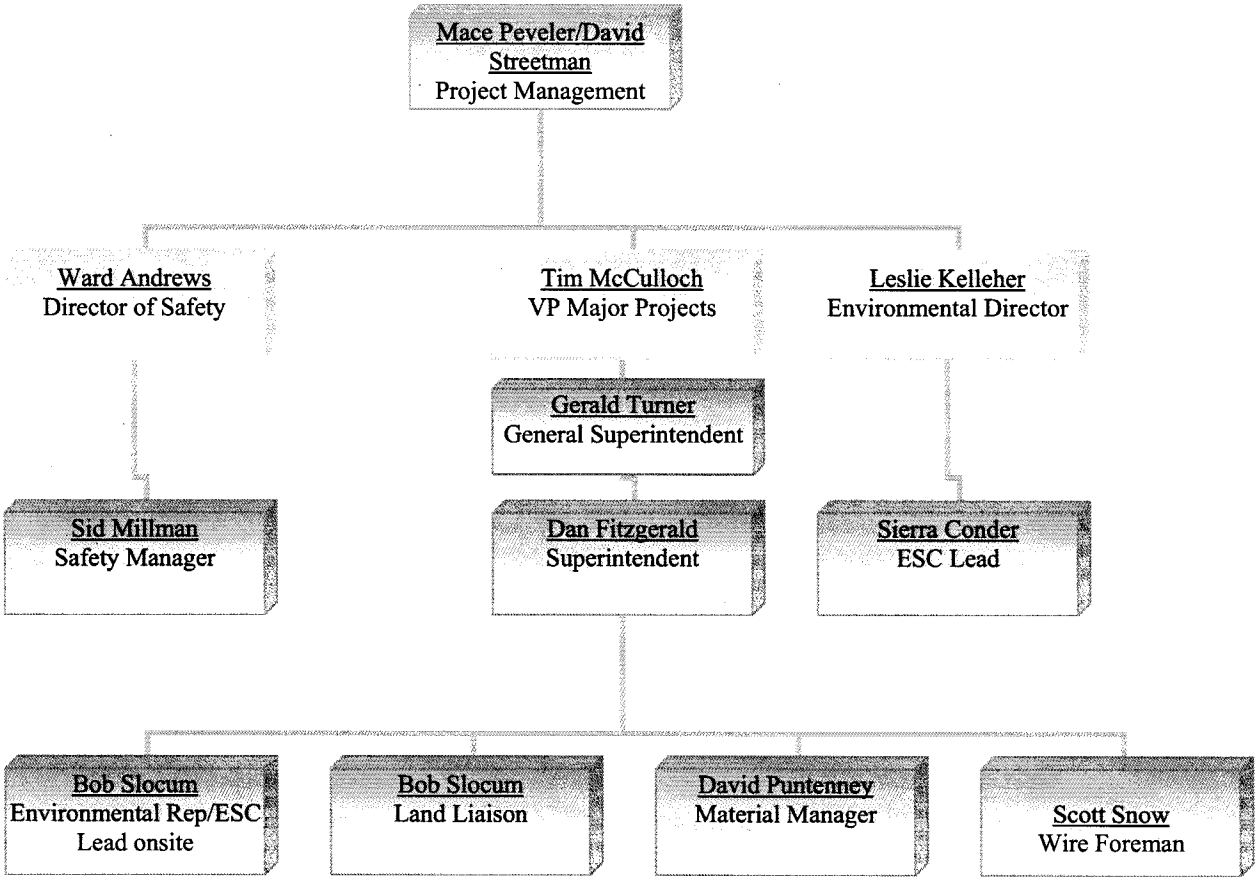
Based on the many years of experience brought to the project by Wilson's Project Management Team, competent and qualified leaders are set to take on supervisory positions. These leaders will ensure a safe working environment, quality workmanship, and a timely completion of the project. Two qualified journeyman linemen will be tested and certified as representatives for Wilson responsible for hold orders on both BPA and foreign utilities. Clearance holders will communicate with dispatchers and BPA for all clearance holds. Special attention will be given to this project through a broad spectrum of our management team. Attention on this project will range from onsite supervisor's positions to supporting roles from the corporate office. Please reference the key project management list provided in the proposal.

Our workforce of trained craftsmen will be working six (6) 10-hour days, starting at 7am and working until 5:30pm, Monday through Saturday. In order to provide the best service possible to Bonneville Power Administration, careful consideration has been taken to provide adequate manpower in all operations of the construction process. Please find listed below the proposed crew design.

2.0 Project Overview

Task	Crew Size
Supervision & Support	7
Environmental	1-3
Removal of Existing Structures & Conductors	6-8
Load & Haul / Receive Material	1-5
Access Roads / Site Clearing / Maintenance	5-8
Auger / Excavation / Blast Holes	4-8
Grate & Plate Foundations	8-10

Concrete Pier Foundations	8-10
Structure Assembly / Setting	6-8
Install Conductor / OHGW / OPGW	15-20
Reclamation and Final Cleanup	2
Re-vegetation	1-2



3.0 Construction Schedule

In the attached proposed construction schedule, the Wilson team has identified a plan to successfully execute the McNary – John Day No. 1 500-kV Transmission Line Project with the desired completion date, November 1st, 2011 as specified in the RFP. The rebuilt Rock Creek – John Day portion of this will be completed in accordance with the outage available in the fall 2010. The defined activities allow for a meaningful plan of execution, along with periodic milestones for tracking progress.

The final baseline schedule will be updated on a weekly basis; the project schedule will be submitted to BPA with each monthly invoice. The weekly updates will allow the Wilson Project Management team to closely monitor progress. If negative float or concerning low float is identified, we will develop and execute a recovery plan to bring the appropriate float back into the schedule. Wilson Construction will own and control all project float.

4.0 Sequencing Plan / Work Approach

4.1 Supervision and Support

Mobilization will commence immediately after the notice to proceed. Prior to the arrival of Wilson Construction crews, Wilson will have in place the project management team required to ensure proper allocation of resources. Project supervision will start the project by attending training, reviewing permits, land owner contacts, and producing submittals. The first wave of mobilization will begin with access road crews. All temporary structures and services will be set up during this time.

4.2 Receive and Inventory Materials

Wilson will provide all labor and equipment necessary for loading materials to be delivered to the construction site out of the marshalling yards. A designated material supervisor will oversee all material operations. Immediately after taking possession of owner furnished materials, Wilson will perform a joint inventory with the BPA representative. Material receipts will be provided to the owner with the signature of a Wilson and BPA representative. All materials will be inspected for damage and compared against shipping manifests for discrepancies. Any issues or concerns that may arise during the material receiving and handling phase will be brought to the immediate attention of BPA. Additional joint inventories and inspections will take place as materials arrive. Material will be received, stored, and transported in a manner to avoid any damage or loss. All unused material will be returned to BPA in the same condition as it was issued.

Wilson will use the material yard provided by BPA to store new and removed material. The yard will be used as a drop-off location for takedown materials. Wilson will use the material yard as a show-up, and will dispose of all non-returnable materials or materials that are not the property of BPA. All returned materials will be in compliance with the technical specifications.

4.3 Landowner Concerns/Coordination

Wilson is aware that there will be many landowner concerns as construction begins on the McNary-John Day project. The project ROW crosses agricultural areas with irrigation circles, orchards, vineyards and pastures with cattle grazing, which has landowners concerned about the construction schedule and coordination with their own harvest and grazing activities. We feel that landowner coordination is of the utmost importance because good coordination and respectful communication helps a project run smoothly. Wilson would welcome the opportunity to meet with landowners to discuss and integrate their operational needs into the construction schedule.

4.4 Access Roads

Wilson will subcontract road work to Thompson Brothers, an approved BPA road contractor, who will be responsible for building the new access roads, building pads at structure sites, and improving existing access roads. Access road and temporary landing work will begin immediately. If modification is needed to existing roads that are not listed in the Access Road Summary, it will be coordinated with the approval of the COTR. All Storm Water Prevention Pollution Plan (SWPPP) requirements and sensitive area mitigation as listed in the Mitigation

Implementation Table (MIT) will be followed during construction and maintenance of access roads.

Roads will be left in at least as good as condition as found once construction is complete at each location. If convenience roads are needed, Wilson will seek out approval directly from private property owners and the BPA representative. Gates will be left as they were found. All road construction operations will be in compliance with the technical specifications.

4.5 Foundation Excavation and Installation

Wilson's subcontractor, TBH Associates, will perform foundation excavation and installation of footings. Construction will follow the phased approach beginning with Phase I, miles 3 through 42 starting on the eastern end by McNary Substation and working westward. In the second season, we will start on the eastern end at mile 42 and move westward towards John Day Substation.

We will begin with clearing, grubbing, and staking, at each tower location before any excavation operations start. Tower sites will be reviewed to determine erosion and sediment control needs once work areas have been cleared. Any cut and fill slopes associated with work areas will be stabilized and BMPs installed. Immediately following establishment of the road systems, Ryno Works, Inc., a BPA-approved blasting contractor, will evaluate each tower site in conjunction with the foundation crew to determine soil conditions and whether blasting would be required. In some cases, this may require test drilling.

If blasting is required, a complete plan to include debris confinement and traffic control, if necessary, shall be implemented for each site. A qualified blaster will handle, store, and transport all explosives in compliance with all State and Federal Laws. All registrations, permits, and approvals will be in place before any blasting operations begin. Blasting mats, if required, will be used to protect property and personnel from debris.

TBH will provide a crew for each footing type. This will allow TBH to optimize production and improve efficiency. Foundation crews will start installing the plate and grillage footings. Grillage and plate foundations shall be excavated using a hydraulic excavator. All holes will be excavated to a depth and width that provide adequate space for proper footing setting and backfill. Traffic and debris management plans will remain in effect to protect property and traffic on Highway 14 when we enter this area.

The plate or grillage footings will be placed on a level compacted sub-grade consisting of crushed rock or gravel. After the completion of partial backfill and in the presence of the COTR, Wilson will check dimensions for compliance with the setting tolerances. Once the foundations are assembled and set the crew will backfill, with fine material, to an elevation of one foot above the grillage. The crews will tamp with six inch lifts for compaction around the footings and at least one compacted foot of select backfill on top of the fine material. A coarse material will be used for the remaining backfill using a backhoe mounted hydraulic compactor. A sieve analysis of the material will be provided to BPA during the submittal phase. The remaining backfill will be with material that meets the requirements defined in the specifications. As part of the final clean up, a final backfill for footings will be one foot above the original ground line.

TBH will also be responsible for installing grouted rock foundations where necessary. A CAT 330 with mounted TEI rock drill will be utilized to perform the work. All drilling and grouting will be performed according the requirements in the technical specification.

Concrete pier foundations will be excavated using one of several different types of drills appropriate for the site: a Lo-Dril, Soilmec drill, IMT drill or Casagrande Vertical Drill. Temporary casings will be used when required to prevent caving. The drilled shafts will be excavated to design depths with helical augers. The anchor bolt cages will be assembled and hauled to the structure sites when needed. The reveal forms will be of sheet metal held in shape by steel rings and will allow for a one (1) foot reveal. The anchor bolt cage and form will be attached to steel beams supported on the ground. Forms and anchor bolts will be secured in their proper positions prior to any concrete placement. 4,000 PSI concrete will be placed using a dry mix and reverse chute or elephant trunk method under dry conditions. Under "wet-hole" conditions Wilson will use a tremie mix concrete and place it using a pump truck. Concrete will be vibrated and finished as specified. All exposed surfaces will be grouted after completion of set-up.

Spoils will be spread evenly at each site. Excess excavated material will be stockpiled and used for reclamation. Backfilling operations will be in direct compliance with construction drawings and specifications. In excavations that have high levels of water, shoring will be used to stabilize sidewalls. If dewatering is required, excess water will be pumped and dispersed to upland vegetation. Shoring measures will not be used without the approval of the COTR. Crushed rock or concrete shall be used for over-break below grade lines. Excavation operations will be performed in a method to provide a safe work environment and preserve the integrity of the surrounding conditions.

4.6 Steel Lattice Tower Structures

In Phase I, assembly of structures will take place at each structure site as we intend to set structures with a ground based crane. The first ten (10) miles of towers will be completed (not strung) by the end of 2009. In Phase II, we will establish assembly/fly yards every five (5) miles to support the efficient use of helicopter setting of the structures.

Wilson will have an assembly and erection crew which will start working behind the foundation crew. They will begin assembling steel and erecting leg extensions in succession to the foundation installation. Lattice steel towers will be assembled in accordance with the manufacturer's drawings. Crews will use torque-controlled wrenches that have a built in automatic torque cut-off feature. Torque-controlled wrenches will be calibrated daily. Blocking will be used to keep members off of the ground. The assembly / erection crew will use a crane to set structure legs in both phases.

In Phase II, the erection crews will use ground based cranes to install leg sections. A heavy lift helicopter will be employed to set the remaining body sections in the areas impractical for a ground based crane set.

4.7 Conductor and OHGW Installation

This construction is carefully defined by the safety planning and close coordination between wire stringing crews and our internal light helicopter crew. Guard structures will be installed over roads, highways, railroads, electrical supply lines, and communication lines. The sock lines shall be pulled in place using a Wilson owned MD500E light helicopter. Once the sock lines are in the travelers, they will be attached to the grounded hard line that will be pulled back to the conductor. The grounded hard line will be attached to the conductor, and a puller will be used to pull in the bundled conductor. A stringing tensioner will be used to control unreeling speed. No more than two (2) full reels of conductor will be strung in tandem. Stringing tension

will not exceed the chart for 120 degrees Fahrenheit. Conductor and OHGW will be handled and installed to prevent damage or excess waste.

The conductor will be grounded and secured, then sagged according to the contract specifications. Conductors will be pre-stressed before bringing them to installed sag. Wilson will maintain a sagging log identifying the spans checked, sag, temperature, computed sag, wind velocity, and any other specific information relevant to the stringing operations. Sag sections will be limited to no more than 22 spans or 23 travelers. After the wire is sagged, the conductor will be dead-ended and then clipped-in. Once secured, crews in spacer carts supported by the MD500E will install dampeners and spacers.

4.8 Fiber Optic Installation / Splicing / Testing

Fiber Optic OPGW installation will be performed by Wilson crews. Again, the MD500E will string the sock line used to pull in the OPGW. The grounded OPGW will be installed under tension using an anti rotational device. The testing and splicing crews will follow the stringing crew. As soon as a section is sagged, dead ended and clipped in, it will be turned over to the fiber optic splicing crew for segment preparation and splicing. All splicing and testing of fiber optic cables will be subcontracted to a BPA approved splicer. When splicing is completed the line will be tested bi-directionally, with the traces electronically recorded. The splicing crew will also perform a power meter check that will show the amount of loss in the line as well as double check for transposed fibers. Test results will then be submitted to BPA.

4.9 Rock Creek No. 1 Rebuild

A section of the Rock Creek-John Day No. 1 Transmission Line, a lattice steel, single-circuit line, will be relocated to allow room in the corridor for the new McNary –John Day line. The new section of line, tower 4/3 to 6/3 will be constructed during an outage available in the fall of 2010 and the existing towers will be removed. Prior to removal operations, conductor inspection and load certifications will be performed and COTR approval obtained. Removal operations will begin by crews unclipping conductor and placing in travelers. Conductor removal will be performed in a manner to avoid damage to existing facilities and address all safety hazards. The existing conductor will be dropped under controlled tension back to tower 4/2 with the proper protection of all crossings in place.

Towers will be removed by unbolting tower sections and lowering sections using a crane. Existing stub angles will be cut-off two (2) feet below grade except for 6/1 which will have all footings removed and disposed off. Excavated material will be used to backfill the footing holes. After tower removal, crews will disassemble / bundle old towers and perform cleanup. All salvage steel, conductor, leg extensions, and insulators will become the responsibility of Wilson Construction Company.

Footings for new lattice steel towers 4/3 to 6/2 will be installed, and legs and bodies assembled and erected. Installation of footings and legs for new tower 4/3 may need to be completed if clearance issues arise. The existing conductor from tower 4/2 to new 4/3 will be cut to length and deadended at the new tower. New conductor will be strung, sagged, deadended and clipped in from towers 4/3 to 6/2.

4.10 Cleanup and Reclamation

Throughout the project duration, show-ups, material yards, and work-sites shall be kept neat and orderly. As the final operations in an area are finished, crews will ensure each site is cleaned up or they will document necessary requirements for additional clean-up. Reclamation procedures will be in complete compliance with the specifications. It is always Wilson's standard practice to leave site conditions equal to or better than found. All final cleanup and reclamation will be done prior to final inspection.

5.0 Environmental

Our environmental planning starts as early as the bidding process and environmental issues are taken into consideration in how we will perform our work. At all times, members of the Wilson team and our subcontractors consider the effect of operations on the environment. We understand the concept of avoidance and minimization when it comes to reducing impacts to the environment and we achieve this by making sure the workforce is aware of the issues on every job we perform. We also emphasize to the crews the importance of minimizing disturbance and make it a part of our work policy.

Before construction begins, all workers (Wilson and subcontractors) will receive environmental training so they are fully aware of the sensitivities of the project. Training will include information on environmental precautions, native steppe-shrub habitat, agricultural areas, cultural resources and dust mitigation, spill prevention protocols, spill response procedures, and regulatory compliance requirements as they apply.

A National Pollution Discharge Elimination System (NPDES) permit will be obtained by the BPA. Wilson Construction will be responsible for implementing the Storm Water Pollution Prevention Plan (SWPPP). Specific measures will take place to ensure that all workers and subcontractors follow permit and SWPPP guidelines

McNary-John Day is divided into two phases lasting more than 2 years in duration. Phase I encompasses miles 3 through 42 and Phase II spans miles 43 through 79. At the beginning of the project, the immediate work areas where construction is to begin will be reviewed to determine the need for any temporary erosion and sediment controls. Any necessary controls will be in place before earth disturbing activities begin especially, where new access and reconstructed access roads are within 200 feet of drainages.

Disturbance to vegetation will be minimized at structure and pulling/tensioning sites. Except for foundation locations, vegetation will be crushed rather than removed to preserve the root system. To prevent the spread of noxious weeds, all equipment will be washed thoroughly before being brought into the project area. Dust will be held to a minimum by utilizing water trucks on the right-of-way access roads, with extra care taken around known and unknown cultural resource areas.

A cultural monitor is required on the project for all ground disturbing activities. Wilson Construction will work closely with the COTR and will notify BPA at least 7 days prior to ground disturbing activities.

As mentioned, all construction vehicles and equipment will be washed initially before arriving on the project. Wilson Construction will establish five wash stations within the project area; locations will be determined by BPA. Vehicles and equipment will be cleaned each time before

entering the project area if they have left paved surfaces. Cleaning of vehicles and equipment will be certified in writing. The wash stations should prevent the spread of noxious weeds.

In agricultural areas, dust will not be allowed in the air during periods when the trees and vines have foliage. Water trucks will be used to control dust throughout the project. In food producing agricultural areas, measures will be taken to avoid contamination of soils. Garbage will be managed at each of the work sites and disposed of accordingly. Portable toilets will be placed along the project in appropriate locations.

Wilson Construction is aware of native shrub-steppe habitat located along McNary-John Day 3/3-5/2, 20/4-21/4, 70/5-75/2 and measures will be taken to limit the impact to the area and native seed will be used to reseed disturbed areas. Wilson is also aware that BPA is conducting burrowing owl surveys, and once complete, timing restrictions may be required. At structures 7/3 through 7/5 construction may begin after October 15, 2009 or once crops have been harvested and irrigation pivot is removed. Timing restrictions will be adhered to for nesting raptors.

Wilson Construction will provide an Erosion and Spill Control Lead (ESC)/Environmental Representative (ER) to be onsite for the duration of the project. The ESC/ER will be familiar with proper erosion and sediment controls, their installation and monitoring, dust mitigation, native steppe-shrub habitat, timing restrictions, cultural artifacts and protocol, controlling the spread of noxious weeds, spill prevention and response, restoration requirements and any additional mitigation requirements of the project including Federal and state environmental regulations and permit conditions as stated in the SWPPP and mitigation implementation table (MIT).

When construction activities have been completed, sites will be recontoured as necessary and revegetated with appropriate seed mix as specified in the (MIT). If applicable, permits will be reviewed to ensure compliance with any restoration requirements.

6.0 Communication and Training

Communication is extremely important in the successful completion of a project. Radios and cell phones will be used to communicate throughout the project area. Specific training will be conducted prior to helicopter operations to ensure clear and concise communication procedures are understood and utilized. Additionally, email will be used and recorded as a method to transmit information to and from the job site.

Wilson supervisors will ensure newly hired workers are familiar with the communication plan, safety and environmental requirements and have completed the necessary training. Safety and environmental issues will be incorporated into daily tailboard and weekly safety meetings. Wilson, as appropriate, develops and distributes informational brochures and pocket cards describing environmental sensitivities and notification information. This literature can be vital in facilitating communication when crews are spread out on a job site, and as a general reminder to workers about environmental concerns.

7.0 Safety

As with all Wilson Construction Company projects, safety is priority "ONE". Our in-house safety representative will work closely with BPA's representative to assure a thorough pre-job safety orientation is provided, weekly safety meetings are held, daily tailboards are held, and job safety analysis training is provided prior to each phase of work being performed. The Safety

Representative's responsibility is to provide a safe work environment for the employees and the public. This position will report directly to Ward Andrews, Wilson Construction's Safety Director.

8.0 Quality Management Plan

Wilson's Quality Assurance (QA) Plan starts with the company president, Don Wilson, and successfully impacts every individual involved in the company. Craftsmen, Foreman, Clerical and Management staff each contributes to the QA program and the success behind it.

SAFETY and QUALITY are the two most important ingredients to a successful project. The motto at Wilson is:

"WORK SAFE AND BUILD IT RIGHT THE FIRST TIME"

The QA process starts with a well-trained staff, work force and a consistent company philosophy of safety and quality. Prior to job mobilization, the Project Manager and Superintendent are each fully briefed on job specifications and requirements for the project. Prior to crew mobilization the Project Manager and Superintendent meets with BPA and their site representatives to integrate our plan into specific site requirements consistent with the BPA's expectations. Projects start with crew orientation including but not limited to:

1. Overall Project Review
2. Overall Job Safety Requirements
3. Overall Project Requirements
4. Environmental Requirements and Restrictions
5. Initial Task Specific Safety and Training Reviews, which become part of Daily Tailboard Meetings

Wilson's Project Managers and Superintendents work closely with the Ward Andrews, Wilson's Safety/Training Director to make sure that task-specific training is kept current throughout the project. A detailed review is held at the close of each project to ensure that this training meets its objective. These reviews are detailed and intense. This process is a used as a "Lessons Learned" tool in order to constantly find ways to improve the safety and quality of the product that Wilson delivers.

A well-trained team that is knowledgeable about the job specifications and the client's expectations can integrate that knowledge into a team approach with a common goal:

"A SAFE, QUALITY, SUCCESSFUL PROJECT"

A. PRECONSTRUCTION ACTIVITIES
   1. Estimators read and understand job in the bidding or negotiation process.
   2. The Project Managers, Superintendents, and other management are provided specifications and complete review prior to mobilization.
   3. The project Superintendent is designated as the primary QA/QC individual for the duration of the project.
   4. The Safety/Training Director is included in the review and a Safety and Training Plan formulated.
   5. Project Manager and Superintendent meet with client and site representatives to review site requirements.

6. Supervision and crews are selected from past experience and knowledge and are mobilized to project.
7. Superintendent and crew specific project orientation
   a) Overall Project Review
   b) Overall Project Training Review
   c) Vehicle Inspection

B. DAILY CONSTRUCTION ACTIVITIES
1. The Superintendent reviews specifications and works closely with clients' site representative.
2. The Superintendent works closely with the crew on-site to assure task-specific training is provided at daily tailboards and whenever the task changes.
3. The Superintendent works closely with the Project Manager to document all changes throughout the course of the project in order to ensure accuracy is provided to the client.
4. The Superintendent is responsible for inspecting work on a daily basis and providing comments and direction where needed.
5. Documentation of all activities (record keeping).

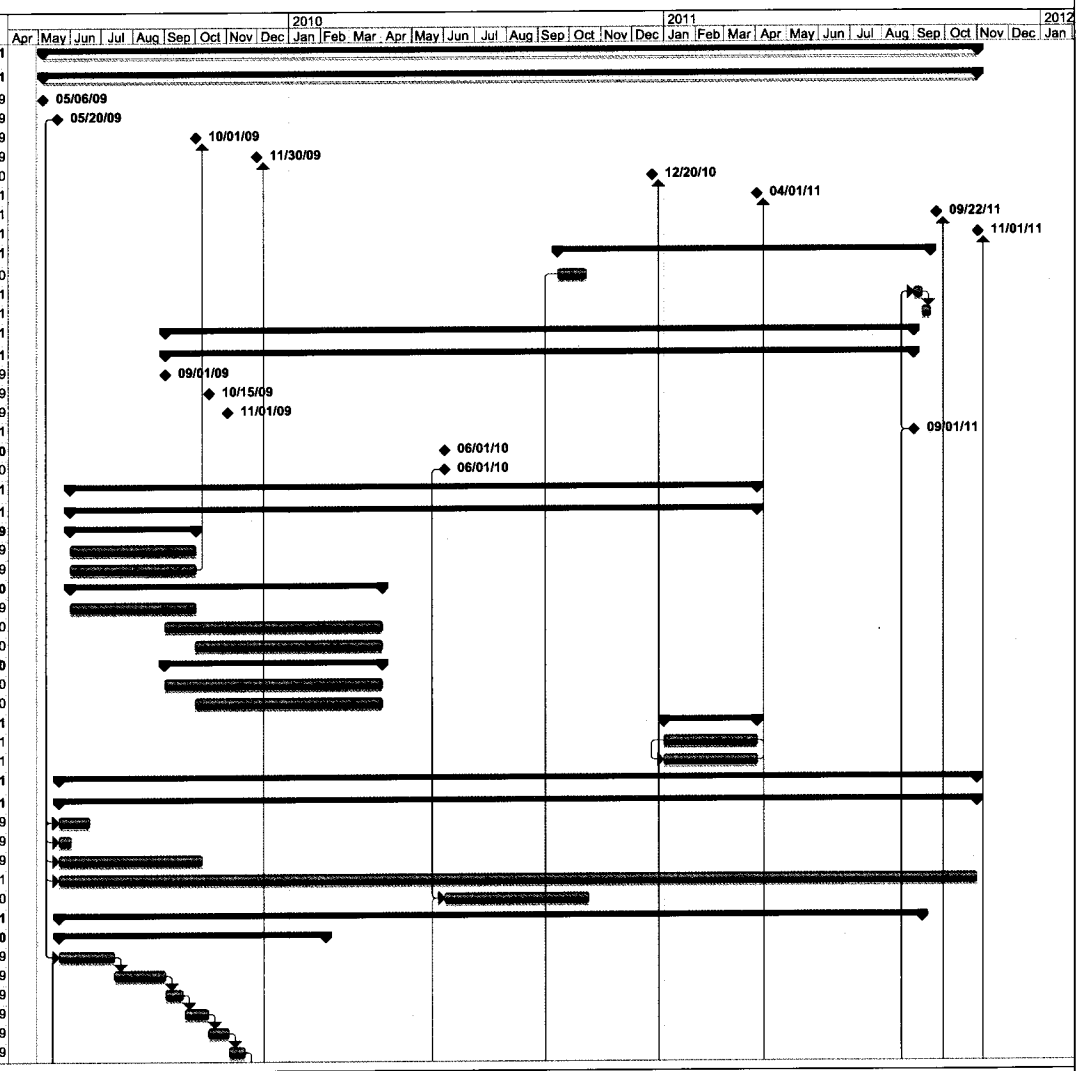
C. WEEKLY CONSTRUCTION ACTIVITIES
1. Superintendent and Client Site Representative Meeting Discussion Items:
   a) Schedule Update
   b) Quality, Safety or Environmental Concerns
   c) Changes or Revisions
   d) Submittals and/or Additional Required Documentation.

D. REGULAR PROJECT ACTIVITIES
1. The Superintendent monitors and inspects project for compliance.
2. Constant interaction with the client and/or subcontractors to ensure that the team is consistently working toward the same common goal (contract compliance) is essential.
3. Inspection, documentation and feedback to client/contractor occurring on a daily, weekly and monthly basis.

E. POST-CONSTRUCTION ACTIVITIES
1. Review of timeliness, accuracy, and quality of preparation of various documents.
2. Project close-out, review and assessment of responsiveness to client/subcontractor requests and overall project safety, accuracy, and quality.

Wilson Construction Company
McNary - John Day No. 1 500kV Transmission Line Construction
Project Schedule

ID	Task Name	Duration	Start	Finish
1	**BPA - John Day - McNary 500kV Transmission Line**	**780 days**	**Wed 05/06/09**	**Tue 11/01/11**
2	**Project Milestones**	**780 days**	**Wed 05/06/09**	**Tue 11/01/11**
3	Award Release	0 days	Wed 05/06/09	Wed 05/06/09
4	Issuance of Notice to Proceed	0 days	Wed 05/20/09	Wed 05/20/09
5	All Phase 1 Material Recieved	0 days	Thu 10/01/09	Thu 10/01/09
6	Complete Tower Erection for 3/2 to 13/2 by 12/1/2009	0 days	Mon 11/30/09	Mon 11/30/09
8	Substantial Completion - Phase 1	0 days	Mon 12/20/10	Mon 12/20/10
7	All Phase 2 Material Recieved	0 days	Fri 04/01/11	Fri 04/01/11
9	Substantial Completion - Phase 2	0 days	Thu 09/22/11	Thu 09/22/11
10	Project Final Completion & Energization	0 days	Tue 11/01/11	Tue 11/01/11
11	**Outage Dates**	**360.9 days**	**Mon 09/20/10**	**Fri 09/16/11**
13	Rock Creek - John Day #1 500kV	28 days	Mon 09/20/10	Mon 10/18/10
14	Horse Heaven - Harvalum #1 500kV & McNary - Ross #1 345kV	7 days	Thu 09/01/11	Thu 09/08/11
12	Ashe - Marion #2 500kV & Ashe - Slatt #1 500kV	7 days	Fri 09/09/11	Fri 09/16/11
15	**Work Restrictions**	**625 days**	**Tue 09/01/09**	**Thu 09/01/11**
16	**Phase 1**	**625 days**	**Tue 09/01/09**	**Thu 09/01/11**
19	Access Roads, Crossing and Approach Permits, Acquired	0 days	Tue 09/01/09	Tue 09/01/09
18	Structures 7/3 - 7/5 Work Restrictions	0 days	Thu 10/15/09	Thu 10/15/09
20	Additional right of way for Towers 24/4 to 27/3, Acquired	0 days	Sun 11/01/09	Sun 11/01/09
17	No Footing Work on ATA 119 (23/3) and ATA 120 (24/4) until Spring 2011	0 days	Thu 09/01/11	Thu 09/01/11
21	**Phase 2**	**0 days**	**Tue 06/01/10**	**Tue 06/01/10**
22	Access Roads, Crossing and Access Permits, Additional Right of Way, Acquirec	0 days	Tue 06/01/10	Tue 06/01/10
23	**Material Procurement**	**575 days**	**Mon 06/01/09**	**Fri 04/01/11**
24	**BPA - Provided Material**	**575 days**	**Mon 06/01/09**	**Fri 04/01/11**
25	**Material Delivery - Segment 3/2 to 42/1 - Phase 1**	**106 days**	**Mon 06/01/09**	**Thu 10/01/09**
26	Steel Towers & Footings	106 days	Mon 06/01/09	Thu 10/01/09
27	Conductors, Hardware, Insulators, OHGW, & OPGW	106 days	Mon 06/01/09	Thu 10/01/09
28	**Material Delivery - Segment 42/1 to 75/2 - Phase 2**	**262 days**	**Mon 06/01/09**	**Thu 04/01/10**
30	Conductors	106 days	Mon 06/01/09	Thu 10/01/09
29	Steel Towers & Footings	183 days	Tue 09/01/09	Thu 04/01/10
31	Hardware, Insulators, OHGW, & OPGW	157 days	Thu 10/01/09	Thu 04/01/10
35	**Material Delivery - Segment 76/3 to 79/3 - Phase 2**	**183 days**	**Tue 09/01/09**	**Thu 04/01/10**
36	Steel Towers & Footings	183 days	Tue 09/01/09	Thu 04/01/10
37	Conductors, Hardware, Insulators, OHGW, & OPGW	157 days	Thu 10/01/09	Thu 04/01/10
32	**Material Delivery - Segment 75/2 to 76/2 - Phase 2**	**78 days**	**Sat 01/01/11**	**Fri 04/01/11**
33	Steel Towers & Footings	78 days	Sat 01/01/11	Fri 04/01/11
34	Conductors, Hardware, Insulators, OHGW, & OPGW	78 days	Sat 01/01/11	Fri 04/01/11
38	**Construction**	**766.1 days**	**Thu 05/21/09**	**Tue 11/01/11**
39	**Site Work / Environmental**	**766 days**	**Thu 05/21/09**	**Tue 11/01/11**
40	Mobilization	26 days	Thu 05/21/09	Sat 06/20/09
41	Setup Material Yards	10 days	Thu 05/21/09	Tue 06/02/09
42	Build Access Roads - Phase 1	120 days	Thu 05/21/09	Thu 10/08/09
44	Maintain Access Roads, Environmental, SWPPP	766 days	Thu 05/21/09	Tue 11/01/11
43	Build Access Roads - Phase 2	120 days	Wed 06/02/10	Tue 10/19/10
45	**Build New Line - Segment 3/2 - 42/1 - Phase 1**	**721 days**	**Thu 05/21/09**	**Thu 09/08/11**
46	**Foundations & Footings**	**224 days**	**Thu 05/21/09**	**Fri 02/05/10**
47	ATA 20 (3/2) - ATA 69 (13/2)	46 days	Thu 05/21/09	Mon 07/13/09
49	ATA 70 (13/3) - ATA 123 (24/2)	43 days	Tue 07/14/09	Tue 09/01/09
48	ATA 20 (3/2) ,ATA 24 (3/6),ATA 30-39 (5/2 - 7/2), & ATA 42 (7/5)	15 days	Wed 09/02/09	Fri 09/18/09
51	ATA 70 (13/3) - ATA 123 (24/2)	20 days	Mon 09/21/09	Tue 10/13/09
50	ATA 126 (24/5)- ATA 138 (27/3)	17 days	Wed 10/14/09	Mon 11/02/09
52	ATA 139 (27/4) - ATA 150 (29/6)	14 days	Tue 11/03/09	Wed 11/18/09



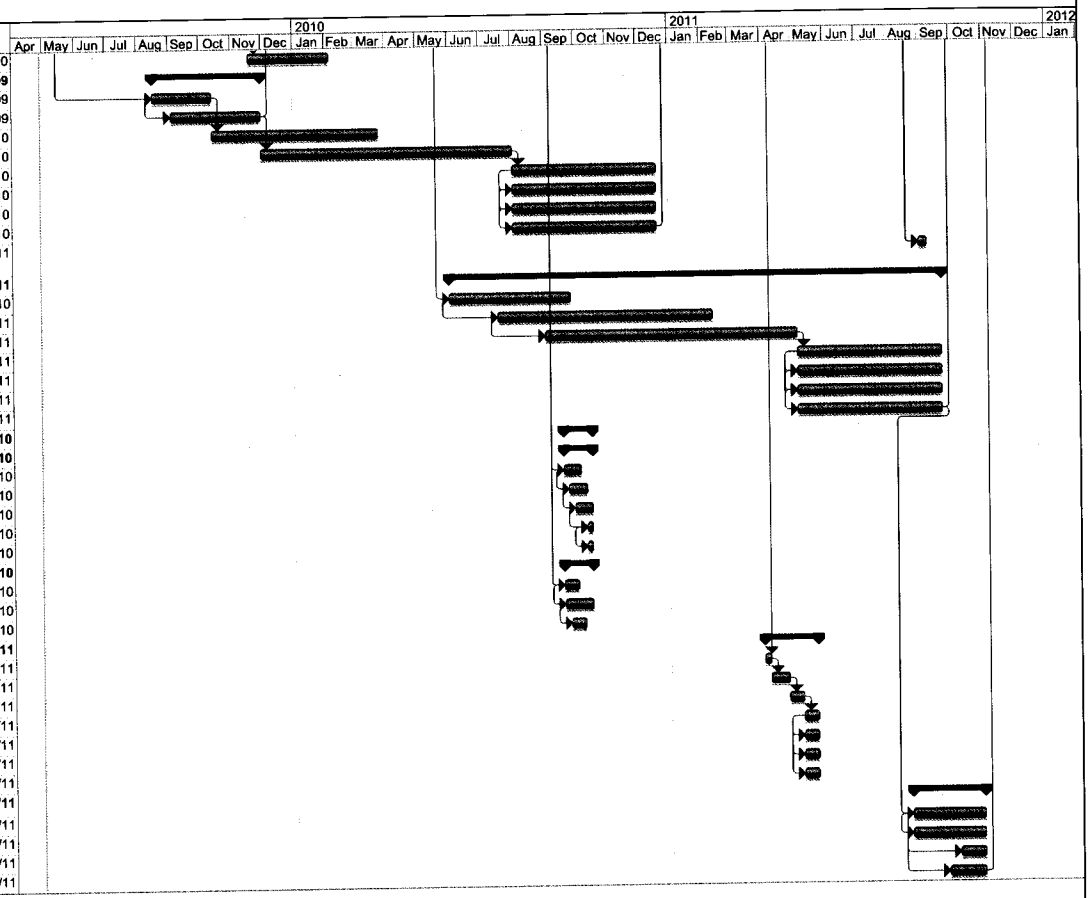
Project: BPA - John Day - McNary 500kV Transmission Line
Date: Wed 04/29/09

Critical | Task | Split | Progress | Milestone | Summary | Project Summary | External Tasks | External Milestone | Deadline

~~Master Agreement Number 28333, Release 019~~

Wilson Construction Company
McNary - John Day No. 1 500kV Transmission Line Construction
Project Schedule

ID	Task Name	Duration	Start	Finish
53	ATA 151 (30/1) - ATA 207 (42/1)	68 days	Thu 11/19/09	Fri 02/05/10
54	**3/2 to 13/2**	**91 days**	**Mon 08/17/09**	**Mon 11/30/09**
55	Haul & Assemble Steel lattice Towers 3/2 to 13/2	50 days	Mon 08/17/09	Tue 10/13/09
56	Erect Steel Lattice Towers 3/2 to 13/2	75 days	Fri 09/04/09	Mon 11/30/09
57	Haul & Assemble Steel Lattice Towers 13/3 to 42/1	140 days	Wed 10/14/09	Thu 03/25/10
58	Erect Steel Lattice Towers 13/3 to 42/1	210 days	Tue 12/01/09	Mon 08/02/10
60	Install Conductor (Triple Bundle ACSR Deschutes)	120 days	Tue 08/03/10	Mon 12/20/10
61	Install (2) - 1/2" EHS Steel OHGW	120 days	Tue 08/03/10	Mon 12/20/10
62	Install 72 Count ADSS Fiber Optic Cable	120 days	Tue 08/03/10	Mon 12/20/10
63	Sag, Clip, & Dead End Conductor, OHGW, & OPGW	120 days	Tue 08/03/10	Mon 12/20/10
59	Install Footings, Assemble & Erect Structures, Conductor, OHGW, & OPGW for ATA 119 (23/3) & ATA 120 (23/4)	7 days	Thu 09/01/11	Thu 09/08/11
64	**Build New Line - Segment 42/1 - 75/2 and 76/3 - 79/3 - Phase 2**	**410 days**	**Wed 06/02/10**	**Thu 09/22/11**
65	Foundations & Footings - ATA 208 to ATA 380	101 days	Wed 06/02/10	Mon 09/27/10
66	Haul & Assemble Steel Lattice Towers	180 days	Mon 07/19/10	Sat 02/12/11
67	Erect Steel Lattice Towers	210 days	Fri 09/03/10	Thu 05/05/11
68	Install Conductor - Triple Bundle ACSR Deschutes	120 days	Fri 05/06/11	Thu 09/22/11
69	Install (2) - 1/2" EHS Steel OHGW	120 days	Fri 05/06/11	Thu 09/22/11
70	Install 72 Count ADSS Fiber Optic Cable	120 days	Fri 05/06/11	Thu 09/22/11
71	Sag, Clip, & Dead End Conductor, OHGW, & OPGW	120 days	Fri 05/06/11	Thu 09/22/11
72	**Remove & Rebuild - Rock Creek - John Day #1 500kV**	**24 days**	**Mon 09/20/10**	**Mon 10/18/10**
73	**Rebuild from 4/3 to 6/2**	**24 days**	**Mon 09/20/10**	**Mon 10/18/10**
74	Foundations & Footings	15 days	Mon 09/20/10	Thu 10/07/10
75	Haul & Assemble Steel Lattice Towers	15 days	Sat 09/25/10	Wed 10/13/10
76	Erect Steel Lattice Towers	14 days	Fri 10/01/10	Mon 10/18/10
77	Install Conductor - Twin Bundle ACSR Chukar 4/3 to 6/2	4 days	Wed 10/13/10	Mon 10/18/10
78	Sag, Clip, & Dead End Conductor, OHGW, & OPGW	4 days	Wed 10/13/10	Mon 10/18/10
79	**Remove Existing from 4/3 to 6/3**	**24 days**	**Mon 09/20/10**	**Mon 10/18/10**
80	Remove Existing Conductor	12 days	Mon 09/20/10	Mon 10/04/10
81	Remove Exsiting Steel Lattice Towers	23 days	Tue 09/21/10	Mon 10/18/10
82	Remove Exising Footings	12 days	Mon 09/27/10	Mon 10/11/10
83	**Build New Line - Segment 75/2 to 76/2 - Phase 2**	**44 days**	**Sat 04/02/11**	**Mon 05/23/11**
84	Foundations & Footings	5 days	Sat 04/02/11	Thu 04/07/11
85	Haul & Assemble Steel Lattice Towers	15 days	Fri 04/08/11	Mon 04/25/11
86	Erect Steel Lattice Towers	12 days	Tue 04/26/11	Mon 05/09/11
87	Install Conductor - Triple Bundle ACSR Chukar	12 days	Tue 05/10/11	Mon 05/23/11
88	Install (2) - 1/2" EHS Steel OHGW	12 days	Tue 05/10/11	Mon 05/23/11
89	Install (2) - 36 Count OPGW Fiber Optic Cable	12 days	Tue 05/10/11	Mon 05/23/11
90	Sag, Clip, & Dead End Conductor, OHGW, & OPGW	12 days	Tue 05/10/11	Mon 05/23/11
91	**Project Cleanup & Closeout**	**60 days**	**Tue 08/23/11**	**Mon 10/31/11**
92	Site Restoration	60 days	Tue 08/23/11	Mon 10/31/11
93	Reseeding	60 days	Tue 08/23/11	Mon 10/31/11
94	Demobilization	20 days	Sat 10/08/11	Mon 10/31/11
95	Project Closeout	30 days	Tue 09/27/11	Mon 10/31/11



Project: BPA - John Day - McNary 500kV Transmission Line
Date: Wed 04/29/09

Critical | Task | Split | Progress | Milestone | Summary | Project Summary | External Tasks | External Milestone | Deadline

~~Master Agreement Number 28333, Release 019~~

McNary-John Day #1 500 kV Transmission Line Construction Project
Site Specific Safety Plan

Scope of Work:
This project involves the construction of 76 miles of a new lattice steel 500 kV transmission line and relocation of 2 miles of the existing Rock Creek-John Day 500 kV lattice steel transmission line in the states of Oregon and Washington.

Basic Tasks:

- Road construction: Work to be done by our subcontractor/partner.
- Install Footers: Work to be done by our subcontractor/partner
- Assemble and erect 76 miles of new lattice towers: Both crane and heavy lift helicopter methods will be used. WCC will use a subcontractor for the heavy lift helicopter work. A subcontracted rental crane and operator will be used to assist our crews erect the 312 foot river crossing tower.
- Assemble and erect 2 miles of new lattice steel towers for line relocation
- Install, sag, clip, dead-end and space 2-bundle Chukar, 3-bundle Chukar, 3-bundle Deschutes conductor as indicated. Install ½" OHGW, ADSS and OPGW fiber optic cable as indicated.
- Install airway obstruction lighting and marker balls.
- Install counterpoise
- Under the protection of a Clearance, install two new dead-end towers and then energize new relocated two mile Rock Creek-John Day line section.
- Wreck out and salvage 2 miles of de-energized Rock Creek-John Day line section.

Basic Safety Requirements:
All work will be conducted under the auspices of Federal OSHA 1926 Subpart V (Construction), Washington State L&I (WAC 296-45) and Oregon OSHA (OAR 437 Div 3) as applicable. We will comply with Bonneville Power Administration, IBEW and WCC safety policies, procedures and programs. If there is a conflict between these regulations/programs, the most stringent shall apply. We shall insure that our subcontractor/partners comply with all applicable safety requirements.

Co-ordination:
All work will be coordinated with the BPA Dispatcher and BPA's Construction Management as well as ODOT, WASHDOT, the Tribes, landowners and other stakeholders, and the BNSF and Union Pacific Railroads and the Columbia River authorities and users to insure a safe environment is maintained for our employees, subcontractors and the general public throughout this project.

Parallel Lines:
The new line runs generally parallel to energized 287 kV, 345 kV and 500 kV lines in an existing energized corridor. Induction will be a hazard as will proximity and maintaining

the MAD. Every effort will be made to plan work setups on the dead side of each structure to assure additional clearance from energized lines. Spotters will be used to ensure the work does not come close to the MAD. If this cannot be avoided, a qualified Safety Watcher will be employed. WCC will provide additional personnel as needed to take BPA's Safety Watcher/Clearance test. Our qualified Clearance holders will request Hold Orders, as needed, when erection or other work procedures potentially impact the MAD of parallel energized lines.

Crossing Energized Lines:
The new line will cross 15 kV class (12-14 kV) energized distribution lines as well as 115 kV and 230 kV transmission lines. WCC will supply at least two qualified linemen to take the BPA Clearance-holder test. WCC Clearance-holders will take Clearances or Hold Orders as applicable on foreign and BPA utility lines for employee protection any time we string conductor over or under or work in close proximity to those lines. Guard structures or booms will be used for protection when moving conductor over these lines using tight line methods. The line will be surveyed and an up-to-date Guard Annex supplied to BPA before any stringing takes place in each section.

Road and R.R. and River Crossings:
WCC has identified numerous local roads, two state highways and two Interstate Highways that will be crossed during construction. In addition there are crossings of both the BN&SF and Union Pacific RR tracks and two crossings of the Columbia River. WCC will erect guard structures or booms, use tight line stringing methods, contact and work with the railroads, WASHDOT, Oregon DOT, and the local authorities and comply with any additional requirements. WCC personnel will attend any safety classes provided by the railroads. Signage will comply with the MUTC as well as state and local requirements. A Traffic Control Plan (TCP) will be prepared and submitted to WADOT and OREDOT for the crossings as well as for the bulk of the work that runs parallel to Washington SR 14. Flaggers will have current state flagging cards. Employees working near active roadways will wear Hi-Viz vests. Employees working above or immediately adjacent to the Columbia River will wear PDF's, 100% fall protection, or will be working behind barriers compliant with fall protection requirements. Prior to pulling conductor or sock-line across the Columbia, WCC will notify the Coast Guard, the Columbia River Pilots Assn., as well as Tidewater and Brusco Barge. We will utilize small boats and public announcements as needed to block pleasure boat and miscellaneous river traffic.

Terrain:
Side-hill construction will be a safety challenge on this project. WCC will minimize environmental impact and the challenge of working with heavy equipment in side-hill conditions from the 43-70 mile by using smaller RT cranes to construct lower tower sections (legs and leg extensions) and utilizing our experience and expertise landing pre-assembled upper tower sections (complete with insulators and travelers) with our heavy lift helicopter partner to complete the rest of the tower erection process. While that will limit the use of heavy cranes on steep and potentially unstable side-hills, employees and subcontractors will still need to use the utmost caution while working in these areas. All vehicles and equipment must be chocked when parked and material laid out must be adequately blocked. Building adequate landings and access roads will be essential for the safe operation of equipment at each tower and wire pull site. We will emphasize to our road building partner/subcontractor the importance of protecting

the public by the erection of barriers as needed to protect others from falling rock and sliding spoils below them on steep hillsides. Utilizing adequate compaction and appropriate base material will be crucial for maintaining the integrity of filled in areas as we cut or upgrade roads to make them adequate for heavy equipment travel. When turning or backing equipment in these conditions, the use of a ground guide is always a precondition. We will work with our Environmental department to insure that measures such as culverts, water-bars, ditching, diversions, barriers and other methods are properly used to maintain the integrity and stability of fragile soils in all weather conditions.

Line Status:
The McNary-John Day will be constructed as new construction and unconnected to any source of energization throughout the project. The new 2 mile Rock Creek-John Day line section will be constructed as new construction with the exception of the two new dead-end towers which will be erected under the protection of a Clearance. We expect, at this time, that the foundations and possibly some leg sections may be constructed under the protection of a Hold Order (prior to the outage) by using our lower profile Low-drill and a Safety Watcher. WCC will supply qualified linemen to take BPA's Clearance Holder/Safety Watcher test. At no time will the MAD be violated. Once this work is completed, the conductor dead-ended and permanent jumpers installed, WCC will drop its Clearance and return the line to energized status. WCC will first ensure that mechanical jumpers (macs) are installed using hot line tools between the isolated line sections before we get between isolated sections. WCC will ensure that current Clearance boundaries and line status are reviewed at daily tailboards and that all linemen will first **TEST** the line before applying grounds to insure no confusion arises as to whether a section is de-energized or "hot". All work shall take place under the protection of worksite grounds. We will make every effort to set up equipment and plan work so as to have the least possible exposure to energized circuits and equipment.

Step and Touch:
We will ensure that hazardous step and touch voltages are not present when grounding lines for employee protection. We will ensure that changing conditions are monitored periodically to ensure employees are protected. Readings will be logged and reviewed to help identify potential hazards. Initially readings will be taken at the start of each day as grounds are applied. As job conditions progress and become clear, frequency may be changed after consultation with the COTR.

Safety Orientation:
Before the start of project work, Wilson's Safety Department will hold a briefing with all employees, supervisors and subcontractor personnel. The briefing will cover training on the safety hazards listed. Additionally, we will review WCC's safety policies and applicable WADOSH, OREOSHA and BPA regulations. If there is a conflict between these guidelines, the most stringent will prevail. Helicopter safety training will be conducted by the PIC before the start of helicopter operations.

Safety Tailboards and Briefings:
Daily tailboards will cover specific work tasks, assignments, locations, communications procedures, review of applicable JSA's, sources of induced voltage, any required safety watch locations, parallel energized lines and other specific job hazards and applicable information. In addition, Clearance Holders will daily discuss the status, and details of

any applicable Clearance and or Hold Order. Additional tailboards and/or Clearance briefings will be held any time there is a change in conditions, or a change required in safe working procedures.

Roles and Responsibilities:
WCC Foremen are the "on the spot safety managers" and will have numerous specific responsibilities. They will be responsible for recording daily tail-board meetings and weekly safety topics as well as observe and enforce all safe work procedures. Superintendents and General Foremen will also lead in enforcing our safety violation policy, which is a three-step plan. This plan consists of a verbal warning, written warning and/or suspension, termination.

Nearest Medical Facilities:

Good Shepherd Medical Center
(24 hour Emergency care as Level III Trauma Center)
610 NW 11th
Hermiston, Oregon 97838
Emergency: dial **911**
Non-Emergency: (541) 667-3400

Kennewick General Hospital
(24 hour Emergency care as Level III Trauma Center)
900 South Auburn Street
Kennewick, Washington 99336
Emergency: dial **911**
Non-Emergency: (509) 586-6111

Klickitat Valley Hospital
(24 hour Emergency care as Level IV Trauma Center)
310 South Roosevelt
Goldendale, Washington 98620
Emergency: dial **911**
Non-Emergency: (509) 773-4022 x632

Emergency Communications:
Prior to the start of construction, WCC will survey the ROW areas to determine if communications are consistent and reliable throughout the work area. If necessary, WCC will reinforce its communications system with satellite phones or other methods to insure a reliable form of communications is in place. Our trucks and crews are radio equipped. In the event an emergency requires communication with a helicopter air ambulance, WCC's assigned VHF frequencies are:

Primary (WCC Channel 1)-151.505 MH –transmit/ receive/ Tones - 74.4
Alternate (WCC Channel 2)-151.625 MH – transmit/ receive/ Tones - 74.4

Personal Protection:
All crewmembers are required to wear **white** hard-hats (with chin straps if working around a helicopter), safety glasses, long sleeve shirts and work boots IAW Federal, State, Local, BPA, WCC and industry safety practices, policies and regulations. Specifically, eye protection shall be worn during the conduct of **all** construction activities

to exclude only meetings and traveling inside a protected vehicle while in transit. In the event crewmembers are working in close proximity to equipment noise in excess of 85 dBA, crewmembers will be required to wear hearing protection. Employees working adjacent to active roadways or traffic shall wear Hi-viz vests. ***Workers shall wear FR shirts when exposed to potential arc flash hazards such as during the installation of Master Grounds. Helicopter crews including fuelers and mechanics shall also wear FR.***

Fall Hazards:

Employees working at elevated positions such as poles, towers, or other similar structures shall wear body belts with straps or a harness with shock absorbing lanyard. Safety straps shall not be placed around poles above the cross arm except where it is not possible for the strap to slide over the top of the pole by inadvertence of the employee. A full body harness with a shock-absorbing lanyard **shall** be worn in and attached to an approved anchor on **all aerial man lift equipment**. Employees working from a spacer cart will wear a harness with the lanyard clipped to the conductor. Crew members will use a platform, hook ladder or man-lift for access when making dead ends or doing other work beyond strings of insulators, at such distance that they cannot reach the work from the pole or structure. While working on the platform, they will be secured with harness and lanyard. Spacing crews shall receive training to safely climb over dead-end insulators on bundled conductor after they have been permanently pinned. They shall have fall protection in place 100% of the time during this process. Employees shall inspect climbing equipment for defects before each use, including UV damage. Equipment not meeting inspection criteria shall be "red-tagged", removed from service and replaced.

Flora and Fauna:

There is a potential for vermin related illnesses as well as snakes during warmer weather when working with stored materials or opening packaging or enclosed spaces. There is also a possibility of encountering bees or wasp nests when handling stored material or on the inside angles of steel structures. Care shall be taken before climbing structures to ensure area is safe and clear. Linemen shall inspect inside angles for wasp nests before climbing. Proper footwear (boots) is to be worn at all times on the job site. In case of snakebite, activate EMS System and follow pre-trained first aid procedures. Poison oak may be found in the work area. Workers shall watch for signs of the plant and avoid contact. If poison oak is identified in r.o.w. areas, linemen will be trained on recognition and avoidance and the WCC Superintendent will make urushiol protectant and cleanser available as needed.

Hot Weather Injury:

Superintendent shall monitor weather daily for temperature forecast. Crews shall be checked prior to start of work to ensure adequate weather protective clothing is on hand and/or worn. If conditions present a threat of dehydration, heat exhaustion or heat stroke, crews shall take adequate breaks in shaded areas. Water coolers shall be checked and filled daily with adequate ice and water. As dehydration is the primary problem in extreme heat, crew foreman shall ensure crews are drinking water in amounts adequate to maintain proper hydration. Care shall be taken while operating tools and equipment as metal and plastic parts may become dangerously hot if left in the sun. Bottled water shall be kept as a backup water source for aerial crews. Work will be conducted to comply with WAC 269-62-095 requirements.

Cold Weather Injury:
In the event of extreme cold weather conditions, the Superintendent shall monitor weather daily. Crews shall be checked prior to start of work to ensure adequate cold weather protective clothing is on hand and/or worn. If conditions present a threat of hypothermia and/or frostbite, crews shall take adequate breaks in warming trailer (job trailer) or truck cabs. Care shall be taken while operating tools and equipment as metal and plastic parts may become brittle in extreme cold temperatures. As dehydration is as much a problem in extreme heat as in extreme cold, crew foreman shall ensure crews are drinking water in amounts adequate to maintain proper hydration. If conditions indicate formation of ice on climbing surfaces, use of additional fall protection procedures or methods shall be reviewed with crews by the WCC foremen. Foremen shall remind crews of slip, trip, and fall hazards when climbing on snow or ice covered truck beds.
The General Foreman will continually monitor weather conditions especially when working in remote areas, closely watching for fast moving fronts or major disturbances which could preclude planned exits from the r.o.w. If conditions warrant, we will not hesitate to pull crews out before incoming weather can strand them.
As a general rule, stranded employees will be instructed to communicate their location via portable radio and to stay on site and await rescue.

General Public:

Crews will remain vigilant for the activities of the General Public in the work area. If needed, we will place public notice signs in recognized public areas and parking areas that adjoin or share the right-of-way, specifying dates of construction and warnings for the presence of men and equipment. In addition the WCC foremen shall insure that jobsite visitors (such as tribal cultural monitors, landowners, etc.) are given a brief review of jobsite hazards and safety requirements before entering an active work zone.

Wreck-out/Disassembly:
Prior to the removal of old conductor, a running ground shall be installed on the wire at the rewind machine. Grounds will be tied together to ensure no difference in potential exists for the worker (Equi-potential zone). Grounded travelers will be in placed at hot crossings, at the first and last structures, and at appropriate intervals so that no personnel can be working more than 2 miles from a Master Ground. Linemen unclipping shall first apply a personal ground at their work site. Socks shall be banded and taped.
Prior to disassembly, specific tailboards shall cover safe procedures. Cranes shall be employed to lift structure sections and place them safely on the ground. Lift planning will include comparison of pre-figured load with crane chart limitations. Rigging will consist of either commercially available or engineered and tested shop-made below the hook rigging devices stamped with the WLL per ANSI standard. Linemen will remove bolts in each section after load has first been taken up by the crane. Linemen will belt off only to secured tower section-never to unsecured or unbolted parts. During disassembly on the ground, structures shall be blocked and braced to preclude movement or collapse. Salvageable material shall be carefully stacked in accordance with project bundling requirements with focus on stability and adequate banding.

Excavation:

WCC expects to use a qualified partner/subcontractor for grillage, plate and drilled shaft footers. We will insure that our subcontractor meets all state, federal, BPA, and WCC excavation safety requirements. We will monitor and conduct safety audits to insure our subcontractor has conducted a pre-job hazard analysis and mitigation, conducts daily safety tailgates that point out daily hazards to employees, that employees use adequate p.p.e. and that all environmental concerns are met or exceeded. At a minimum WCC will ensure that:

> Only qualified operators will excavate. Before digging or disturbing earth grade, areas shall be first checked for pre-existing utilities (locates). Open excavations shall be covered if left overnight or protected by barriers to keep workers and/or the public a safe distance away. If it is necessary to enter an excavation in excess of 4' depth, a competent person shall evaluate the excavation and ensure adequate shoring and sloping have been completed. We expect that conventional footings will require use of a trench box for employee protection. Spoils shall be placed at least two feet away from trench boxes. Employees checking batter/angle and other measurements requiring work at least 4 feet above a lower level shall use adequate fall protection. Employees working in proximity to open excavations (such as guiding cement chutes into drilled shafts) shall wear fall protection to insure they do not inadvertently enter the excavation.

Blasting Plan:
WCC's subcontractor shall submit a detailed blasting plan prior to the start of any blasting operation. At a minimum, the plan shall cover transport, storage and handling of explosives, blaster qualifications, licensing and permits and a brief description of methodology as well as control of fly-rock and dust, exclusive use of non-electric detonation, air blast and vibration monitoring, a misfire plan, and methods used to secure the area and protect and notify the general public as well as BPA facilities.

Assembly and Erection:
While work is being performed overhead, tools and materials shall be placed in proper receptacles when not being used. Tools and materials shall not be thrown to or from the employees on the pole or other elevated position(s) but shall be raised and lowered by means of a hand line and /or tool bag. Tools and loose materials will not be left on poles, cross arms, ladders or other elevated structures or positions. Employees working on the ground shall not work directly under linemen working overhead unless so required by the job task, and shall make the linemen aware of their presence in the work zone below. Adequate blocking shall be used to ensure panels are stable during assembly. Lineman working aloft shall only belt to previously secured tower sections. Crane load lines shall not be released until tower sections are deemed "secure" (at least 50 % of bolts are in place). Heavy lift helicopters shall not release loads until the observer has deemed it positively secured inside the pre-engineered guide/positioning plates (banana clips). Our partner/subcontractor will comply with Washington state rules regarding safely landing and securing helicopter loads (tower sections) with positioning devices.

Material Handling:
Only qualified drivers will pick up and load materials. All loads will be properly secured and visually inspected before movement. All trucks and forklift/material handlers shall be given a daily inspection before use. Forklift operator shall have documented and current proof of training.

Equipment Safety:
Only qualified operators shall operate equipment. All operators shall complete a daily inspection before operating any equipment. Lift planning shall be done prior to lifts and will include comparison of anticipated load with crane limitations. Crane computers (or LMI's) shall be used as a tool but shall not substitute for proper lift planning and load charts. Environmental factors such as wind and ground conditions shall be considered before making picks. Stabilizer pads shall be used under outriggers which shall be fully extended. Daily Job Hazard Analysis shall be conducted for crane operations. When cranes, boom trucks, winches or tractors are being used to raise poles, towers or material, to pull in wire, to pull slack or in any other operation, there will be an operator at the controls unless the machinery or process is fully stopped. The Foreman will designate a signalman to give signals when making crane lifts. During erection operations, employees will not work under parts or structures suspended by a crane or similar equipment unless required to land, rig, or unhook loads, in which case they shall have an escape path or plan in place. Tag lines shall be used to control loads

Rigging Safety:
Only trained and qualified employees shall direct or rig loads. All rigging components shall be inspected before use. Components not meeting inspection criteria shall be "red-tagged" and removed from service. All slings, chains and bridles shall have legible WLL tags or be removed from service. All shackles, links, blocks and similar rigging parts shall have a legible WLL or SWL or be removed from service.

Wire Installation:
Prior to pulling in new conductor, a running ground shall be placed at the tensioner and tied to all worksite grounds to create an equipotential zone. Grounded travelers shall be in place at hot crossings and at the first and last structure. When crossing over or working in proximity to energized lines, WCC will obtain a Clearance or Hot Line Hold for worker safety. WCC will use tight line stringing methods to maintain clearances, install guards or covers when stringing over lines, and monitor clearances when stringing over energized lines or roads. Socks shall be banded and taped. All members of the stringing crew shall be in radio communications. Personnel shall stay out from under moving conductor at all times. All temporary snubs shall be pre-tested and adequate to hold calculated loads.

Working from Aerial Spacer Carts:
Training will be provided to all linemen on the use and care of WCC's self-passing spacer carts. All carts have hydraulic all-wheel drive and installed valves securely lock up all four drive wheels to provide braking action when the operator's handle is released. All carts have hydraulic self-passing arms. Linemen should not need to climb outside carts while passing through tangent structures.

- Full body harness and lanyard must be worn while working in carts.
- Safety latches or chains are provided for all drive wheels. They must all be latched before using cart.
- On steeply angled conductors, "grapevine" (or the equivalent) rope brakes shall be used to provide secure braking power.

- When crossing over roads and energized lines, linemen shall pay special attention to ensure that tools and material do not hang below the carts, and that the MAD on lines being crossed over is not violated. WCC will survey major road crossings to determine if traffic control or signage is required.

Fire Hazards:
Fire prevention training, if required, shall be conducted in addition to adherence to common sense good housekeeping. Observe all 'NO SMOKING' signs, especially near flammables. Do not smoke or have an open flame in the vicinity of an active helicopter LZ. Make sure the area is free from any combustibles when welding. First wet down the area if needed. Place all construction debris in the proper area for disposal. Flammable liquids will be stored in ***UL*** approved containers. All equipment will have a current fire extinguisher mounted in it and a decal on the bin door identifying its location.

Fire Plan:
WCC will monitor the IFPL and comply with any fire related restrictions and requirements. In the event a work area is designated to be in the "Extreme" fire hazard category, work will be scheduled in coordination with BPA to mitigate risk while trying to maintain the overall work schedule. Crews shall be trained in the use and employment of firefighting equipment. Crews will carry fire fighting tools to include shovel, "polaskie", and 5-gallon water pack and a water truck will be brought on site if fire or dust conditions warrant. Crews will fight incipient fires only, maintaining a planned escape route at all times.

Subcontractors:
WCC will ensure that all subcontractors are aware of the job hazards outlined in this sssp. WCC is aware that as prime contractor, we are responsible for the safety performance of all subcontractors we employ, and we will ensure appropriate safe working procedures are employed. If it becomes necessary to employ a blasting subcontractor, WCC will submit a blasting safety plan from our subcontractor at that time.

Helicopter Operations:
It is anticipated that helicopter operations on this project will be confined to sock-line pulling and material support with our MD-500's and the use of a heavy lift helicopter subcontractor for stacking tower sections in miles 43-70. Pre-flight safety briefings will be attended by all involved employees. We will cover the particular hazards of flight operations, work methods and the signals to be used as well as radio communications. WCC portable radios will be used for constant communication between the helicopter and ground crews. Electrically operated cargo hooks shall be tested daily. Both the electrical and mechanical release must be operational. All ground-based LZ workers will wear hard hats secured by a chinstrap, safety glasses and hearing protection. No employee shall work on, under or in the near vicinity of a helicopter while wearing loose clothing that could be caught in the moving equipment, the hoist lines, or otherwise interfere with the safe performance of the work. The helicopter pilot shall be responsible for the size, weight and manner in which loads are connected to the helicopter. Weight of the external load shall not exceed the manufacturer's load limit. Upon approval of the Pilot, designated employees may come within 50 feet of the helicopter when the rotor blades are turning only to enter the craft, to hook or unhook the load or do other essential functions. Other employees shall not come closer than 100 feet of the craft

when it is operating. No load lift shall be made if the helicopter pilot believes it cannot safely be performed. Only qualified crew will perform work under hovering helicopters; then only for the limited period of time necessary to guide, secure, hook or unhook the loads. WCC will use a dielectric load line to minimize the hazard of static buildup. When working under hovering helicopters at any location, the employee shall have a safe pre-planned escape route in the event of an emergency. The Helicopter Job Hazard Analysis shall be reviewed before the fly on each day the helicopter is on the job:

Pilot Fatigue:

WCC shall insure, by scheduling pilot rotations, that individual pilots do not become fatigued while conducting high demand operations in the wire environment. Individual pilots shall inform the foreman if fatigue becomes a safety hazard and their limits are reached. In such cases, the pilot will be rotated or flight operations shut down if required. BPA requirements for pilot rest and rotation will be maintained and adhered to.

Helicopter Class C Operations (Sock-Line Pulling):

- Tension machine must be in free-wheel with adequate braking.
- A breakaway swivel will be used for side pull ops to minimize helicopter exposure to loss of flight control. Shear pin will be inspected before each pull and employees instructed to stand in the clear in case of unexpected loss of line.
- Helicopter travelers will be inspected before each use.
- If a subcontractor is used for the helicopter work, Wilson will insure the subcontractor understands and carries out these requirements.

Helicopter Class B (Tower Setting Operations by WCC's partner/subcontractor):

Subcontractor will comply with all listed requirements applicable to WCC's helicopter operations. In addition they shall:

- Use a positive guide and positioning system (banana plates) designed and fabricated to meet or exceed the specific calculated loads to be placed.
- Not release any load that is not positively secure.
- Establish maximum wind speed restrictions concurrent with loads, site conditions and recognized safe industry practice.

Grounding Procedures:

- At the start of work on each isolated line section, the line will be tested and a 3-phase Master Ground set will be installed with approved "hot line tools".
- Until properly grounded, lines and equipment (including OHGW and OPGW) shall be considered energized.
- Step and touch potential will be monitored to ensure that hazardous step and touch voltages are not present when grounding lines for employee protection. We will ensure that changing conditions are monitored periodically to ensure employees are protected. Readings will be reviewed to help identify potential

hazards. Initially readings will be taken at the start of each day as grounds are applied. As job conditions progress and become clear, frequency may be changed after consultation with the COTR.

- A Personal Ground will be installed at each site where work is performed and the MAD will be encroached upon.
- At no time will employees be working more than two miles from a set of Master Grounds.
- All equipment will be grounded and grounds bonded together before it is used in proximity to energized or de-energized conductors.
- Ground leads shall be connected at the ground end before connecting to the de-energized part with hot line tools and removed in the reverse order.
- When grounds are connected together on the "cold" end, all conductor ends shall be disconnected from the conductor and moved to a point in the clear before any ground ends are disconnected.

- Ground leads shall be attached to one of the following; a tower ground, a grounding bar, or a driven ground, and shall be capable of conducting anticipated fault current. All grounding parts shall have a minimum conductance of No. 2/0 AWG copper. Grounding for personal protection shall not be accomplished through vehicles or equipment.

- Man-lifts, cranes, booms, and any other overhead lift equipment working in proximity to energized lines or equipment shall be grounded with 2/0 AWG copper ground cables before the boom is raised.

Safety Watcher:

A dedicated Safety Watcher shall be used at crane sites where the possibility of accidental contact or violation of the MAD exists with an ungrounded or energized line. WCC will supply sufficient qualified employees to take the BPA Clearance/Safety Watcher exam. While safety watching, these employees shall have no other duties.

Induction:

Grounds installed at multiple locations can cause circulating currents from hazardous induced voltages. These conditions can change due to line loading, weather, ground conditions and the installation and removal of additional grounds. We will monitor changing conditions as needed to ensure employee safety. When multiple crews are working on the same line section, direct radio connections shall be maintained between crews to monitor and measures taken to control such hazardous conditions. These additional measures may include, but are not limited to: removal of redundant grounds, opening ground switches, placement of bonds to OHGW's, and if necessary, separation of line sections to reduce coupling. At no time shall employees get between grounds, conductors or equipment that is not first bonded together.

Identification of Grounds:

We will employ an adequate ground identification and inventory system to insure that the location and status of each identified applied ground installed on the newly constructed line is positively accounted for. We shall inform and give positive and

documented assurance of the status and location of each inventoried ground before releasing any line section for operation:

- Each crew installing a three-phase Master Ground on the new line must fill out a grounding installation sheet.
- Grounds shall be removed before the line is released for operation. BPA Inspectors and the WCC crews issued tagged/numbered grounds must inventory those tagged/numbered grounds.
- Grounding installation sheets will be turned in at the end of each work day to the BPA Inspector and the WCC Superintendent.
- **If there is any discrepancy with the inventory count, the WCC Superintendent must visually inspect the line and verify location and position of any missing tagged/numbered grounds. He must then report the location and position of the grounds to the BPA Inspector.**

Hand-lines and Rope Used in Energized Corridors:
We will make every effort to ensure that hand lines and other rope used in energized corridors are maintained in as dry and clean a condition as possible in order to maintain a high resistance, dielectric condition. Hand lines and ropes shall not be left in work positions overnight.

Table 1, Minimum Approach Distances (MAD) for Qualified Electrical Workers

Nominal Voltage Phase to Phase	MAD WITHOUT Hold Order		MAD WITH Hold Order	
	Meters	Inches	Meters	Inches
600 V – 15 kV	.67	26	.67	26
34.5 kV	.72	28	.72	28
69 kV	.94	37	.94	37
115 kV	.97	38	.97	38
138 kV	1.07	42	1.07	42
161 kV	1.25	49	1.25	49
230 kV (1)	1.83*	72*	1.33	52
287 kV	1.58*	62*	1.50	59
345 kV	1.71*	67*	1.68	66
500 kV (2)	3.21*	126*	2.24	88
400 kV DC+ (3)	2.37*	93*	2.67	105
500 kV DC+ (3)	3.05*	120*	3.51	138
Fiber Optics (OPGW)	.61	24	.61	24
Insulated Overhead Groundwires	.61	24	.61	24

* The inadvertent movement factor (IMF) of 12 inches (0.3m), included in the MAD for worker motions, may be deducted at 230 kV and above, to specifically allow vehicles to safely pass under energized bus at those voltages. (Reverence Technical Services SPIF: S M MNAP-01)
(1) The MAD *without* a Hold Order for 230 kV exceeds the MAD for 287 kV & 345 kV because of the 3.3 p.u. switching surge overvoltages that are possible when 230 kV SF6 puffer circuit breakers reclose.
(2) On 500 kV lines equipped with zinc oxide arrestors or station rod gaps set to 55 inches (1.40m) and the reclosing relays cut out and a Hold Order in effect, the minimum approach distance is 88 inches (2.24m).
(3) The MAD *with* a Hold Order for DC voltages exceeds the MAD *without* a Hold Order due to the introduction of tools in the gap while performing live-line work. (Lower p.u. switching surges present at reclosing on DC are the same in both cases.)

Table 2, Minimum Approach Distances (MAD) for Non-Electrical Workers and Equipment

Minimum Approach Distances (MAD) For Non-Electrical Workers and Equipment	
Nominal Voltage Phase to Phase	MAD (in feet)
600v – 69 kV	10 ft
69 kV – 345 kV	15 ft
500 kV	19 ft
400 kV DC+ 500 kV DC+	19 ft
Fiber Optics (OPGW)	10 ft
Insulated Overhead Ground Wires	10 ft

Clearance/Hold Orders on Foreign Utilities:

The WCC Clearance Holder will notify the BPA Dispatcher when foreign utility Hold Orders and Clearances are obtained and when they are released directly from the foreign utility in accordance with the requirements in the BPA "Contractor Clearance and Hold Order" document.

Energized Line Crossings:

Guards shall be in place prior to conducting any work over energized high voltage lines. If a line is to be crossed, care shall be taken in the placement of cranes and extension of booms as guard structures so as to maintain minimum safe distances.

Accident/Incident Reporting:
Will be made to the BPA COTR and Safety Office on BPA form 6410.15e -available from the COTR. Near Miss Incidents will be recorded on form 6410.18e, reviewed with the crews for lessons learned and shared with BPA.

Miscellaneous considerations:
MSDS sheets for all products used by Wilson Construction Company will be kept on each job construction site. Wilson Construction Company makes available oil spill kits for equipment with hydraulic powered devices and on each job site. Each LZ shall have a large sized spill kit.

In summary, we will conduct daily tailboards, weekly safety meetings and regular project inspections. In special cases when a particular safety concern needs to be addressed, our safety officer will tailor a class specific to that subject.

Implementation of the overall safety program will belong to the Project Manager and Superintendent, supported by the safety officer. Any violations will be dealt with immediately to include the adjudication of the appropriate consequences. Questions or Comments about the Safety Plan may be directed to Mr. Ward Andrews, Safety Director, Wilson Construction Company, 503-263-6882.

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J. Mace Peveler

VP Major Projects & Project Development

Qualifications

Mr. Peveler's expertise includes estimating, contract administration, job costing, budgeting, customer relations and project closeout as they pertain to all types of electrical utility construction including transmission, fiber optics, and overhead and underground distribution. Prior to joining Wilson Construction, Mr. Peveler focused on expanding his knowledge in project estimating, project management, and project development. Mr. Peveler works proficiently in project forecasting and scheduling, as well as, working with Operations to get projects to construction. He also collaborates with Contract Administration, both internally and externally, from contract signing through project closeout.

Professional Qualifications

2005- Present	VP Major Projects & Project Development, Wilson Construction Company
2002-2005	Project Developer, Wilson Construction Company
1997-2002	Project Developer, Great Southwestern Construction
1992-1997	Division Estimator/Project Manager, Aldridge Electric, Inc.
1987-1992	District Estimator, The L.E. Myers Co. Western & Southern Divisions

Project Experience (Partial List)

Bonneville Power Administration, Wautoma – John Day Loop 500kV T-Line Construction
Southern California Edison, Bailey – Pardee 230kV Transmission Line Project
San Diego Gas & Electric, Miguel Mission 230kV Transmission Line Construction
Bonneville Power Administration, Thurston - McKenzi Line Relocation
Kauai Island Utility Cooperative, Port Allen – Koloa 69kV Transmission Line Project
Bonneville Power Administration, Taft – Thompson Falls Fiber Optic Cable Installation
Bonneville Power Administration, Big Eddy – Midway 230kV Transmission Line Construction
Four Dam Pool Power Agency, Swan Lake - Lake Tyee 138kV T-Line Intertie Foundation Work
Idaho Power Company, Caldwell – Locust 230kV Transmission Line Construction
El Paso Electric, Sonoma Ranch 115kV Transmission Line Construction
GE Wind Energy, Colorado Green Wind Farm 230kV Transmission Line Construction
Mirant Las Vegas LLC, Harry Allen-Apex 500kV Transmission Line Construction
Mirant, Las Vegas LLC, Harry Allen-Silver Hawk 500kV Transmission Line Construction
Public Service Company of New Mexico, Albuquerque-Clovis 345kV Line Construction
Bonneville Power Administration, Benton-Franklin 115kV Transmission Line Construction

Training & Accreditations

Texas A&M University – Ocean Engineering Major
Kilgore College – Engineering Major
Member – Association for the Advancement of Cost Engineering (AACE International)

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David Streetman

Assistant Project Manager

Qualifications

Mr. Streetman brings with him project management experience in the utility construction industry on which to expand with Wilson Construction Company. He is very proficient at costing and scheduling updates as well as all other facets of project management.

Professional Qualifications

June 2005 – January 2009 Smith Denison Construction Co. Livermore, CA
Project Manager / Estimator

- Projects include installation of underground utilities to mutli-family and single family housing, and roadway lighting improvements.
- General responsibilities include: reading plans and specifications, material takeoffs, building estimates, pricing materials, issuing purchase orders, project budgeting, and overseeing project.
- Managed aspects of projects from Bidding Stage to Project Completion.
- Responsible for estimating and bidding projects ranging from $15,000 to $3,300,000. Including public work and private work projects.
- Responsible for estimating, requesting, processing, and budgeting of change orders.
- Responsible for producing and maintaining all project schedules for the entire company.
- Gained experience in other areas including purchasing, crew scheduling, and dispatch.

May 1999 – January 2003 FSR Construction Fremont, CA
Summers and Winter Vacations only
Carpenter and Electrician Apprentice

- Oversaw construction projects including additions, renovations, and repairs.
- Worked extensively on structural repairs.
- Gained skills in Rough Carpentry, Electrical Work and Plumbing.

Training & Accreditations

Education

California State University, Chico

- Graduated in May 2005. With a Bachelor of Science in Construction Management.

Computer Skills

Proficient using Microsoft Projects 2003, Macromedia Dreamweaver MX, Primavera P3 and Contractor Scheduling software, Timberline Estimating, and all Microsoft Office applications. Experienced in using McCormick Electrical Estimator, Auto CAD 7.1, and HCSS Heavy Bid

Interests

Phi Delta Theta - Treasurer April 2003- May 2004

- Responsible for an annual budget of $25,000 while working as Treasurer
- Duties include filing taxes, preparing annual and quarterly budgets, bill paying, and maintenance of financial records.

Cal Xi Housing Corporation – Treasurer

- Responsible for an annual budget of $50,000.

Certifications

- Received - NECA Basic Estimating of Electrical Construction Certificate
- OSHA 10 Hour Safety Course Certified

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Gerald D. Turner

General Superintendent

Qualifications

Mr. Turner has worked in the line construction industry since 1983. During that time he has worked in nearly every capacity - from laborer through Superintendent to Operations Manager. His experience spans all aspects electrical utility construction and maintenance activities. Mr. Turner is a valuable asset to any team he works with.

Professional Qualifications

2009 - Present General Superintendent, Wilson Construction Company
- Responsibilities will include oversight of construction projects.

1993 – 2009 Operations Manager/General Foreman/Lineman, ILB
- Construction of Transmission and Distribution Lines in Oregon, Washington, Idaho, and California. Pole change-out and New Construction on Energized Distribution and Transmission Lines up to 230kV. Lattice Steel 500kV Construction. Experience in all aspects of helicopter operations.

1992 – 1993 General Foreman/Foreman, Job Line Construction
- General Foreman, Foreman, Journeyman Lineman
- Worked dead-ending 500kV Transmission Line between Medford and Roseburg.
- Construction of Transmission and Distribution Lines in the Western United States

1991 – 1992 General Foreman/Safety Representative, Brink Electric Company
- Safety Representative, Working General Foreman, Foreman, Journeyman Lineman
- Construction of Transmission and Distribution Lines in the Mid Western States

1987 – 1991 Foreman/Journeyman Lineman, Bart Associates
- Transmission Line Construction in the Western United States

1988 – 1989 Foreman/Journeyman Lineman, Great Southwestern Construction
- Various Transmission Projects Throughout Alaska
- Various Distribution Projects

1986 – 1987 Journeyman Lineman, Irby Construction Company
- Transmission Line Construction

1986 Journeyman Lineman, Humphrey Company
- Transmission and Distribution Line Construction

1983 – 1985 Apprentice Lineman, Transpower, Inc. and Tri-o Inc.
- Transmission and Distribution Line Construction

Licenses/Certifications

First Aid / CPR
OSHA 10-Hour T&D Training
OSHW 20-Hour T&D Training

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Sid Millman

Transmission and Helicopter Safety Specialist

Qualifications

Journeyman Lineman and Foreman with experience in energized and de-energized overhead and underground distribution class maintenance and construction using both stick and glove methods. New construction, rebuilds, voltage cutovers and upgrades, as well as storm restoration work. Switch and transformer bank installation and replacement. NESC /PUC compliance work.

Journeyman Lineman and Foreman with experience in energized and de-energized transmission and sub-transmission class construction and maintenance up to 765 kV. Energized maintenance using both hot stick and bare-hand method. Experience in single pole and multi-pole wood pole structure and steel lattice tower and steel pole erection, footer installation, conductor installation and maintenance including clipping, dead-ending, spacing and jumper installs, spacer cart work including mid-span inter-phase spacers.

- 500 kV bare-hand certification (SRP) -including ladder, cart, bucket and helicopter methods.
- Fiber Optic cable construction, installation and maintenance of both OPGW and ADSS cable.
- Substation construction and maintenance including both distribution class and transmission substations up to 500 kV and AC to DC rail substations. Experience working in energized substation environment.
- Helicopter based transmission construction and maintenance to 500 kV using both energized and de-energized procedures. Sock-line pulling, long-line material support, steel tower and wood pole construction-platform based maintenance and construction.
- Member of various IBEW, DOL and NTSB accident investigation boards
- Safety Manager-Bonneville Power Administration (BPA)-(1/99-8/07)
- Transmission and Helicopter Safety-Wilson Construction (WCC)-(9/07-present)

Licenses & Memberships

Oregon Utility Safety Committee (OUSC)
Helicopter Association International (HAI) UPAC safety committee
IEEE /PES
IBEW local 125
Past Member-IBEW local 125 Examining Board
Clark County FD 13(Engineer-volunteer firefighter)
NCEMS/Volcano Rescue Team-MRA certified technical rescue team

Education & Training

Journeyman Lineman/completed NEJATC DOL approved apprenticeship-February, 1976
B.A.-State University of NY at Binghamton-graduated June 1969/ additional course work-SUNY Graduate program and additional Labor Relations at Cornell School of Labor Relations and Oregon State LERC
OSHA Training Institute/ OSHA 510
OSHA Partnership/OSHA 10 and OSHA 20
Helicopter Foundation International (HAI)/Helicopter Safety Management, Flying in the Wire Environment-Utility Flight Operations
Live Line Training Certifications/ AB Chance, Georgia Power, SRP, BPA
AHERA (asbestos) Inspector certification/Clayton Environmental
Mobile and Overhead Crane-certified inspector, operator, and rigging/National Crane, Overton Crane
Rigging –WRRC, Crosby certified trainer
Forklift
FA/CPR
Washington State Fire Training Academy

National Safety Council-Defensive/Safe driving
IPTM Crash Scene Investigator
DOL Tort Claims Investigator
DOL Accident Investigator
DNV -Risk Assessment and Management
FEMA Emergency Management
Confined Space
LOTO
Wetlands Awareness

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Sierra M. Conder
Environmental Specialist

Qualifications

New to Wilson Construction in 2009, Sierra Conder has more than 5 years of experience working as a professional staff geologist and 8 years of construction monitoring experience. Her field experience evaluating soil conditions and education in geology has given her the practical knowledge to understand different soil types and the processes which cause erosion and sedimentation and how to prevent these from occurring. As a construction monitor, she has hands-on experience integrating best management practices into construction practices.

Professional Experience

Wilson Construction, Environmental Specialist: April 2009 - Present
Responsibilities on transmission projects include:

- Reviewing technical specifications and permits
- Construction monitoring for Environmental Compliance
- BMP Implementation
- Budgeting and Estimating
- Stormwater Pollution Prevention Plan Implementation
- Addressing environmental regulations and restrictions

Geocon Northwest, Inc., Staff Geologist: June 2000 – January 2009
Responsibilities on projects have included:

- Supervising construction crews, construction monitoring & quality control
- Slope stabilization using BMPs
- Evaluating soil conditions
- Project management
- Soil sampling and laboratory tests using ASTM procedures on specified soil samples
- Collecting field data and reducing data
- Proposal writing & bid estimating
- Reviewing technical specifications, drawings and permits
- Installing monitoring wells and sampling wells periodically
- Performing nuclear density tests on compacted material
- Technical report writing

Certification/Training

Certified Erosion Sediment Control Lead (CESCL) – April 2009
Nuclear Density Gauge Certification – March 2003
Geologic Society of America, member since October 2002
American Engineering Geologist, Member since September 2003

Education

B.S., Geology, *Portland State University*, Portland, OR 2003

WILSON
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Daniel D. Fitzgerald

Superintendent

Qualifications

With over 30 years in the electrical utility construction industry, Mr. Fitzgerald possesses all of the skills required to bring your project to completion successfully while meeting or exceeding project requirements.

Professional Qualifications

1979-1982	Groundman
1982-1985	Journeyman Lineman - Jobline
1986-1996	Foreman – International Line Builders
1997 - 2009	General Foreman / Superintendent – International Line Builders
2009 – Present	General Foreman / Superintendent – Wilson Construction Company

Distribution Skills

- 4kV – 34.5kV
- Pole Changeouts (Hot and Cold)
- Reconductors
- General Maintenance

Transmission Skills

- 69kV – 500kV
- Single Pole, H-Structure (Wood and Steel), Steel Monopoles
- Build and Set Lattice Steel
- Wire Pulling and Removal Work

Project Experience (Partial List)

Pacific Gas & Electric, 115kV Tower Reconductor Modification

Inland Power & Light, 69kV Snake River Crossings, Structure and Wire Replacement

Bonneville Power Administration, 115kV Pole Replacement Project

Bonneville Power Administration, Dayton – Lewiston Project

Avista Utilities, 230/115kV Steel Pole Replacement Project

Pacific Power, 115kV Weed Transmission Line Upgrade Project

Kansas Power & Light, Colby 345kV Transmission Line Project

Western Area Power Administration, Meeker – Craig 345kV Transmission Line Project

Brazo's Electric, San Antonio 345kV Double Circuit

Bonneville Power Administration, Garrison – Taft 500kV Transmission Line Project

Licenses/Certifications

Journeyman Card #D966494
CPR/First Aid Certified
OSHA T&D 10-Hour Card
OSHA T&D 20-Hour Card

WILSON
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Scott Snow

Wire Foreman

Qualifications

Mr. Snow has worked in the line construction industry since 1980. During that time he has worked in nearly every capacity - from laborer through foreman. His vast experience has provided the opportunity to learn both the power and the communication segments of the business. He has installed delicate fiber optics, bundled ultra high-voltage transmission conductor and most everything in between. His experience expands all aspects of both overhead and underground construction and maintenance activities. Mr. Snow values his training, experience and safety record, making him a valuable asset to any team he works with.

Professional Qualifications

April '04 - Present	Journeyman Lineman / Foreman, Wilson Construction Company
2002 – 2004	Journeyman Lineman / Foreman, H&H Utility Contractors
1998 – 2002	Journeyman Lineman / Foreman, Anderson & Wood Construction, Inc.
June '98 – July '98	Lineman, Winco Incorporated – Special Project
Feb. '98 – June ' 98	Journeyman Lineman / Operator, Great Southwestern Construction
1995 – 1998	Journeyman Lineman / Foreman, Anderson & Wood Construction, Inc.
1992 – 1995	Journeyman Lineman / Foreman, H&H Utility Contractors

Past Projects (Partial List)

American Electric Power, Hayden – Roberts 345kV Transmission Line
Alliant Energy, Hooper-Peetz-Logan 230kV Transmission Line
Grant County, WA PUD, Dock Crew Contract Work
General Electric Company, Inland Empire 500kV Substation
Southern California Edison, IEEC – Valley 500kV Transmission Line
Snohomish County, WA PUD, Emergency Storm Work 2007
Bonneville Power Company, Wautoma – John Day Loop
Bonneville Power Company, Swan Valley – Teton No. 1 & No. 2
San Diego Gas & Electric, Miguel – Mission 230kV Transmission Line
Idaho Power Company, Caldwell to Locust 230kV Transmission Line
Bonneville Power Company – Taft – Thompson Falls

Licenses/Certifications

IBEW Union Card #6183651
First Aid / CPR
OSHA 10-Hour T&D Training
OSHW 20-Hour T&D Training
Merchant Course – Job Training And Safety Program
Oklahoma Dept. of Vocational & Technical Education – Oklahoma Standard; Power Line Technician

WILSON
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Robert E. Slocum

Certified Erosion & Sediment Control Lead

Qualifications

Mr. Slocum has successfully fulfilled the requirement of Environmental Representative on past projects for Wilson. In this position, Mr. Slocum is responsible for compliance with project environmental requirements and applicable laws and regulations at the Federal, state and local levels. He is responsible for communicating and working with the COTR on any environmental issues that might arise during construction.

Project Experience

Bethabara-Statham Transmission Line Project, Georgia Transmission Corporation, March 2007-present. Environmental Inspector.

South Medford Interchange, PacifiCorp. June – August 2006. Environmental Representative, Land Liaison & Material Rep.

Mission – Miguel 230-kV Line Construction, SDG&E. January 2005 – May 2006. Environmental Representative - Responsible for implementing the project SWPPP, training, spill prevention, response, clean-up and disposal, and reclamation.

Raymond –Cosmopolis Line Rebuild Project, BPA. April – November 2004. Environmental/Land Liaison/Material. Responsible for tracking materials, coordinating with land owners & coordination on environmental mitigation and compliance between Wilson and BPA Environmental Representative.

Beacon-Rathdrum 230-kV Line Rebuild, Avista. Jun 2003 – April 2004. Environmental Representative, Land & Material Liaison. Responsible for environmental compliance, coordination with land owners, material tracking and sub-contractor coordination.

Professional Qualifications/Certifications

Certified Erosion & Sediment Control Lead, State of Washington, ID# 913084 (2003 – present)
Certified Erosion & Sediment Control Lead, Georgia Soil and Water Conservation Commission, 2007
CPR/First Aid

Work Experience

Environmental Inspector, Equip., Materials &Transportation / Land Liaison, Wilson Construction 1975-Present
Shop and Field Mechanic, R.C. Hughes Electrical Contractors 1970-1975
United States Army 1964-1966

Education

Pre-Mechanical Engineering Course 1965
Spokane Community College, Spokane, WA
North Central High School, Spokane, WA. 1964

WILSON
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Roger Thronson

Operator/Environmental Representative

Qualifications

Mr. Thronson recently has obtained his Erosion and Sediment Control Lead certification, which enables him to build on his best management practices expertise in the field. Trained as an Operator, Roger has considerable experience in the field working with line crews on construction projects. His experience as an operator and knowledge of erosion and sediment control practices makes him aware of the issues that can arise when exposed soil isn't stabilized.

Project Experience (Partial List)

Bonneville Power Administration, Bellingham – Snohomish Fiber Optic Construction Project

- Equipment Operator
- Recontouring and restoration of work sites

Portland General Electric, Emergency Storm Work 2008 - 2009

Puget Sound Energy, Emergency Storm Work 2008

Idaho Power Company, Starkey - Tamarack 230kV Transmission

- Equipment operator

Certifications

First Aid / CPR Certified
Construction Stormwater Best Management Practice Field Training -Dec 2008
Certified Erosion and Sediment Control (ID#12100813)

JATC Training 2008

- Hazard Communication
- Job Briefing
- Preventing Heat Stress at Work
- Rescue

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David B. Puntenney

Operator / Material Representative

Qualifications

Mr. Puntenney has worked with Wilson Construction Company off and on since 1992. In that time he's proven himself to be a valuable asset working as an operator. His duties have encompassed all aspects of road building, material management, ROW clearing, etc.

Project Experience (Partial List)

Grant County, WA PUD, Dock Crew Construction Contract 1998 - Present
Electric Smith, Pole Setting Project
Puget Sound Energy, Emergency Storm Work 2006
Shell/OPUS Puget Sound Refinery, Electrical Work at Guard Shack
Puget Sound Energy, Wanapum – Wind Ridge 230kV Transmission Line
Seven Sisters Construction, Puget Sound Refinery Work
Kootenai Electric Cooperative, Emergency Storm Work 2006
Puget Sound Energy, Emergency Storm Work 2006
Snohomish County PUD, Emergency Storm Work 2006
Grant County PUD, Emergency Storm Work 2006 - 2007

Certifications

First Aid / CPR Certified
CDL Certified
OSHA 10-Hour T&D Training
OSHA 500
JATC Training

- Hazard Communication
- Job Breifing
- Preventing Heat Stress at Work
- Rescue
- Minimum Approach Distance
- Equipment Grounding & Bonding
- Grounding De-Energized URD Lines & Equipment
- Arc Flash/Blast
- Backfeed Training
- Hazard Communication
- Personal Protective Grounding
- Traffic Violations & CDL Disqualifications
- Confined Space Training

Furulie,Grant J - NSSV-BELL-1

From: Reed, Carmen [creed@wilsonconst.com]
Sent: Friday, May 15, 2009 4:36 PM
To: Nishida,Glenn A - NSSV-MODW; Ratnathicam,Shantini - TELS-TPP-3; Furulie,Grant J - NSSV-BELL-1
Cc: Peveler, Mace
Subject: McNary-John Day Clarification Responses
Attachments: Record of Discussions - WILSON RESPONSES 5-15-09.pdf

Hello Everybody,

Wilson Construction Company is pleased to submit the attached information in response to the questions that BPA had regarding our original McNary-John Day proposal. Please do not hesitate to let us know if you have any additional questions or if you require any additional information. Thank you and have a great weekend!

Sincerely,

Carmen Reed
Senior Bid Administrator
Wilson Construction Company
1190 NW Third Avenue
PO Box 1190
Canby, OR 97013
Phone 503-263-6882
Fax 503-263-6946

creed@wilsonconst.com

www.wilsonconst.com

WILSON

"Building from our past, powering the present, with our vision on the future"

P0rice Proposal:

- The following items from Line Item 4, Rebuild Line – Rock Creek Segment appear low. Provide an explanation of the costs for
  - 4.3, Wire work including hardware.
  - 4.4, Retirement.

Upon further review, we inadvertently inserted the pricing for the installation work for the structures and conductor for item 4 – REBUILD LINE-ROCK CREEK SEGMENT into item 3 – LINE CONSTRUCTION-SEGMENT MILES 42-79. We have now lowered the pricing for item 3.....and increased the pricing for item 4.....to make the complete pricing schedule more "balanced". The total price for the project remains unchanged. (See attached revised pricing) We apologize for the confusion.

- Line Item 5, Material Management seems low. Provide an explanation of the cost and plan for managing the material yard.

We're confident we have the cost for the material yards covered for 3 years, or as long as required to complete the project. Pricing does include security and acquisition of additional staging yards as necessary for a successful project.

- Provide detailed breakdown of roadwork pricing.

Description	U/M	Price
Culverts	Linear Foot	$ 57.50 /LF
Gates	Each	$1,150.00 / EA
Geosynthetic Road Fabric	Linear Foot	$ 3.45 / LF
Phase 1 Aggregate Base Rock – Installed	Ton	$ 19.50 / Ton
Phase 2 Aggregate Base Rock – Installed	Ton	$ 20.75 / Ton

- Propose unit price for rock/per ton installed.

See above pricing.

- Provide the cost/lb of steel installed for future changes that will be made to Phase 2 leg extensions.

Pricing per pound of steel for changes will be $2.30/lb for additions and $2.00/lb for deletions

- Provide proposed markups and back up documentation for subcontractor work to be used for contract modifications.

Subcontractor work will be marked up at 15%.

Technical Proposal:

- Material Management: Confirm that your price includes all resources to run contractor operated material yards for three (3) year duration of project, including security and acquisition of additional yards that will be needed by Wilson.

We're confident we have the cost for the material yards covered for 3 years, or as long as required to complete the project. Pricing does include security and acquisition of additional staging yards as necessary for a successful project.

- Foundations: Your technical submittal gives very little indication that you understand the difficulties involved in foundation excavation in rock and steep slopes. BPA is aware that Wilson representatives left the bidders tour early.

Wilson representatives did leave the bidders tour early due to the fact that a thorough investigation of the site was not available at that time, which is understandable with the number of people in attendance. Wilson subsequently performed a thorough aerial survey, followed by a thorough site visit with our subcontractors.

- Provide a more detailed explanation in regards to the foundations.

Wilson and our subcontractors Ryno Works, Inc. fully understand what drilling and blasting on steep rugged terrain with existing power lines overhead entails. Our performances for BPA on the Palisades-Goshen and the Olympia-Shelton should attest to this.

- Please provide more information so BPA can better understand the basis of foundation work pricing:

Please see the attached TBH Work Plan. Additional information from Ryno Works and Wilson is listed below.

- Clarify statement "Pricing based on Geotech exploration information provided by BPA".

This statement simply means that no Geotech exploration has been performed by Wilson so our pricing is based on the information provided by BPA. The Geo-technical reconnaissance information is the sole source of rock identification and suspected locations provided by BPA. Any other assumptions on rock being present or not present are risky and unreliable for bidding purposes. We did not bid a "worst case scenario" regarding this. Should unforeseeable Geotechnical issues arise during construction, Wilson would expect that a collaborative and equitable resolution would be achieved between BPA and Wilson.

For the purposes of additional work where rock drilling and blasting is concerned we offer the following hourly rates:

Description	Hourly Rate
Atlas Copco D-7Roc Rock drill	$ 339.25
Ingersoll-Rand ECM Rock drill	$ 235.75
185 cfm compressor, hand drill, steels, bits, operator	$ 166.75
10 wheel tractor w/lowboy	$ 138.00
Service truck	$ 51.75
Licensed Blaster	$ 109.25
Laborer	$ 92.00
Explosives and Blasting Materials	Cost + 15%

- What excavation methods will be used for footing on steep slopes?

Please see the attached TBH Work Plan.

- What drilling methods and tools will be used to drill through rock in drilled shafts?

We propose to drill and blast the drilled shafts at the required diameters and depths. Ryno Works has years of experience drilling and blasting large diameter foundation holes for concrete footings. Our finished product will enable a drill excavate and remove blasted fragmented rock rather than trying to grind on hard monolithic formations.

- As no Geotechnical exploration was conducted by BPA (only geotechnical reconnaissance), provide a proposal/cost break down from TBH for plate and grillage foundations excavated in soil and rock.

Please see the attached TBH Work Plan.

- Provide more information on subcontractor TBH regarding their experience in this type of work, and

Please see the attached TBH Work Plan.

- Explain Wilson's role during the performance of all TBH work. Example: Who does surveys to set tower footings?

TBH will do the surveys to set the tower footings. Wilson's role during the performance of TBH will be to oversee all operations. Dan Fitzgerald will be onsite full time while all subs are performing work and Gerald Turner will also be onsite extensively.

- <u>Roads:</u>
  - Discuss plans for dust control.

Thompson Brothers will provide all of the water needed for compaction, and dust control will be maintained at all times on the portion of work being performed by them. Thompson Brothers will have a 3,500 gallon water truck on-site at all times and they have located various water sources for use during this project. Thompson Brothers has applied for permission from the Department of Ecology to draw water from the Columbia River. Mercer Ranches have offered to furnish water as well and they are in the process of contacting the various local municipalities (i.e., Roosevelt, WA; Plymouth, WA and the City of Umatilla, OR) about their procedures for purchasing water from them.

Dust control that is not related to road work will be performed by Wilson.

  - Who will install erosion control?

Thompson Brothers will install erosion control with oversight by Wilson's ESC Lead / Environmental Representative.

  - Thompson Brothers is no longer used by BPA due to past quality and supervision issues. All quality control issues are the responsibility of Wilson Construction Company. If this Thompson Brothers is used, your company must provide:
    - Full supervision of their work;
    - Make sure all rock meets specified quality and quantity; and,
    - Weight tickets must be submitted for rock.

Wilson Construction Company will be using Thompson Brothers on this project as they were included on the list of contractors who have Master Agreements for Road Work provided by BPA at the pre-bid meeting.

Wilson will comply with the three items noted above.

- Weather: Discuss any considerations you made for wind impacts and winter construction?

Wilson Construction will comply with the requirements for wind velocity as it affects flight operations as stipulated in the safety clause of the master agreement. Prior to the start of daily flight operations, maximum wind velocities will be established based upon meteorological conditions and aircraft loads/performance factors. This information will be provided to BPA Inspectors and conditions shall be monitored continuously. Should conditions exceed the established limits; operations will be suspended till conditions favorably change. It should be noted that maximum wind velocities are calculated daily and are dependent on numerous factors. Therefore, it is not in the best interest of BPA, WCC or our subcontractors to establish a set limit at this time.

- Other Concerns:

  - We assume that Wilson has a good understanding of the expenses involved in river crossing, as it was discussed in Safety plan. However, you do not discuss the river crossing in your work plan. Please provide an explanation of the river crossings in your work plan.

Wilson will contact the US Coast Guard regarding commercial traffic, we will also have boats stationed in the river to keep public boating in the river out from under the line during flying and pulling operations. Wilson Construction has performed multiple river crossing projects in the past for BPA without incident across the Columbia and Snake Rivers.

  - Discuss cost impact on borrowing owl surveys if any.

The MIT states that BPA will be responsible for conducting and paying for the burrowing owl surveys. We only know that these surveys will be conducted in the following areas: 3/1 to 5/5; 6/1 to 12/6; 13/1 to 13/5; 16/1 to 21/4; 22/1 to 23/5; 24/1 to 27/5; 29/1 to 30/1; 62/1 to 63/6; and 76/1.

We don't know the cost implication of the surveys because we don't know the results. We are certain that BPA would NOT have wanted us to price the job based on a "worst-case scenario". If burrowing owls are discovered in any of these areas, we will have to reevaluate how we schedule our work. At that time we can determine what the cost impacts would be (if any). If a burrowing owl is found, from Feb 1st to August 31st there is to be a 250 ft. "no disturbance" buffer around the burrow.

  - Work plan does not mention ADSS fiber, which is on most of project, except OPGW at the river crossing.

This was inadvertently left out of the work plan, however, Wilson has strung literally hundreds of miles of ADSS fiber for BPA without incident.

- Key Personnel:

  - Based on past performance, your management has been cooperative and good to work with. However, BPA is concerned why Wilson has not proposed their "A Team" for key personnel for this important project.

Wilson Construction Company would like BPA's definition of "A Team". Wilson is an "A" contractor and, as such, all of our employees are of the highest quality in the industry. We do not bid a project that we cannot adequately man and we would never approach a project of this magnitude with anything less than a 100% commitment to success. Key Personnel for all projects is assigned based on their strengths compared with the project requirements. This has been and will always be our approach to manning our projects.

- Key field persons appear new to Wilson company.

Any key field personnel that are new to Wilson are not new to the industry and have been chosen to join the Wilson Team based on their record of safety and success. Both Dan Fitzgerald and Gerald Turner were part of the Garrison – Taft 500kV construction crew. Additionally, they both have extensive 500kV line experience for WAPA (TANC 500kV Lattice Project for WAPA from Maxwell – Tracy, CA). Additional work experience is listed on the resumes as submitted with our proposal. Both Gerald Turner and Dan Fitzgerald have worked on many, many BPA projects in the past with successful outcomes.

- How much time do you expect Sid Millman and Gerald Turner to be in the field?

Wilson's Safety Department, including Sid Millman, will conduct random site visits and will maintain a strong presence on this project.

Gerald Turner will be on-site on a regular basis. He, along with out other key personnel will also be reviewing site safety at all times.

- Land Liaison Role will be very important in this project. We have experienced problems on past projects with your proposed person. Request you submit a replacement with his/her qualifications.

Bob Slocum has performed exceptionally as Land Liaison for Wilson and is the representative of choice for many of our customers. Bob has performed for BPA on the Raymond-Cosmopolis, Chehalis-Raymond, McNary-Badger Canyon, and Benton-Franklin #1 & #2 projects. At no time have we received any complaint, written or otherwise, from BPA regarding his work. Please explain why this has never been brought up to Wilson before and how BPA justifies asking us to replace someone that does a fantastic job for us on projects all over the country.

- Sierra Condon appears to lack qualifications to be the ESC Lead. Please provide all qualifications to ensure this person meets the minimum shown in Standard Technical Specification Article 02.02.05.

Sierra Conder meets all of the qualifications listed in Standard Technical Specification Article 02.02.05. See below (Items listed in bold are Sierra's qualifications as taken off of her resume that was submitted with our proposal):

02.02.05 B. Qualifications

1. Successful completion of one of the following professional coursework:
   a. WSDOT – Construction Site Erosion and Sediment Control Course - **Certified Erosion Sediment Control Lead (CESCL) – (ID#4290911/Exp 4/2012)**
   b. ODOT 16-hour ESC Course
   c. Equivalent course…
2. Experience in the prevention and control of construction –caused pollution from petroleum, hazardous materials, and construction wastes.
   - **Supervising construction crews, construction monitoring & quality control**
   - **Slope stabilization using BMPs**
   - **Evaluating soil conditions**
   - **Soil sampling and laboratory tests using ASTM procedures on specified soil samples**
   - **Collecting field data and reducing data**
   - **Installing monitoring wells and sampling wells periodically**
   - **Performing nuclear density tests on compacted material**

3. Have a minimum of 3 years construction site experience in the evaluation, installation, inspection, maintenance, and modification of temporary and permanent erosion and sediment control products for slopes, watercourses, clearing, road construction improvement, and excavation.

   Geocon Northwest, Inc., Staff Geologist: June 2000 – January 2009
   Responsibilities on projects have included:
   - **Supervising construction crews, construction monitoring & quality control**
   - **Slope stabilization using BMPs**
   - **Evaluating soil conditions**
   - **Project management**
   - **Soil sampling and laboratory tests using ASTM procedures on specified soil samples**
   - **Collecting field data and reducing data**
   - **Proposal writing & bid estimating**
   - **Reviewing technical specifications, drawings and permits**
   - **Installing monitoring wells and sampling wells periodically**
   - **Performing nuclear density tests on compacted material**
   - **Technical report writing**

   Certification/Training

   Certified Erosion Sediment Control Lead (CESCL) – (ID#4290911/Exp 4/2012)
   Nuclear Density Gauge Certification – March 2003
   Geologic Society of America, member since October 2002
   American Engineering Geologist, Member since September 2003

Again, Wilson has always been, and will always be, a responsible contractor that provides nothing but the best personnel on our customers' projects. All of the personnel that are recent additions to Wilson have performed exceptionally on previous and current Wilson projects. They are not new to the industry and they are not so new to Wilson that the McNary-John Day project would be their first project assignment. Even so, Wilson management will be guiding them throughout the construction process to ensure that the "Wilson way" is thoroughly learned and implemented; Tim McCulloch will be guiding the field crews as he always does and Leslie Kelleher will be guiding the environmental representatives as she always does. The knowledge and experience that Wilson has managing projects of this magnitude will be put into full force and effect. Wilson Construction Company would like to provide our assurance to BPA that the key personnel listed will meet or exceed BPA's expectations.

- Construction Schedule: Please attached revised schedule
  - You do not devote much time to river crossing towers. It appears you only allow five days for footings. Please explain.
  - Clarify Rock Creek – John Day relocation. Schedule shows erection and removal at same time during the outage. Please acknowledge this will be corrected on the construction schedule.
- Work schedule: Clarify holiday work.

Holiday work would be any work that falls on a holiday as recognized by the IBEW Local 77 Agreement.

SCHEDULE OF PRICES					
MCNARY - JOHN DAY TRANSMISSION LINE CONSTRUCTION					
Item No.	Description	Estimated Quantity	Unit of Issue	Unit Price	Total
1	**Access Road Construction**				
1.1	Phase 1	1	JB		$ 1,568,165.00
1.2	Phase 2	1	JB		$ 1,957,220.00
		Total for Line Item 1		**$**	**3,525,385.00**
2	**Line Construction-Segment Miles 3-42**				
2.1	Foundations				
2.11	Grillages at each leg on 14 DE towers	56	EA	$ 8,830.00	$ 494,480.00
2.12	Rest of footings	1	JB		$ 2,559,605.00
2.2	Towers				
2.21	Str. 23/3 & 23/4	1	JB		$ 209,575.00
2.22	Rest of towers	1	JB		$ 7,511,635.00
2.3	Wire work including hardware, markers etc.	1	JB		$ 4,266,695.00
2.4	Fiber	1	JB		$ 489,485.00
		Total for Line Item 2		**$**	**15,531,475.00**
3	**Line Construction-Segment Miles 42-79**				
3.1	Foundations				
3.11	8 ft dia drilled shaft, 30 ft deep at each leg on 75/2				
	Soil drilling	8	LF	$ 415.00	$ 3,320.00
	Rock drilling	112	LF	$ 915.00	$ 102,480.00
3.12	6 ft dia drilled shaft, 40 ft deep at each leg on 76/1				
	Soil drilling	40	LF	$ 415.00	$ 16,600.00
	Rock drilling	120	LF	$ 715.00	$ 85,800.00
3.13	8 ft dia drilled shaft, 30 ft deep at each leg on 76/2				
	Soil drilling	80	LF	$ 1,320.00	$ 105,600.00
	Rock drilling	40	LF	$ 1,650.00	$ 66,000.00
3.14	6 ft dia drilled shaft, 25 ft deep at each leg on 10 DE's				
	Soil drilling	160	LF	$ 495.00	$ 79,200.00
	Rock drilling	840	LF	$ 770.00	$ 646,800.00
3.15	4 ft dia drilled shaft, 18 ft deep at each leg on 9 Sus. Towers				
	Soil drilling	144	LF	$ 495.00	$ 71,280.00
	Rock drilling	504	LF	$ 745.00	$ 375,480.00
3.16	Grillages at each leg on 10 DE towers	40	EA	$ 8,830.00	$ 353,200.00
3.17	Rest of footings	1	JB		$ 2,945,835.00
3.2	Towers				
3.21	River crossing tower 75/2	1	JB		$ 269,370.00
3.22	River crossing tower 76/1	1	JB		$ 434,700.00
3.23	River crossing tower 76/2	1	JB		$ 329,870.00
3.24	Rest of towers	1	JB		$ 7,635,000.00
3.3	Wire work including hardware, markers etc.	1	JB		$ 4,426,085.00
3.4	Fiber	1	JB		$ 540,550.00
		Total for Line Item 3		**$**	**18,487,170.00**
4	**Rebuild Line- Rock Creek Segment**				
4.1	Foundations				
4.11	Grillages at each leg on 3 DE towers	12	EA	$ 7,025.00	$ 84,300.00
4.12	Rest of footings	1	JB		$ 39,600.00
4.2	Towers	1	JB		$ 447,760.00
4.3	Wire work including hardware	1	JB		$ 166,720.00
4.4	Retirement	1	JB		$ 266,160.00
		Total for Line Item 4		**$**	**1,004,540.00**
5	**Material Management**	1	JB		$ 315,000.00
	GRAND TOTAL CONTRACT PRICE FOR ITEMS 1 - 5			**$**	**38,863,570.00**

TBH Associates – (b) TECHNICAL/MANAGEMENT PROPOSAL

TBH Associates – (1) Work Plan – FOUNDATION CONSTRUCTION

Work Site Constraints

TBH and Associates has extensive experience in rock excavation and steep slopes related to the careful completion of shored excavations, drilled shafts, rock anchors under stringent health, safety and environmental standards. The development of our work plans, cost estimates and schedules takes into account this project's specific requirements for ecological, agricultural and cultural resource protection. The safety of the public and the work place personnel is also accounted for in this pre-award phase. For additional information about specific work experience see our website www.tbhdrill.com services / drilled shafts, micropiles and shoring systems.

TBH will coordinate closely with the **Contractor** to assure fulfillment of these specific criteria and special factors governing performance on and near the project:

1. Avoidance of Designated "Sensitive Areas" per the Mitigation Table
2. Protection of identified resources within those areas
3. Secure Added Site Clearances where determined by **COTR**
4. Observe Timing Restrictions w.r.t. helicopters, pesticides and crops.
5. Participate and cooperate with the project dust abatement plans.
6. Comply with Equipment Washing controls w.r.t. noxious weeds.
7. Adhere to strict controls for erosion and sedimentation.
8. Implement strict procedures for wildfire prevention and suppression.

TBH will also actively cooperate with **BPA** and **Contractor** to assure cooperation and good communication with the tribal government, land owners, other agencies and foreign utilities. Special conditions do exist that will require outages, hold orders, access permits and clearance. **TBH's** scheduling, in concert with the **Contractor**, will provide sufficient time to process and implement those arrangements. **TBH** expects considerable attention given to the agricultural enterprises along the alignment. The potential risk from the hazardous pesticide application will be carefully monitored.

Here are some of the expected **TBH** actions:
1. Attend **Contractor** periodic planning and coordination meetings.
2. Attend land owner meetings as the work progresses.
3. Provide advance scheduling to coordinate Site Monitoring with the **COTR**.
4. Collaborate with the **COTR**, Tribal Monitor and tribal representatives.
5. Maintain contact with WSDOT and Railroads as appropriate.

Foundation Construction Plans

We have prepared a baseline assessment of each foundation site based on our estimating and planning activities, including review of the geotechnical information and site inspection, we have categorized all tower leg footings as either a) grillage/plate, b) "rock," or c) drilled shaft. This breakdown is based on our choice of equipment and installation methods. **TBH** plans to provide a crew for each footing type. This specialization permits **TBH** to optimize production and improve efficiency. See enclosed spread sheet in the appendix.

We included examples of our shored excavations, drilled rock anchors and drilled shafts in the Appendix. With the cooperation of the **Contractor, TBH** will develop a work sequence for each sub-Phase of the project. Access road development and maintenance must precede footing construction in the same form.

TBH has the key equipment and experience for this project in-house. It expects to mobilize these tools:

Crew 1 - Plate and Grillage :

- - CAT 330 Excavator w/ breaker/hammer attachments
- - CAT 320 Excavator (backfill)
- - Front End Loader, Track

Crew 2 - Drilled Rock Footings:

- - CAT 330 w/ mounted TEI Rock Drill
- - 5" Down Hole Hammer / breaker attachment
- - IR 900 cfm Compressor

Crew 3 – Drilled Shaft Footings:

- - CAT 330 Excavator w/ mounted LoDril – DH80 mounted
- - Soilmec, IMT or Casagrande Vertical Drill as req'd.
- - Rough Terrain 40ton Crane
- - CAT D-4 Dozer

Drill tooling: TBH has an assortment of over 75 drill tools for drilled shaft construction including corebarrels, rock augers, digging buckets, and down the hole hammers. Reference pictures in the appendix.
Support Equipment: grout mixers, pumps, generators, compressors, off-road dump truck, boom truck, compactors, transport truck/trailer, water truck.

Attached in the appendix is a sample drilled shaft procedure.

TBH also identified the rock fall and slope stability as serious hazard sources. Mitigation of this risk will occur first at the footing by means of shoring, fencing, and benching. TBH has effectively designed and installed slope/rock fall slope protection systems. Use of rock fall netting and ground anchors will be used. Shoring box systems such as those supplied by DP Nicoli will be used. Reference appendix photos.

The secondary mitigation actions will be at the point of exposure to the public roads and highways as well as the construction access roads; "Jersey" barrier, rock fall fencing or similar protective measures will be employed. For highway work temporary direction and direction of traffic measures will be planned for and implemented, including flaggers if necessary.

The fact that all **TBH** drill tools are track mounted is an important advantage for this project. The stability afforded by that type of undercarriage provides a safer work space, better productivity and an almost weatherproof operation.

TBH understands the difficulty presented by a project site almost 80 miles long. Preliminary work was done during the estimation of the work to prepare for multiple sub-staging sites for crew assembly, material marshalling and equipment storage. **TBH** has communicated with each of the Contractor's to coordinate access and use of their intermediate laydown areas. To reduce the length of logistics lines, **TBH** will equip its crews for self-sufficiency as much as possible. It is anticipated that in addition to the footing production crews, a full time service team will provide material delivery, equipment service and general administrative support.

To assure to the quality of internal project communication, **TBH** will equip each of its work units with mobile radios under the intent of Specification (24-12M) (BPI 24.5.3.9). Depending on the availability and quality of telecommunication equipment in the area, at least one of the **TBH** supervisors will also have mobile broadband internet connectivity. From previous experience, this greatly enhances the flow of useful information from Owner to Prime Contractor to Sub-Contractor.

TBH recognizes that portions of the project have challenging timelines. Those concerns will be discussed under the following topic – CONSTRUCTION SCHEDULE.

TBH is an experienced contractor for drilled shafts, excavation shoring and ground anchors. **TBH** has specific **BPA** project experience under similar conditions and structures at Hermiston Oregon, Calpine McNary. Mr. Michael Hoffman was the COTR for that project. Our completed projects include many projects with details like this one. Others include:

- Portland Aerial Tram: 200 drilled shafts in difficult access conditions and rock. Kiewit, Bruce Patterson 360-693-1478

- Pacificorp, Mike Strickler
- Aadland Evans, Ted Aadland

Please refer to our introductory data in the Appendix and www.tbhdrill.com for more project experience.

TBH Associates – (3) Work Schedule – FOUNDATIONS

TBH estimated the cost of the work based on:

7:00 AM to 5:30 PM Monday thru Friday

TBH DID NOT make allowance for any added costs for BPA inspection.

TBH expects at least a portion of the footing work for the FALL 2010 Rock Creek – John Day No.1 scope of work will be done under the outage conditions and on an extended work day/week basis. That cost is estimated at:

10 hours per work day Monday thru Saturday

TBH DID NOT make allowance for the any added costs for BPA inspection.

TBH understands that if it determines work outside these planned hours and days becomes necessary, timely application must be made to the **COTR** to enable planning for the inspection services.

ADDED NOTE:

Labor / Management

TBH acknowledges the PROJECT AGREEMENT, April 17, 2009 between the IBEW and NECA for this project. **TBH** has experience working within these agreements and will comply with the conditions of the collective bargaining agreement for its workers.

TBH has been a signatory union contractor firm in good standing for 11 years.

TBH Associates – (4) Safety Plan – FOUNDATION CONSTRUCTION

TBH Safety Statement of Commitment

TBH will provide the safest possible work environment and take action to prevent injury to our employees. We are dedicated to a safety plan which:

- Promotes a philosophy that safety is a priority associated with every task
- Provides an active drug and alcohol prevention plan including pre-employment screening and random testing.
- Promotes a work environment based on employee involvement, ownership, teamwork, education and leadership
- Increases safety awareness by focusing on hazards associated with falls, struck-bys, caught-ins, explosion/electrocution(s).
- Reduces the incidence of accidents and injuries
- Provides specialized training
- Establishes a company wide emphasis on worker well being
- Promotes an atmosphere of open communication regarding all safety issues.
- Reinforces the obligation of all employees to "actively care" about their fellow workers.
- Is willing to discipline for unsafe work practices
- Improves the company overall safety attitude.

The TBH HSE Plan (Health, Safety and Environment) provides the general framework to deliver on that commitment.

On each project TBH makes careful analysis of the specific hazards to worker health, personal safety and environmental quality. From those findings a Project Specific HSE Plan is produced and implemented.

Based on the Request for Offer data and our field investigations, TBH identifies these elements as potential focus hazards:

1. Conducting difficult rock blasting adjacent to the energized corridor
2. Operating heavy equipment on steep, rocky, irregular terrain
3. Accessing the tower sites on and off public highways – multiple times
4. Shoring deep structure excavations in geologically variable conditions
5. Underground gas and irrigation facilities near tower footings
6. Working in close proximity to agricultural operations and busy highways

Attached is the preliminary version of the TBH JHA for these hazards. After award of the work TBH will complete the analysis and develop a completed JHA set for all cases, including the special ones shown on the following example.

TBH Associates – (5) Key Personnel – FOUNDATION CONSTRUCTION

TBH Management and Supervision – Resumes are in Appendix

Project Director – Peter Tapio, President

- Michigan Technological University, Civil Engineering, B.S.
- 15 years relevant experience gained working for Mortenson Construction and as principal of TBH and Associates.
- Member and participant in educational programs of the American Concrete Institute, Structural Engineers Association of Oregon, Deep Foundations Institute, American Society of Civil Engineers and Assoc. Of Drilled Shaft Contractors (ADSC).
- Project experience from projects in Washington, Oregon, Idaho, Alaska and Montana.

Project Manager – Sam Slechta, Sr. PM

- Oregon State University, Construction Engineering Management, B.S.
- 11 years relevant experience gained working for General Construction Co., Western Paving and Construction and TBH and Associates.
- Training and certification as Competent Person, Forklift Operator, CRP, First Aid, Open Water Advanced Diver.
- Project experience completing work for Port of Portland, US Coast Air Guard, UPRR, ODOT, WSDOT and utilities.

Foundation Superintendent – Dave Sjoden, Project Supt.

- Portland Community College – Commercial Construction Certification
- 19 years relevant experience gained working for Frontier/Traylor Const. JV, JF Shea Const., Condon-Johnson and Assoc., 5 years with TBH and Associates.
- Training and certification as First Aid, CPR, Forklift Operator, Competent Person, Drill Rig Operator, Shotcrete Nozzleman.
- Project Experience from projects such as, Portland Zoo Lightrail Station, Tolt River Project access shafts, Port of Vancouver terminal walls, City of Tacoma second water supply secant shafts, WSDOT rock bolting SR 14, City of Portland soldier pile wall at underground parking, BP Energy Terminal 22 Portland,

Surveyor, Gary R. Graefe – see attached resume.

- 38 years surveying experience concentrated in all aspects of electrical transmission and construction surveys. Currently completing the survey on BPA Olympia to Shelton project for ILB.

Project Engineer/Coordinator – Paul Rave, Equipment Mgr.

- Centralia Community College – Business Management, computer applications, CAD
- Education on computer technologies for electrical and hydraulic mechanical systems at John Deere, Valmet, Timbco, Denarco…
- Training at the ADSC Ground Anchor Micropile Construction Course.

- 12 years relevant experience principally in the use and maintenance of heavy hydraulic and mechanical equipment. Recently estimating, managing and supervising drilled shafts, excavation shoring systems, ground anchors. Specializes in logistic support and materiel supply.

TBH Associates – (6) Subcontracting Plan – FOUNDATION

Survey:

Olson Engineering: used as third party survey verification.

TBH Associates – (7) Cost Savings – FOUNDATION

TBH developed these suggestions to produce improved results for **BPA** and potentially reduce the project costs. These concepts are directed toward the **BPA** objective of a "Best Buy" selection.

TBH Cost Saving Proposals:

1. Accelerated Progress Payment Schedule:

Reflecting the current "tight" financial market it is proposed that progress payments be made two times per month. This procedure is being adopted widely in the energy and utility industry to eliminate the added "cash flow" costs to the contractors and provide that same relief to the subcontractors and suppliers.

> **TBH** estimates the value of the proposal at 0.5% to 1.5% of the project payments.

2. Refined use of the BPA footing design choices for Phase #2:

TBH did preliminary foundation and geologic analysis to consider the effect of substituting drilled rock footings for the planned for grillage/plate footings. Because TBH specializes in ground anchor installation it can offer refinement to the design/construction approach for this proposal. We are equipped to perform "each-anchor" load verification as the design is finalized and the work progresses.

Previous concern for the lateral load characteristics of these tower anchors can be achieved with the BPA's modified transition support element. See "Rock Footing Detail" Sheet 263251 Rev 8.

TBH intends to perform a preliminary exploratory test hole at each suspected rock footing. Using this inventory the footing choices could be made and material orders made well in advance of the Phase #2 construction dates.

Potential Savings:

(1) Safety – on the steep rocky sites the drilled anchors eliminate large open excavations, reducing shoring and bracing, reduce risk of rock fall and shorten duration of worker exposure to these dangerous conditions.

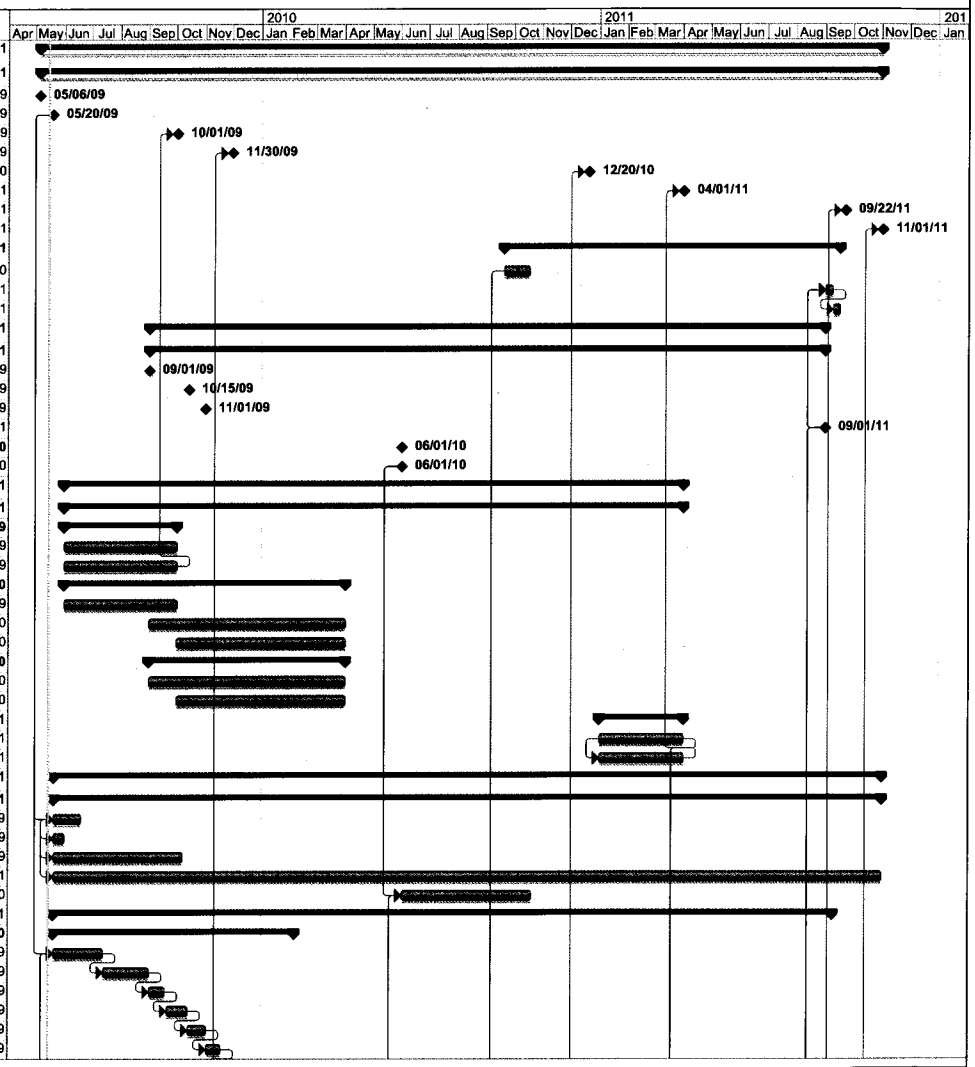
(2) Higher Productivity – the drilled anchors can be installed in a shorter overall time frame and require much less logistics support.

(3) Lower Unit Cost – the drilled anchor cases do not carry a contingency for rock excavation (Blasting), the total time for installation compared to a plate or grillage footing is substantially less, backfill and preparation for the tower erection may also be favorably impacted.

(4) Higher Factor of Structural Safety – principally as a result of our "each-anchor" load verification, lateral, tension and compression load capacities are known to a greater degree of confidence. Computed factor of safety should be theoretically higher. Conceptually, connecting a tower to bedrock using the BPA "Rock Footing" detail cited as opposed to planting a plate or grill on top of bedrock could be a superior solution.

Wilson Construction Company
McNary - John Day No. 1 500kV Transmission Line Construction
Project Schedule

ID	Task Name	Duration	Start	Finish
1	**BPA - John Day - McNary 500kV Transmission Line**	**780 days**	**Wed 05/06/09**	**Tue 11/01/11**
2	**Project Milestones**	**780 days**	**Wed 05/06/09**	**Tue 11/01/11**
3	Award Release	0 days	Wed 05/06/09	Wed 05/06/09
4	Issuance of Notice to Proceed	0 days	Wed 05/20/09	Wed 05/20/09
5	All Phase 1 Material Recieved	0 days	Thu 10/01/09	Thu 10/01/09
6	Complete Tower Erection for 3/2 to 13/2 by 12/1/2009	0 days	Mon 11/30/09	Mon 11/30/09
8	Substantial Completion - Phase 1	0 days	Mon 12/20/10	Mon 12/20/10
7	All Phase 2 Material Recieved	0 days	Fri 04/01/11	Fri 04/01/11
9	Substantial Completion - Phase 2	0 days	Thu 09/22/11	Thu 09/22/11
10	Project Final Completion & Energization	0 days	Tue 11/01/11	Tue 11/01/11
11	**Outage Dates**	**360.9 days**	**Mon 09/20/10**	**Fri 09/16/11**
13	Rock Creek - John Day #1 500kV	28 days	Mon 09/20/10	Mon 10/18/10
14	Horse Heaven - Harvalum #1 500kV & McNary - Ross #1 345kV	7 days	Thu 09/01/11	Thu 09/08/11
12	Ashe - Marion #2 500kV & Ashe - Slatt #1 500kV	7 days	Fri 09/09/11	Fri 09/16/11
15	**Work Restrictions**	**625 days**	**Tue 09/01/09**	**Thu 09/01/11**
16	**Phase 1**	**625 days**	**Tue 09/01/09**	**Thu 09/01/11**
19	Access Roads, Crossing and Approach Permits, Acquired	0 days	Tue 09/01/09	Tue 09/01/09
18	Structures 7/3 - 7/5 Work Restrictions	0 days	Thu 10/15/09	Thu 10/15/09
20	Additional right of way for Towers 24/4 to 27/3, Acquired	0 days	Sun 11/01/09	Sun 11/01/09
17	No Footing Work on ATA 119 (23/3) and ATA 120 (24/4) until Spring 2011	0 days	Thu 09/01/11	Thu 09/01/11
21	**Phase 2**	**0 days**	**Tue 06/01/10**	**Tue 06/01/10**
22	Access Roads, Crossing and Access Permits, Additional Right of Way, Acquired	0 days	Tue 06/01/10	Tue 06/01/10
23	**Material Procurement**	**575 days**	**Mon 06/01/09**	**Fri 04/01/11**
24	**BPA - Provided Material**	**575 days**	**Mon 06/01/09**	**Fri 04/01/11**
25	**Material Delivery - Segment 3/2 to 42/1 - Phase 1**	**106 days**	**Mon 06/01/09**	**Thu 10/01/09**
26	Steel Towers & Footings	106 days	Mon 06/01/09	Thu 10/01/09
27	Conductors, Hardware, Insulators, OHGW, & OPGW	106 days	Mon 06/01/09	Thu 10/01/09
28	**Material Delivery - Segment 42/1 to 75/2 - Phase 2**	**262 days**	**Mon 06/01/09**	**Thu 04/01/10**
30	Conductors	106 days	Mon 06/01/09	Thu 10/01/09
29	Steel Towers & Footings	183 days	Tue 09/01/09	Thu 04/01/10
31	Hardware, Insulators, OHGW, & OPGW	157 days	Thu 10/01/09	Thu 04/01/10
35	**Material Delivery - Segment 76/3 to 79/3 - Phase 2**	**183 days**	**Tue 09/01/09**	**Thu 04/01/10**
36	Steel Towers & Footings	183 days	Tue 09/01/09	Thu 04/01/10
37	Conductors, Hardware, Insulators, OHGW, & OPGW	157 days	Thu 10/01/09	Thu 04/01/10
32	**Material Delivery - Segment 75/2 to 76/2 - Phase 2**	**78 days**	**Sat 01/01/11**	**Fri 04/01/11**
33	Steel Towers & Footings	78 days	Sat 01/01/11	Fri 04/01/11
34	Conductors, Hardware, Insulators, OHGW, & OPGW	78 days	Sat 01/01/11	Fri 04/01/11
38	**Construction**	**766.1 days**	**Thu 05/21/09**	**Tue 11/01/11**
39	**Site Work / Environmental**	**766 days**	**Thu 05/21/09**	**Tue 11/01/11**
40	Mobilization	26 days	Thu 05/21/09	Sat 06/20/09
41	Setup Material Yards	10 days	Thu 05/21/09	Tue 06/02/09
42	Build Access Roads - Phase 1	120 days	Thu 05/21/09	Thu 10/08/09
44	Maintain Access Roads, Environmental, SWPPP	766 days	Thu 05/21/09	Tue 11/01/11
43	Build Access Roads - Phase 2	120 days	Wed 06/02/10	Tue 10/19/10
45	**Build New Line - Segment 3/2 - 42/1 - Phase 1**	**721 days**	**Thu 05/21/09**	**Thu 09/08/11**
46	**Foundations & Footings**	**224 days**	**Thu 05/21/09**	**Fri 02/05/10**
47	ATA 20 (3/2) - ATA 69 (13/2)	46 days	Thu 05/21/09	Mon 07/13/09
49	ATA 70 (13/3) - ATA 123 (24/2)	43 days	Tue 07/14/09	Tue 09/01/09
48	ATA 20 (3/2) ,ATA 24 (3/6),ATA 30-39 (5/2 - 7/2), & ATA 42 (7/5)	15 days	Wed 09/02/09	Fri 09/18/09
51	ATA 70 (13/3) - ATA 123 (24/2)	20 days	Mon 09/21/09	Tue 10/13/09
50	ATA 126 (24/5)- ATA 138 (27/3)	17 days	Wed 10/14/09	Mon 11/02/09
52	ATA 139 (27/4) - ATA 150 (29/6)	14 days	Tue 11/03/09	Wed 11/18/09



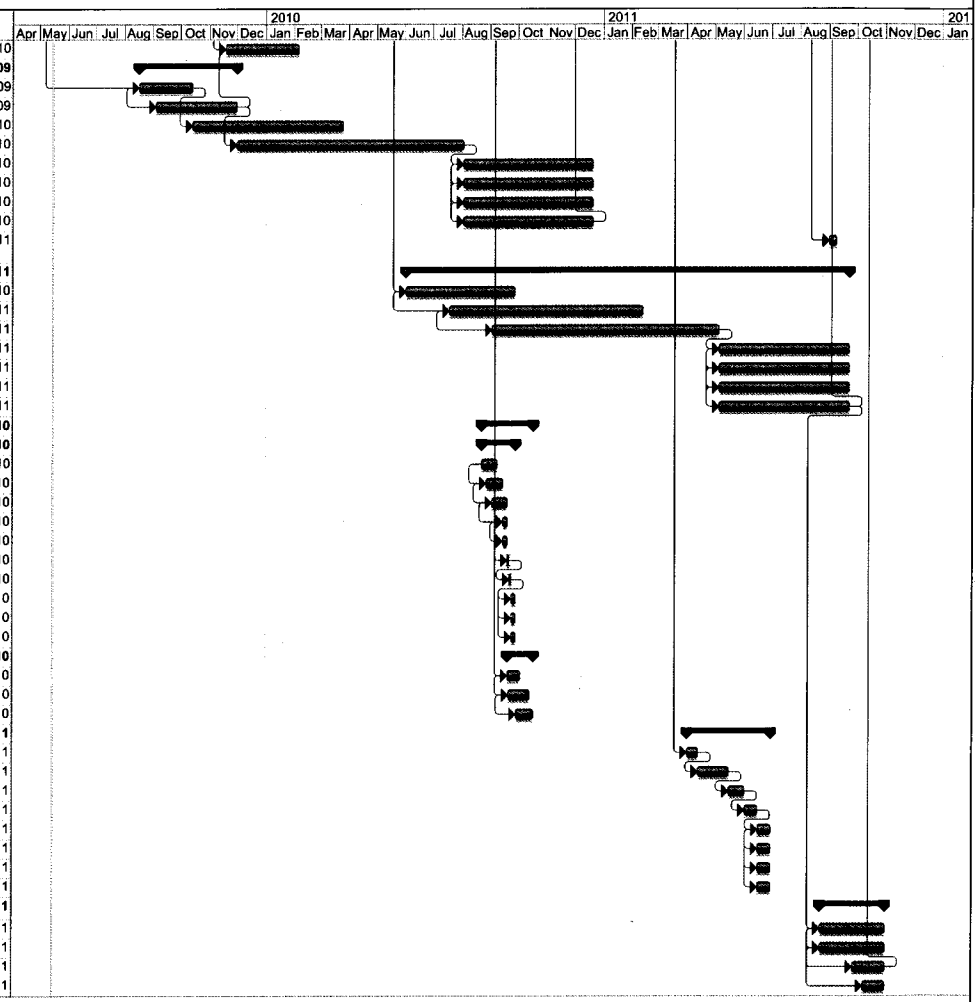
Project: BPA - John Day - McNary 500kV Transmission Line
Date: Fri 05/15/09

Critical | Split | Milestone | Project Summary | External Milestone
Task | Progress | Summary | External Tasks | Deadline

~~Master Agreement Number 28333, Release 019~~

Wilson Construction Company
McNary - John Day No. 1 500kV Transmission Line Construction
Project Schedule

ID	Task Name	Duration	Start	Finish
53	ATA 151 (30/1) - ATA 207 (42/1)	68 days	Thu 11/19/09	Fri 02/05/10
54	**3/2 to 13/2**	**91 days**	**Mon 08/17/09**	**Mon 11/30/09**
55	Haul & Assemble Steel lattice Towers 3/2 to 13/2	50 days	Mon 08/17/09	Tue 10/13/09
56	Erect Steel Lattice Towers 3/2 to 13/2	75 days	Fri 09/04/09	Mon 11/30/09
57	Haul & Assemble Steel Lattice Towers 13/3 to 42/1	140 days	Wed 10/14/09	Thu 03/25/10
58	Erect Steel Lattice Towers 13/3 to 42/1	210 days	Tue 12/01/09	Mon 08/02/10
60	Install Conductor (Triple Bundle ACSR Deschutes)	120 days	Tue 08/03/10	Mon 12/20/10
61	Install (2) - 1/2" EHS Steel OHGW	120 days	Tue 08/03/10	Mon 12/20/10
62	Install 72 Count ADSS Fiber Optic Cable	120 days	Tue 08/03/10	Mon 12/20/10
63	Sag, Clip, & Dead End Conductor, OHGW, & OPGW	120 days	Tue 08/03/10	Mon 12/20/10
59	Install Footings, Assemble & Erect Structures, Conductor, OHGW, & OPGW for ATA 119 (23/3) & ATA 120 (23/4)	7 days	Thu 09/01/11	Thu 09/08/11
64	**Build New Line - Segment 42/1 - 75/2 and 76/3 - 79/3 - Phase 2**	**410 days**	**Wed 06/02/10**	**Thu 09/22/11**
65	Foundations & Footings - ATA 208 to ATA 380	101 days	Wed 06/02/10	Mon 09/27/10
66	Haul & Assemble Steel Lattice Towers	180 days	Mon 07/19/10	Sat 02/12/11
67	Erect Steel Lattice Towers	210 days	Fri 09/03/10	Thu 05/05/11
68	Install Conductor - Triple Bundle ACSR Deschutes	120 days	Fri 05/06/11	Thu 09/22/11
69	Install (2) - 1/2" EHS Steel OHGW	120 days	Fri 05/06/11	Thu 09/22/11
70	Install 72 Count ADSS Fiber Optic Cable	120 days	Fri 05/06/11	Thu 09/22/11
71	Sag, Clip, & Dead End Conductor, OHGW, & OPGW	120 days	Fri 05/06/11	Thu 09/22/11
72	**Remove & Rebuild - Rock Creek - John Day #1 500kV**	**48 days**	**Mon 08/23/10**	**Mon 10/18/10**
73	**Rebuild from 4/3 to 6/2**	**32 days**	**Mon 08/23/10**	**Wed 09/29/10**
74	Foundations & Footings	15 days	Mon 08/23/10	Thu 09/09/10
75	Haul & Assemble Steel Lattice Towers 5/1 to 6/2	15 days	Sat 08/28/10	Wed 09/15/10
76	Erect Steel Lattice Towers	14 days	Fri 09/03/10	Mon 09/20/10
77	Install Conductor - Twin Bundle ACSR Chukar 5/1 to 6/2	4 days	Wed 09/15/10	Mon 09/20/10
78	Sag, Clip, & Dead End Conductor, OHGW, & OPGW	4 days	Wed 09/15/10	Mon 09/20/10
79	Install Footings for Tower 4/3	2 days	Mon 09/20/10	Wed 09/22/10
80	Finish Assembly & Erection of Tower 4/3	2 days	Wed 09/22/10	Fri 09/24/10
81	Install Conductor - Twin Bundle ACSR Chukar BOL of Tower 4/3	4 days	Fri 09/24/10	Wed 09/29/10
82	Install Conductor - Twin Bundle ACSR Chukar 4/3 to 5/1	4 days	Fri 09/24/10	Wed 09/29/10
83	Install Conductor - Twin Bundle ACSR Chukar AOL of Tower 6/3	4 days	Fri 09/24/10	Wed 09/29/10
84	**Remove Existing from 4/3 to 6/3**	**24 days**	**Mon 09/20/10**	**Mon 10/18/10**
85	Remove Existing Conductor	12 days	Mon 09/20/10	Mon 10/04/10
86	Remove Exsiting Steel Lattice Towers	20 days	Tue 09/21/10	Thu 10/14/10
87	Remove Exising Footings	16 days	Wed 09/29/10	Mon 10/18/10
88	**Build New Line - Segment 75/2 to 76/2 - Phase 2**	**77 days**	**Sat 04/02/11**	**Thu 06/30/11**
89	Foundations & Footings	10 days	Sat 04/02/11	Wed 04/13/11
90	Concrete Cure Time for Foundations	28 days	Thu 04/14/11	Mon 05/16/11
91	Haul & Assemble Steel Lattice Towers	15 days	Tue 05/17/11	Thu 06/02/11
92	Erect Steel Lattice Towers	12 days	Fri 06/03/11	Thu 06/16/11
93	Install Conductor - Triple Bundle ACSR Chukar	12 days	Fri 06/17/11	Thu 06/30/11
94	Install (2) - 1/2" EHS Steel OHGW	12 days	Fri 06/17/11	Thu 06/30/11
95	Install (2) - 36 Count OPGW Fiber Optic Cable	12 days	Fri 06/17/11	Thu 06/30/11
96	Sag, Clip, & Dead End Conductor, OHGW, & OPGW	12 days	Fri 06/17/11	Thu 06/30/11
97	**Project Cleanup & Closeout**	**60 days**	**Tue 08/23/11**	**Mon 10/31/11**
98	Site Restoration	60 days	Tue 08/23/11	Mon 10/31/11
99	Reseeding	60 days	Tue 08/23/11	Mon 10/31/11
101	Project Closeout	30 days	Tue 09/27/11	Mon 10/31/11
100	Demobilization	20 days	Sat 10/08/11	Mon 10/31/11



Project: BPA - John Day - McNary 500kV Transmission Line
Date: Fri 05/15/09

Critical | Task | Split | Progress | Milestone | Summary | Project Summary | External Tasks | External Milestone | Deadline

~~Master Agreement Number 28333, Release 019~~

WILSON CONSTRUCTION COMPANY

May 20, 2009

Bonneville Power Administration
Via Email: sratnathicam@bpa.gov
gjfurulie@bpa.gov
ganishida@bpa.gov

RE: McNary-John Day Clarifications to 5-19-09 Email(s)

Dear Shantini, Glenn and Grant:

Below are the questions sent by BPA yesterday, along with Wilson's answers:

1. Culverts pricing is 57.50 per lineal foot. This is acceptable as long as the size of the culvert is 24" in Diameter or smaller.

   *Unit pricing for 36" culvert installation is **$70.00 per lineal foot**. Additional sizes can be priced if required.*

2. Gates (without any description) priced at $1,150 each is not acceptable. There are Barbed wire gates and stockyard gates, each cost differently. Please do a price breakout for each kind of gate.

   *Unit pricing for barbwire gate installation is **$805.00 each**.*

3. Need unit cost for reconstruction of roads (per lineal foot) in Phases 1 and 2, excluding rock placement. Note: in phase 2 this cost may be for adding or subtracting lineal feet of road work .

   Unit pricing for reconstruction of roads excluding rock placement:
   *Phase I - **.36¢ per foot***
   *Phase II - **.94¢ per foot***

4. Need unit cost for steel per pound

   *Unit pricing for installation of steel lattice structures is **$1.54 per pound.***

Clarifications to above unit pricing:

All unit pricing is for additions to the scope of work. Unit prices will be reduced by 15% for deletions to work scope.

The unit price for additional steel per pound is an estimate. We typically bid lattice structures per ton depending on actual structure type/weight. This can fluctuate depending on actual structure location, method of installation, (i.e. helicopter or crane), etc. We will gladly provide a lump sum price for additional/deleted total steel weight for the structures once final design has been completed.

5. Observed Holidays are as follows:

   New Years Day, Memorial Day, 4th of July, Veteran's Day, Thanksgiving and the Day After, Christmas Day

Please do not hesitate to let us know if you require any additional clarification. Thank you.

Sincerely,

Carmen Reed
Senior Bid Administrator

"Building from our past, powering the present, with our vision on the future"

P.O. Box 1190
1190 N.W. Third
Canby, OR 97013

503-263-6882
FAX: 503-263-6946

Equal Opportunity Employer

BONNEVILLE
POWER ADMINISTRATION

RELEASE

Mail Invoice To:
S. Ratnathicam - TELS-TPP-3
sratnathicam@bpa.gov
Bonneville Power Admin
P.O. Box 61409
VANCOUVER WA 98666-1409

Contract : 00028333
Release : 00019
Page : 1

Vendor:
WILSON CONSTRUCTION CO
1190 NW THIRD
CANBY OR 97013

Please Direct Inquiries to:

JULIUS K. KANESHIRO
Title: CONTRACT SPECIALIST
Phone: 360-418-8681
Fax :

Attn: Sandi Dickston

Contract Title: MCNARY-JOHN DAY TRANSMISSION LINE CONSTRUCTION

Total Value : $38,863,570.00
Pricing Method: FIRM FIXED PRICE
Performance Period: 06/01/09 - 11/01/11

** NOT TO EXCEED **
Payment Terms: % Days Net 14

Contractor Signature
Debbie L. Greene, Comptroller
Printed Name/Title
7/13/09
Date Signed

BPA Contracting Officer
14 July 2009
Date Signed

Contract Amendments
Title : SAG COMPUTATIONS
Amendment: 001
Amended Performance Period: -
Amendment Value:
Pricing Method :

1. Supplemental Technical Specification: Paragraph 10.01.18, SAGGING, is incorporated by this amendment into the Supplemental Technical Specification as follows:

   10.01.18 SAGGING

   [Delete paragraph (D.) and substitute the following:]

   D. SAG COMPUTATIONS: Two weeks prior to sagging, submit to the COTR the Contractor's sag computations generated by the BPA furnished Sagging Tool 2000 v4.44 software. See Paragraph 10.01.05 C.

2. All other terms and conditions of the Release remain unchanged.

BONNEVILLE
POWER ADMINISTRATION

RELEASE

Mail Invoice To:
S. Ratnathicam - TELS-TPP-3
sratnathicam@bpa.gov
Bonneville Power Admin
P.O. Box 61409
VANCOUVER WA 98666-1409

Contract : 00028333
Release : 00019
Page : 1

Vendor:
WILSON CONSTRUCTION CO
1190 NW THIRD
CANBY OR 97013

Please Direct Inquiries to:

JULIUS K. KANESHIRO
Title: CONTRACT SPECIALIST
Phone: 360-418-8681
Fax :

Attn: Sandi Dickston

Contract Title: **MCNARY-JOHN DAY TRANSMISSION LINE CONSTRUCTION**

Total Value : **$38,884,805.00** **** NOT TO EXCEED ****
Pricing Method: **FIRM FIXED PRICE** **Payment Terms: % Days Net 14**
Performance Period: **06/01/09 - 11/01/11**

Kim E Wilson
Contractor Signature
Kim E. Wilson, Corporate Secretary
Printed Name/Title
8/12/09
Date Signed

BPA Contracting Officer
8/12/09
Date Signed

Title : ADDITIONAL ACCESS ROAD WORK
Amendment: 002
Amended Performance Period: -
Amendment Value: $21,235.00
Pricing Method :

Contract 28333 Release 19
Amendment 2
McNary John Day Transmission Line Construction

---

1. In accordance with the Changes clause, this Contract Release is hereby amended as follows to include additional road work at Mile 13:

A. Increase: 13/1 – 13/2. Improve crossing in dry wash/creek bed by adding 100 lineal feet of sub-grade reinforcing fabric in creek bed area. Provide and place 120 tons of clean 6-8" minus rocky material over the reinforcing fabric. Minimum fabric width is 12 feet.

6 – 8" Minus Rock	120 Ton	$24.00 per ton	$2,880.00
Reinforcing Fabric	100 L.Ft.	$ 3.45 ft.	$ 345.00

B. Increase: 13/1 – 13/4. Improve stability in sandy areas by adding 800 lineal feet of sub-grade reinforcing fabric. Provide and place 360 tons of clean 6-8" minus rocky material over the reinforcing fabric. Minimum fabric width is 12 feet.

6 – 8" Minus Rock	360 Ton	$24.00 per ton	$8,640.00
Reinforcing Fabric	800 L.Ft.	$ 3.45 ft.	$2,760.00

C. Increase: 13/3 – 13/4. Add additional material into dry gully by adding and placing 160 tons of clean 6" minus rocky material Quarry Spalls. Compact material in layers not to exceed 12" thick.

6 – 8" Minus Rock	160 Ton	$24.00 per ton	$3,840.00

D.	Overhead and Profit	$2,770.00
	Total for this Amendment:	**$21,235.00**

2. As a result of these changes, the Contract Release amount is hereby increased as follows:

Original Contract Release Amount	$38,863,570.00
Amendment 2 – Additional funds (W.O. 232350, Task 08)	$ 21,235.00
Revised Contract Release Amount:	**$38,884,805.00**

3. This amendment constitutes the total equitable adjustment for the changes described herein.

4. All other terms and conditions of the Contract Release remain unchanged.

BONNEVILLE
POWER ADMINISTRATION

RELEASE

Mail Invoice To:
S. Ratnathicam - TELS-TPP-3
sratnathicam@bpa.gov
Bonneville Power Admin
P.O. Box 61409
VANCOUVER WA 98666-1409

Contract : 00028333
Release : 00019
Page : 1

Vendor:
WILSON CONSTRUCTION CO
1190 NW THIRD
CANBY OR 97013

Please Direct Inquiries to:

JULIUS K. KANESHIRO
Title: CONTRACT SPECIALIST
Phone: 360-418-8681
Fax :

Attn: Sandi Dickston

Contract Title: MCNARY-JOHN DAY TRANSMISSION LINE CONSTRUCTION

Total Value : $38,959,480.71
Pricing Method: FIRM FIXED PRICE
Performance Period: 06/01/09 - 11/01/11

** NOT TO EXCEED **
Payment Terms: % Days Net 14

Contractor Signature
Stacy Wilson, VP/Finance
Printed Name/Title
9/16/09
Date Signed

BPA Contracting Officer
16 Sep 2009
Date Signed

Title : ADDITIONAL ACCESS ROAD WORK; ARRA CLAUSES
Amendment: 003
Amended Performance Period: -
Amendment Value: $74,675.71
Pricing Method :

Scope of Work Attached

Contract 28333 Release 19
Amendment 3
McNary John Day Transmission Line Construction

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1. In accordance with the Changes – Fixed-Price clause of the Master Agreement, Release 19 is hereby amended as follows for access road improvements:

A. **AR Change No. 2 – Increase of $5,536.10**
- Structures 13/5 to 14/2. Add 1,300 lf of road construction and 195 tons of surface rock.
- Structures 15/2 to 16/3. Delete 925 lf of road construction, 5,725 lf of reconstruction, and 1,186 tons of surface rock.
- Structures 15/2 to 16/3. Add 1,500 lf of road construction, 5,200 lf of reconstruction, and 1,230 tons of surface rock.

B. **AR Change No. 3 – No Cost Change**
- Modify access road route near Structure 16/5 to change crossing of private irrigation line.

C. **AR Change No. 4 – Increase of $29,863.55**
- Structures 18/5 to 19/1. Change Section to 6" Subbase w/3" Surface Aggregate. For 180 ft at 30 tons per station providing 54 additional tons.
- Structures 20/2 to 20/3. Change Section to 6" Subbase w/3" Surface Aggregate. For 1,350 ft at 40 tons per station providing 540 additional tons.
- Structures 18/5 to 19/1. Change Section to 6" Subbase w/3" Surface Aggregate. For 600 ft at 40 tons per station and 3,000' at 20 tons per station providing 840 additional tons.

D. **AR Change No. 5 – Increase of $36,435.10**
- Sandpiper Farm Road ACA-46-AR-3 rerouted (near Structure 22/3). Add 3,420 lf road construction and 684 tons of surface rock.
- Mercer Ranch Road ACA-52-AR-4 (near Structure 27/1), increase rock from 20 tons/station to 30 tons/station. Add 9,450 lf of road construction and 945 tons of surface rock.

2. Executed Field Modification No. 3 is hereby incorporated for the installation of Select Backfill on the foundation of Structure 13/3. **Increase $2,840.96.**

3. As a result of the preceding changes, the Contract Release amount is hereby increased as follows:

Contract Release Amount (thru Amendment 2)	$38,884,805.00
Amendment 3 – Additional funds (W.O. 232350, Task 08)	$ 74,675.71
Revised Contract Release Amount:	**$38,959,480.71**

4. The following American Reinvestment and Recovery Act (ARRA) clauses applicable to ARRA-funded projects are hereby incorporated as follows:

REQUIRED USE OF AMERICAN IRON, STEEL, AND OTHER MANUFACTURED GOODS--BUY AMERICAN ACT--CONSTRUCTION MATERIALS (9-46)
(AUG 09) (BPI 9.2.5.3)

(a) Definitions. As used in this clause—

"Construction material" means an article, material, or supply brought to the construction site by the Contractor or a subcontractor for incorporation into the building or work. The term also includes an item brought to the site preassembled from articles, materials, or supplies. However, emergency life safety systems, such as emergency lighting, fire alarm, and audio evacuation systems, that are discrete systems incorporated into a public building or work and that are produced as complete systems, are evaluated as a single and distinct construction material regardless of when or how the individual parts or components of those systems are delivered to the construction site. Materials purchased directly by the Government are supplies, not construction material.
"Domestic construction material" means—
(1) An unmanufactured construction material mined or produced in the United States; or
(2) A construction material manufactured in the United States.

"Foreign construction material" means a construction material other than a domestic construction material.
"Manufactured construction material" means any construction material that is not unmanufactured construction material.
"Steel" means an alloy that includes at least 50 percent iron, between .02 and 2 percent carbon, and may include other elements.
"United States" means the 50 States, the District of Columbia, and outlying areas.
"Unmanufactured construction material" means raw material brought to the construction site for incorporation into the building or work that has not been—
(1) Processed into a specific form and shape; or
(2) Combined with other raw material to create a material that has different properties than the properties of the individual raw materials.

(b) Domestic preference.

(1) This clause implements—

(i) Section 1605 of the American Recovery and Reinvestment Act of 2009 (Recovery Act) (Pub. L. 111-5), by requiring, unless an exception applies, that all iron, steel, and other manufactured goods used as construction material in the project are produced in the United States; and

(ii) The Buy American Act (41 U.S.C. 10a-10d) by providing a preference for unmanufactured domestic construction material.

(2) The Contractor shall use only domestic construction material in performing this contract, except as provided in paragraph (b)(3) and (b)(4) of this clause.

(3) This requirement does not apply to the construction material or components listed by the Government as follows: None.

(4) The Contracting Officer may add other foreign construction material to the list in paragraph (b)(3) of this clause if the Government determines that—

(i) The cost of domestic construction material would be unreasonable.

(A) The cost of domestic iron, steel, or other manufactured goods used as construction material is unreasonable when the cumulative cost of such material will increase the cost of the contract by more than 25 percent;

(B) The cost of unmanufactured construction material is unreasonable when the cost of such material exceeds the cost of foreign material by more than 6 percent;

(ii) The construction material is not mined, produced, or manufactured in the United States in sufficient and reasonably available quantities and of a satisfactory quality; or

(iii) The application of the restriction of section 1605 of the Recovery Act or the Buy American Act to a particular construction material would be inconsistent with the public interest.

(c) Request for determination of inapplicability of Section 1605 of the Recovery Act or the Buy American Act.

(1)

(i) Any Contractor request to use foreign construction material in accordance with paragraph (b)(4) of this clause shall include adequate information for Government evaluation of the request, including—

(A) A description of the foreign and domestic construction materials;

(B) Unit of measure;

(C) Quantity;

(D) Cost;

(E) Time of delivery or availability;

(F) Location of the construction project;

(G) Name and address of the proposed supplier; and

(H) A detailed justification of the reason for use of foreign construction materials cited in accordance with paragraph (b)(4) of this clause.

(ii) A request based on unreasonable cost shall include a reasonable survey of the market and a completed cost comparison table in the format in paragraph (d) of this clause.

(iii) The cost of construction material shall include all delivery costs to the construction site and any applicable duty.

(iv) Any Contractor request for a determination submitted after contract award shall explain why the Contractor could not reasonably foresee the need for such determination and could not have requested the determination before contract award. If the Contractor does not submit a satisfactory explanation, the Contracting Officer need not make a determination.

(2) If the Government determines after contract award that an exception to section 1605 of the Recovery Act or the Buy American Act applies and the Contracting Officer and the Contractor negotiate adequate consideration, the Contracting Officer will modify the contract to allow use of the foreign construction material. However, when the basis for the exception is the unreasonable cost of a domestic construction material, adequate consideration is not less than the differential established in paragraph (b)(4)(i) of this clause.

(3) Unless the Government determines that an exception to section 1605 of the Recovery Act or the Buy American Act applies, use of foreign construction material is noncompliant with section 1605 of the American Recovery and Reinvestment Act or the Buy American Act.

(d) Data. To permit evaluation of requests under paragraph (c) of this clause based on unreasonable cost, the Contractor shall include the following information and any applicable supporting data based on the survey of suppliers:

Foreign and Domestic Construction Materials Cost Comparison

Construction material description	Unit of measure	Quantity	Cost (dollars) *
Item 1:			
Foreign construction material			
Domestic construction material			
Item 2			
Foreign construction material			
Domestic construction material			

[List name, address, telephone number, and contact for suppliers surveyed. Attach copy of response; if oral, attach summary.] [Include other applicable supporting information.
[*Include all delivery costs to the construction site.]

AMERICAN RECOVERY AND REINVESTMENT ACT – ATTRIBUTION REPORTING REQUIREMENTS (53-100) (AUG 09)

(a) Definitions. As used in this clause—

"First-tier subcontract" means a subcontract awarded directly by a Federal Government prime contractor whose contract is attributed to the Recovery Act.

"Jobs" means an estimate of those positions created and filled, or previously existing filled positions, as a result of funding by the American Recovery and Reinvestment Act of 2009 (Recovery Act). This definition covers prime contractor, and as noted in (d)(3) below first tier subcontractor, positions established in the United States. The number shall be expressed as ''full-time equivalent'' (FTE), calculated cumulatively as all hours worked divided by the total number of hours in a full-time schedule (173 hours per quarter). For instance, two full-time employees and one part-time employee working half days would be reported as 2.5 FTE in each month.

(b) This contract requires the contractor providing products and/or services that are attributed to the American Recovery and Reinvestment Act of 2009 (Recovery Act) to report certain information. These reports will be made available to the public.

(c) Reports shall be submitted no later than 5 calendar days after the end of each calendar month.

(d) The Contractor shall report the following information by email to ARRAjobs@bpa.gov.

(1) The Government contract number, and the order/release number if applicable;

(2) A description of the employment impact of work attributed to the Recovery Act. This narrative should be cumulative for each calendar quarter and only address the impact on the contractor's workforce. The contractor shall provide—

(i) A description in broad labor categories (construction, professional services, other services, etc.).

(ii) An estimate of the number of jobs created and jobs retained by the prime contractor, in the United States.

(3) For any first-tier subcontract attributed in whole or in part under the Recovery Act, the prime contractor shall provide detailed information on these first-tier subcontracts as follows:

(i) Name of the subcontractor.

(ii) A description in broad labor categories (construction, professional services, other services, etc.).

(iii) An estimate of the number of jobs created and jobs retained by the prime contractor, in the United States.

(4) The report shall be in the following format:

Contractor (or sub contractor) Name	BPA Contract No. (include release no. if applicable	Project Name	Labor Category	No. of Hours	No. of Jobs (FTE)	Zip code where work is being performed (first two digits only)

5. This amendment constitutes the total equitable adjustment for the changes described herein.

6. All other terms and conditions of the Contract Release remain unchanged.

BONNEVILLE
POWER ADMINISTRATION

RELEASE

Mail Invoice To:
S. Ratnathicam - TELS-TPP-3
sratnathicam@bpa.gov
Bonneville Power Admin
P.O. Box 61409
VANCOUVER WA 98666-1409

Contract : 00028333
Release : 00019
Page : 1

Vendor:
WILSON CONSTRUCTION CO
1190 NW THIRD
CANBY OR 97013

Please Direct Inquiries to:

JULIUS K. KANESHIRO
Title: CONTRACT SPECIALIST
Phone: 360-418-8681
Fax :

Attn: Sandi Dickston

Contract Title: MCNARY-JOHN DAY TRANSMISSION LINE CONSTRUCTION

Total Value : $39,119,448.07
Pricing Method: FIRM FIXED PRICE
Performance Period: 06/01/09 - 11/01/11

** NOT TO EXCEED **
Payment Terms: % Days Net 14

Contractor Signature
Stacy Wilson/VP Finance
Printed Name/Title
11/6/09
Date Signed

BPA Contracting Officer
6 Nov 2009
Date Signed

Title : DRILLING; ADTL ACCESS ROAD WORK; MATERIAL PICKUP/DELIVERY
Amendment: 004
Amended Performance Period: -
Amendment Value: $159,967.36
Pricing Method :

Contract 28333 Release 19
Amendment 4
McNary John Day Transmission Line Construction

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1. In accordance with the Changes – Fixed-Price clause of the Master Agreement, Release 19 is hereby amended as follows for the following Construction Change Requests:

A. **CCR No. 2 – Increase of $2,836.76 (W.O. No. 231815, Task 08)**
- Structure 36/1. Test drilling to ascertain rock depth at each footing location.

B. **CCR No. 5.2 – Increase of $59,595.60 (W.O. No. 232350, Task 08)**
- AR Change #6 Include additional road construction work on the spur sections along the crop circle roads (increase of $8,260.85).
- AR Change #7 Shift improvement of the main access road from ATA-34-AR-1 to ATA-34-AR-2, and improvement from the upper road connecting to ATA-34-AR-2 to the lower road connecting to the mainline access road near Structure 34/2 (no-cost change).
- AR Change #8 Pave the approaches to SR-14 in the vicinity of Structures 8/2-8/3, 11/2-11/3, 12/6-13/1, 14/2-14/3, and 36/4-37/1 (increase of $53,769.25).
- AR Change #9 Delete the spur approach to Structure 39/4 (decrease of $2,434.50).
- AR Change #10 Relocate the new construction at Structures 36/1-36/2 to the existing roadway to the north, as well as AHOL of 36/2 (no-cost change).

C. **CCR No. 7.1 – Increase of $66,512.60 (W.O. No. 232350, Task 08)**
- Structure 13/4. Additional borrow material purchased due to unknown gas crossing (increase of $32,318.50).
- Structures 16/5 and 17/4. Borrow material purchased that was unavailable as specified in the Access Road Summary (increase of $31,996.29).
- Structures 19/2 and 20/2. Borrow material purchased as required for water crossing (increase of $2,197.81).

D. **CCR No. 8 – Increase of $13,599.90 (W.O. No. 231815, Task 07)**
- Pickup, transportation, and delivery of materials from the BPA Warehouse at Ross Complex, Vancouver, WA, to the Material Yard located at Paterson, WA.

E. **CCR No. 9 – Increase of $17,422.50 (W.O. No. 232350, Task 08)**
- Remobilization of rock crushing equipment to produce quantity needed for access road changes. Minimum quantity of crushed rock to be produced is 15,000 tons.

2. As a result of the preceding changes, the Contract Release amount is hereby increased as follows:

Contract Release Amount (thru Amendment 3)	$38,959,480.71
Amendment 4 – Increase	$ 159,967.36
Revised Contract Release Amount:	**$39,119,448.07**

3. The project completion date of November 1, 2011, remains unchanged.

4. This amendment constitutes the total equitable adjustment for the changes described herein.

5. All other terms and conditions of the Contract Release remain unchanged.

BONNEVILLE
POWER ADMINISTRATION

RELEASE

Mail Invoice To:
S. Ratnathicam - TELS-TPP-3
sratnathicam@bpa.gov
Bonneville Power Admin
P.O. Box 61409
VANCOUVER WA 98666-1409

Contract : 00028333
Release : 00019
Page : 1

Vendor:
WILSON CONSTRUCTION CO
1190 NW THIRD
CANBY OR 97013

Please Direct Inquiries to:

JULIUS K. KANESHIRO
Title: CONTRACT SPECIALIST
Phone: 360-418-8681
Fax :

Attn: Sandi Dickston

Contract Title: MCNARY-JOHN DAY TRANSMISSION LINE CONSTRUCTION

Total Value : $39,208,977.15
Pricing Method: FIRM FIXED PRICE
Performance Period: 06/01/09 - 11/01/11

** NOT TO EXCEED **
Payment Terms: % Days Net 14

Contractor Signature
Donald M. Wilson, President
Printed Name/Title
11/9/09
Date Signed

BPA Contracting Officer
9 Nov 2009
Date Signed

Title : INSTALL DRILLED SHAFTS AT STRUCTURE 36/1
Amendment: 005
Amended Performance Period: -
Amendment Value: $89,529.08
Pricing Method :

Contract 28333 Release 19
Amendment 5
McNary John Day Transmission Line Construction

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1. In accordance with the Changes – Fixed-Price clause of the Master Agreement, Release 19 is hereby amended as follows for the following Construction Change Request:

   A. **<u>CCR No. 6</u> – Increase of $89,529.08 (W.O. No. 231815, Task 08)**
   - Structure 36/1. Change in footing type (increase of $88,987.00).
   - Structure 38/5. Change 17.5' leg extensions to 20' leg extensions (increase of $542.08).

2. As a result of the preceding change, the Contract Release amount is hereby increased as follows:

Contract Release Amount (thru Amendment 4)	$39,119,448.07
Amendment 5 – Increase	$ 89,529.08
Revised Contract Release Amount:	**$39,208,977.15**

3. The project completion date of November 1, 2011, remains unchanged.

4. This amendment constitutes the total equitable adjustment for the changes described herein.

5. All other terms and conditions of the Contract Release remain unchanged.

BONNEVILLE
POWER ADMINISTRATION

RELEASE

Mail Invoice To:
S. Ratnathicam - TELS-TPP-3
sratnathicam@bpa.gov
Bonneville Power Admin
P.O. Box 61409
VANCOUVER WA 98666-1409

Contract : 00028333
Release : 00019
Page : 1

Vendor:
WILSON CONSTRUCTION CO
1190 NW THIRD
CANBY OR 97013

Please Direct Inquiries to:

JULIUS K. KANESHIRO
Title: CONTRACT SPECIALIST
Phone: 360-418-8681
Fax :

Attn: Sandi Dickston

Contract Title: MCNARY-JOHN DAY TRANSMISSION LINE CONSTRUCTION

Total Value : $39,520,539.99 **** NOT TO EXCEED ****
Pricing Method: FIRM FIXED PRICE **Payment Terms: % Days Net 14**
Performance Period: 06/01/09 - 11/01/11

Contractor Signature
JEFFREY A JOHNSON / EXEC VP
Printed Name/Title
12/11/09
Date Signed

BPA Contracting Officer
11 Dec 2009
Date Signed

Title : MILE 18 REMOB; MAT'L PICKUP/DELIVERY; ADTL ROCK (AUG-OCT)
Amendment: 006
Amended Performance Period: -
Amendment Value: $311,562.84
Pricing Method :

Contract 28333 Release 19
Amendment 6
McNary – John Day Transmission Line Construction

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1. In accordance with the Changes – Fixed-Price clause of the Master Agreement, Release 19 is hereby amended as follows to incorporate the following Construction Change Requests:

A. **<u>CCR No. 3</u> – Increase of $31,021.55 (W.O. No. 231815, Task 08)**
- Remobilization of work crews to complete work in Mile 18 due to a timing restriction for grape harvesting until mid-Nov 09.

B. **<u>CCR No. 12</u> – Increase of $2,024.87 (W.O. No. 231815, Task 07)**
- Pickup/transportation/delivery of materials (Oct 09) from the BPA Warehouse at Ross Complex, Vancouver, WA, to the Material Yard located at Paterson, WA.

C. **<u>CCR No. 13</u> – Increase of $124,940.16 (W.O. No. 232350, Task 08)**
- Additional rock quantities (Aug/Sep 09) for access road construction.

D. **<u>CCR No. 16</u> – Increase of $153,576.26 (W.O. No. 232350, Task 08)**
- Additional rock quantities (Oct 09) for access road construction.

2. As a result of the preceding change, the Contract Release amount is hereby increased as follows:

Contract Release Amount (thru Amendment 5)	$39,208,977.15
Amendment 6 – Increase	$ 311,562.84
Revised Contract Release Amount:	**$39,520,539.99**

3. The project completion date of November 1, 2011, remains unchanged.

4. This amendment constitutes the total equitable adjustment for the changes described herein.

5. All other terms and conditions of the Contract Release remain unchanged.

UNITED STATES GOVERNMENT

RELEASE

BONNEVILLE POWER ADMINISTRATION

Mail Invoice To:
S. Ratnathicam - TELS-TPP-3
sratnathicam@bpa.gov
Bonneville Power Admin
P.O. Box 61409
VANCOUVER WA 98666-1409

Contract : 00028333
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WILSON CONSTRUCTION CO
1190 NW THIRD
CANBY OR 97013

Please Direct Inquiries to:

JULIUS K. KANESHIRO
Title: CONTRACT SPECIALIST
Phone: 360-418-8681
Fax :

Attn: Sandi Dickston

Contract Title: MCNARY-JOHN DAY TRANSMISSION LINE CONSTRUCTION

Total Value : $39,859,528.68
Pricing Method: FIRM FIXED PRICE
Performance Period: 06/01/09 - 11/01/11

** NOT TO EXCEED **
Payment Terms: % Days Net 14

Contractor Signature
STACY WILSON / VP FINANCE
Printed Name/Title
MARCH 5, 2010
Date Signed

BPA Contracting Officer
5 March 2010
Date Signed

Title : CCRS 15A, 19, 20, 22.1, 24, 26
Modification: 007
Modified Performance Period: -
Modification Value: $338,988.69
Pricing Method :

Contract 28333, Release 19
Modification 7
McNary – John Day Transmission Line Construction

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1. In accordance with the Changes – Fixed-Price clause of the Master Agreement, Release 19 is hereby modified as follows to incorporate the following Construction/Access Road Change Requests:

A. **<u>CCR No. 15a</u> – Increase of $168,771.83 (W.O. No. 232350, Task 08)**
- Phase 2 changes to access roads.

B. **<u>CCR No. 19</u> – Increase of $1,929.17 (W.O. No. 231815, Task 07)**
- Pickup/transportation/delivery of materials (Nov 09) from the BPA Warehouse at Ross Complex, Vancouver, WA, to the Material Yard located at Paterson, WA.

C. **<u>CCR No. 20</u> – Access Road Changes 13-15**

- **<u>AR Change No. 13</u> – Increase of $3,519.00 (W.O. No. 232350, Task 08)**
  Addition of quarry spalls/geotextile at Ford crossings near Structures 50/2 and 51/3.

- **<u>AR Change No. 14</u> – Increase of $76,505.25 (W.O. No. 232350, Task 08)**
  Addition of surface rock at Site 6 reconstruction.

- **<u>AR Change No. 15</u> – Increase of $13,575.00 (W.O. No. 232350, Task 08)**
  Addition of 7 culverts at Structures 42/3, 43/4, 44/1, 44/4, 45/2, 52/5, and 55/5.

D. **<u>CCR No. 22.1</u> – Access Road Changes 16-17**

- **<u>AR Change No. 16</u> – Increase of $70,970.25 (W.O. No. 232350, Task 08)**
  Addition of base rock/geotextile at Site 6 reconstruction.

- **<u>AR Change No. 17</u> – Increase of $1,495.00 (W.O. No. 232350, Task 08)**
  Modified gates at Structures 3/2, 5/3, 19/1, and 19/2.

E. **<u>CCR No. 24</u> – Increase of $1,718.63 (W.O. No. 231815, Task 08)**
- Cultural monitoring services for counterpoise work.

F. **<u>CCR No. 26</u> – Increase of $504.56 (W.O. No. 231815, Task 07)**
- Pickup/transportation/delivery of materials (Feb 10) from the BPA Warehouse at Ross Complex, Vancouver, WA, to the Material Yard located at Paterson, WA.

2. As a result of the preceding change, the Contract Release amount is hereby increased as follows:

Contract Release Amount (thru Modification 6)	$39,520,539.99
Modification 7 – Increase	$ 338,988.69
Revised Contract Release Amount:	**$39,859,528.68**

3. The project completion date of November 1, 2011, remains unchanged.

4. This modification constitutes the total equitable adjustment for the changes described herein.

5. All other terms and conditions of the Contract Release remain unchanged.

UNITED STATES GOVERNMENT

RELEASE

BONNEVILLE POWER ADMINISTRATION

Mail Invoice To:
S. Ratnathicam - TELS-TPP-3
sratnathicam@bpa.gov
Bonneville Power Admin
P.O. Box 61409
VANCOUVER WA 98666-1409

Contract : 00028333
Release : 00019
Page : 1

Vendor:
WILSON CONSTRUCTION CO
1190 NW THIRD
CANBY OR 97013

Please Direct Inquiries to:

JULIUS K. KANESHIRO
Title: CONTRACTING OFFICER
Phone: 360-418-8681
Fax :

Attn: PAULA LEMASTERS

Contract Title: MCNARY-JOHN DAY TRANSMISSION LINE CONSTRUCTION

Total Value : $40,899,721.18
Pricing Method: FIRM FIXED PRICE
Performance Period: 06/01/09 - 11/01/11

** NOT TO EXCEED **
Payment Terms: % Days Net 14

Contractor Signature
Donald M. Wilson / President
Printed Name/Title
August 19, 2010
Date Signed

BPA Contracting Officer
19 Aug 2010
Date Signed

Title : ACCESS RD WORK; FOOTINGS/ LEG EXT/YOKES; MAT'L DELIVERIES
Modification: 008
Modified Performance Period: -
Modification Value: $1,040,192.50
Pricing Method :

Scope of Work Attached

Contract 28333, Release 19
Modification 008
McNary – John Day Transmission Line Construction

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1. In accordance with the Changes – Fixed-Price clause of the Master Agreement, Release 19 is hereby modified as follows to incorporate the following Construction/Access Road Change Requests:

A. **CCR Nos. 5.3, 18, 23, 28.1, 31.1, 39, 48.1 – Increase of $725,683.45 (W.O. No. 232350, Task 08)**
- CCR 5.3 – Additional paving of approaches along SR-14
- CR 18 – Additional rock for Site 4 Area
- CR 23 – Reworking of culverts at various sites per AR No.18
- CR 28.1 – Additional rock acquired for Sundale Orchard Area
- CR 31.1 – Additional rock, gates, culvert, quarry spalls per AR Nos. 19 and 21
- CR 39 – Additional rock acquired for Mile 53 Area
- CR 48.1 – Additional rock, culvert, and remobilization of equipment to reconstruct road and spurs around Structures 43/5, 44/1, and 44/4

B. **CCR Nos. 15B, 15C, 21 – Increase of $328,483.58 (W.O. No. 231815, Task 08)**
- CR 15B – Additional Phase 2 plate/rock footing and shaft work
- CR15C – Additional Phase 2 tower modifications (leg extensions)
- CR 21 – Phase 1 removal of clipping hardware from yoke plates

C. **CCR Nos. 30, 33, 34, 36, 53 – Increase of $9,421.47 (W.O. No. 231815, Task 07)**
- Pickup/transportation/delivery of materials from the BPA Warehouse at Ross Complex, Vancouver, WA, to the Material Yard

D. **CCR No. 40 – Decrease of $23,396.00 (W.O. No. 231815, Task 08)**
- Deduction from leg extension weights on Structures 23/3 and 23/4

2. As a result of the preceding change, the Contract Release amount is hereby increased as follows:

Contract Release Amount (thru Modification 7)	$39,859,528.68
This Modification 8 – Increase	$ 1,040,192.50
Total Contract Release Amount:	**$40,899,721.18**

3. The project completion date of November 1, 2011, remains unchanged.

4. This modification constitutes the total equitable adjustment for the changes described herein.

5. All other terms and conditions of the Contract Release remain unchanged.