

2. AMENDMENT/MODIFICATION NO. <b>A003</b>	3. EFFECTIVE DATE <b>07/31/08</b>	4. REQUISITION/PURCHASE NO. N/A	5. PROJECT NO. (If applicable) <b>WA FS ERFO 2007(1)-20(18)</b>
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6. ISSUED BY Department of Transportation Federal Highway Administration 610 East Fifth Street Vancouver WA 98661-3801	CODE N/A	7. ADMINISTERED BY (If other than Item 6) CODE N/A
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and Zip Code)	X	9A. AMENDMENT OF SOLICITATION NO. DTFH70-08-R-00024
		9B. DATED (SEE ITEM 11) 07/01/08
		10A. MODIFICATION OF CONTRACT/ORDER NO. N/A
		10B. DATED (SEE ITEM 13) N/A
CODE: N/A	FACILITY CODE: N/A	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers **( x ) is extended.** ( ) is not extended

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:  
 (a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. **FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.** If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)  
N/A

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

A	THIS CHANGE ORDER IS ISSUED PURSUANT TO (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A: N/A
B	THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (Such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b): N/A
C	THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: N/A
D	OTHER (Specify type of modification and authority) N/A

**E. IMPORTANT: Contractor n/a is not, n/a is required to sign this document and return n/a copies to the issuing office.**

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

**WA FS ERFO 2007(1)-20(18), Coal Lake Road and Mallardy Creek Bridge Emergency Repairs**

This solicitation adds additional work: **WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair**

See page 2 for Revisions.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15a. NAME AND TITLE OF SIGNER (Type or print)	15a. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) N/A		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
BY _____ (Signature of person authorized to sign)		BY <u>N/A</u> (Signature of Contracting Officer)	N/A

## **REVISIONS ARE AS FOLLOWS:**

### **ENTIRE SOLICITATION PACKAGE- (Pen & Ink change)**

All pages. Change Project name/number:

**From:** WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge  
Emergency Repairs

**To:** WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge  
Emergency Repairs; [WA FS ERFO 2008\(1\)-20\(1\) Hard Creek Bridge Emergency  
Repair](#)

### **NOTICE TO BIDDERS**

A-1, Notice to Bidders. Adds Hard Creek site information. Extends bid questions date

### **SF 1442, SOLICITATION, OFFER, AND AWARD (Pen & Ink change)**

Page A-3, Block 13A. Set date for receipt of proposal as **August 12, 2008** at 2:00 pm.

**New date for receipt of proposals: 08/12/08**

### **BID SCHEDULE**

Page A-7. Adds bid schedule.

### **CONTRACT CLAUSES**

Page C-1, FAR Clause 52.211-10, *Commencement, Prosecution, and Completion of Work (Apr 1984) Alternate I (Apr 1984)*. Revises fixed completion date to 10/15/2008.

### **MINIMUM WAGE SCHEDULE**

Page D-1 through D-48. Updates Davis-Bacon General Wage Decision Number WA20080001 to current effective date of July 25, 2008.

### **SPECIAL CONTRACT REQUIREMENTS**

SCRs Table of Contents. Adds Sections 154, 556, 566, 575, 601, 635, 690, 701, 703, 709 and 717.

Page E-8, Subsection 105.04, Storing and Handling Material. Adds materials for Hard Creek Bridge

Page E-13 – E-14, Subsection 107.10 Reformats pagination and adds (d)(3) and (4)

Page E-15 subsection 108.01 Commencement, Prosecution, and Completion of Work. Removes (b) reference to completion date.

Page E-24, Subsection 153.02 Quality Control Manager. Adds requirements for QC manager.

Page E-24, Subsection 153.03 Quality Control Plan. Adds items.

Page E-25, Subsection 153.05A Government Quality Sampling and Testing. Adds subsection.

Page E-26-E-27, Subsection 153.06 Government Quality Assurance Inspection. Adds subsection.

Page E-27, Subsection 153.06A Acceptance. Renumbered from 153.06 to 153.06A

Page E-28 Section 154 Contractor Sampling and Testing. Adds Section.

Page E-29 – E-32 Section 155 – Schedules for Construction Contracts. Reformats pagination.

Page E-33, Section 156 Public Traffic. Add closure information for Hard Creek Bridge

Page F-1, Subsection 203.01 Adds subsection for Hard Creek Bridge

Page F-2, Subsection 203.04 Removing Material. Adds (d) Boulders

Page F-2, Subsection 203.07. Adds subsection

Page F-8, Section 556 - Bridge Railing. Adds Section

Page F-9 – F-13, Section 566 - Shotcrete. Adds Section

Page F-14, Section 575 - Minor Bridge Work. Adds Section

Page F-15, Section 601 - Minor Concrete Structures. Adds Section

Page F-16, Section 625 – Turf Establishment. Adds Section

Page F-17, Section 635 - Temporary Traffic Control. Adds Section

Page F-18 – F-19, Section 690 - Site Work. Adds Section

Page G-1, Section 701 - Cement. Adds Section

Page G-1, Section 703 - Aggregate. Adds Section

Page G-2, Section 704 - Soil. Reformats pagination

Page G-3, Section 709 - Reinforcing Steel and Wire Rope. Adds Section

Page G-4, Subsection 713.04 Seed. Adds seed for Hard Creek Bridge

Page G-5, Section 717 - Structural Metal. Adds Section

## PLANS

Plan sheet #A.1A	Adds sheet for Hard Creek Bridge Emergency Repair
Plan sheet #A.3A	Adds sheet for Hard Creek Bridge Emergency Repair
Plan sheet #B.1A	Adds sheet for Hard Creek Bridge Emergency Repair
Plan sheet #B.2A	Adds sheet for Hard Creek Bridge Emergency Repair
Plan sheet #B.3A	Adds sheet for Hard Creek Bridge Emergency Repair
Plan sheet #B.4	Adds sheet for Hard Creek Bridge Emergency Repair
Plan sheet #B.5	Adds sheet for Hard Creek Bridge Emergency Repair
Plan sheet #C.1A	Adds sheet for Hard Creek Bridge Emergency Repair
Plan sheet #D.1A	Adds sheet for Hard Creek Bridge Emergency Repair
Plan sheet #D.2A	Adds sheet for Hard Creek Bridge Emergency Repair

## ENCLOSURES

Pages:

A-1  
A-7  
C-1  
D-1 through D-48  
SCRs Table of Contents (2 pages)  
Page E-8  
Page E-13 through E-15  
Page E-24 through E-34  
Page F-1 and F-2  
Page F-8 through F-20  
Page G-1 through G-6

Plan Sheets:

#A.1A  
#A.3A  
#B.1A  
#B.2A  
#B.3A  
#B.4  
#B.5  
#C.1A  
#D.1A  
#D.2A

Pages not included due to Pen and Ink changes:  
All other pages (footer change)

## NOTICE TO OFFEROR

### I. Project Location.

The project work is located approximately 20 miles east of Granite Falls, in Snohomish County, [and 60 miles east of Arlington in Skagit County](#) Washington.

Signs have not been erected to identify the project limits. No Government personnel will be available for show-me tours.

### II. Pre-proposal Information.

**TECHNICAL QUESTIONS REGARDING PROPOSED WORK FOR THIS PROJECT WILL NOT BE ACCEPTED AFTER THE CLOSE-OF-BUSINESS ON AUGUST 7, 2008.**

Questions can be submitted and answers viewed by going to project information at <http://www.wfl.fha.dot.gov/edi/current.htm>

This solicitation includes electronic plan sheets. Plan sheets can be found at <http://www.wfl.fhwa.dot.gov/edi/plans/coalcreek/> and viewed by individual sections, downloaded by individual sections, or the entire plan set downloaded in a zip file. A paper copy of the plan sheets is available by submitting the form included in this solicitation.

Requests for technical information (Plan and Division 100 – 700 Specification questions only) about this project will only be accepted in writing (see Block 9 on page A-5).

REPS & CERTS. Submit or update Representations and Certifications online at <http://orca.bpn.gov> before bid submittal. For more details go to FAR Provision 52.204-8 *Annual Representations and Certifications* (see page B-2). If you have previously registered on-line and the NAICS code for this solicitation is different than the code listed in your online file, please note the amended changes on the lines provided in FAR 52.204-8.

Particular attention should be paid to Standard Form 1442, Solicitation, Offer and Award, to assure that Blocks 14, 15, 16, 19, 20A, and 20C are completed correctly. Sign Block 20B according to the instructions in Subsection 102.02. You must submit a completed 'Authority to Sign' document. You must also complete the representations and certifications contained in the Contract Provisions beginning on page B-1. Failure to furnish or complete any of the above may result in your bid being considered nonresponsive and being rejected.

Facsimile bids are not authorized for this solicitation. Bids may be modified or withdrawn by facsimile, if such notice is received by the time specified for receipt of bids. The Government will not be responsible for any failure attributable to the transmission or receipt of facsimile data. See FAR Provision 52.214-5, Submission of Bids. FAX 360.619.7932.

[Revised by Amendment A003](#)

Notice to Offeror

Project: WA FS ERFO 2007(1)-20(18), Coal Lake Road and Mallardy Creek Bridge Emergency Repairs [and WA FS ERFO 2008\(1\)-20\(1\) Hard Creek Bridge Emergency Repair](#)

Project: WA FS ERFO 2007(1)-20(18) Coal Lake Road & Mallardy Creek Bridge  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

Total the amounts bid for each project site and insert the total.

<b>Item</b>	<b>Description</b>	<b>Amount</b>
001	Lump sum amount Coal Creek/Mallardy Creek site	\$ _____
002	Lump sum amount Hard Creek Site	\$ _____
<b>Total</b>		<b>\$ _____</b>

Submitted by: \_\_\_\_\_  
Name of Offeror

Page added by Amendment A003

**Bid Schedule**

Project: WA FS ERFO 2007(1)-20(18) Coal Lake Road & Mallardy Creek Bridge  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

## Federal Acquisition Regulation Contract Clauses

**Note: The clauses included in the basic IDIQ apply. The following clauses have been changed or require fill-in for this specific project.**

### **52.211-10 Commencement, Prosecution, and Completion of Work (Apr 1984) Alternate I (Apr 1984)**

The Contractor shall be required to (a) commence work under this contract within 10 calendar days after the date the Contractor receives the notice to proceed, (b) prosecute the work diligently, and (c) complete the entire work ready for use not later than **October 15, 2008**, subject to such extensions as may be authorized. The time stated for completion shall include final cleanup of the premises. (Date revised by Amendment A003)

The completion date is based on the assumption that the successful offeror will receive the notice to proceed by **September 2, 2008**. 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.

### **52.211-12 Liquidated Damages—Construction (Sep 2000)**

(a) If the Contractor fails to complete the work within the time specified in the contract, the Contractor shall pay liquidated damages to the Government in the amount of: See Special Contract Requirements, Subsection 108.04.

(b) If the Government terminates the Contractor's right to proceed, liquidated damages will continue to accrue until the work is completed. These liquidated damages are in addition to excess costs of repurchase under the Termination clause.

### **52.225-9 Buy American Act—Construction Materials (Jan 2005)**

(a) *Definitions.* As used in this clause—

“Component” means an article, material, or supply incorporated directly into a construction material.

“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.

“Cost of components” means—

(1) For components purchased by the Contractor, the acquisition cost, including transportation costs to the place of incorporation into the construction material (whether or not such costs are paid to a domestic firm), and any applicable duty (whether or not a duty-free entry certificate is issued); or

Footer revised by Amendments A001 & A003

Contract Clauses

WA FS ERFO 2007(1)-20(18), Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1), Hard Creek Bridge Emergency Repair

GENERAL DECISION: **WA20080001** 07/25/2008 WA1

Date: July 25, 2008

General Decision Number: **WA20080001** 07/25/2008

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

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		

Entire Wage Determination revised by Amendment A003 |

Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs

WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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 Framers; 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

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Wage Determination

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WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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".

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

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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 WAHAKIYAKUM 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 materials.....	\$ 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

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Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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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	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

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WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

(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

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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

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Wage Determination

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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 CREOSOTE 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

Entire Wage Determination revised by Amendment A003 |

Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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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 01/01/2008

CLARK, KLICKITAT AND SKAMANIA COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 34.40	3%+\$14.85
ELECTRICIAN.....	\$ 34.15	3%+\$14.85

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 Delorme Street Atlas USA 2006 plus.

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ELEC0073-001 01/01/2008

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

	Rates	Fringes
CABLE SPLICER.....	\$ 26.82	3%+12.08
ELECTRICIAN.....	\$ 26.42	3%+12.08

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ELEC0076-002 03/01/2007

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

	Rates	Fringes
CABLE SPLICER.....	\$ 36.31	3%+13.19

Entire Wage Determination revised by Amendment A003 |

Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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ELECTRICIAN.....\$ 32.71 3%+13.19

ELEC0077-002 02/01/2007

Rates Fringes

Line Construction:

CABLE SPLICERS.....\$ 42.09 3.875%+\$10.60
GROUND MEN.....\$ 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 06/04/2007

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

Rates Fringes

CABLE SPLICER.....\$ 33.50 3%+13.33
ELECTRICIAN.....\$ 31.90 3%+13.33

ELEC0191-003 08/31/2007

ISLAND, SAN JUAN, SNOHOMISH, SKAGIT AND WHATCOM COUNTIES

Rates Fringes

CABLE SPLICER.....\$ 35.71 3%+11.97
ELECTRICIAN.....\$ 32.46 3%+11.97

ELEC0191-004 08/31/2007

CHELAN, DOUGLAS, GRANT AND OKANOGAN COUNTIES

Rates Fringes

CABLE SPLICER.....\$ 31.31 3%+11.92
ELECTRICIAN.....\$ 28.46 3%+11.92

ELEC0970-001 06/01/2007

COWLITZ AND WAHAKIYAKUM COUNTIES

Rates Fringes

CABLE SPLICER.....\$ 32.67 3%+11.00
ELECTRICIAN.....\$ 29.70 3%+11.00

ENGI0302-003 06/01/2008

CHELAN (WEST OF THE 120TH MERIDIAN), CLALLAM, DOUGLAS (WEST OF

Entire Wage Determination revised by Amendment A003

Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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

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WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs

WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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-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 reate 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.

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Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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

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WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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:

[Entire Wage Determination revised by Amendment A003](#) |

Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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, ect.) 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.

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 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		

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WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs

WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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\$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 reate 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.

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Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
 WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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, ect.) 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

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Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs

WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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.

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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

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WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs

WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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, Saginaw 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);

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#### Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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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 Operator (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; Roller (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 Vector 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 dragline; Derricks & Stifflegs (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 Waterjet 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

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### Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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.

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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.

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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

Entire Wage Determination revised by Amendment A003 |

Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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

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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

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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

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Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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

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#### Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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.

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ENGI0701-002 01/01/2008

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

POWER EQUIPMENT OPERATORS: ZONE 1

	Rates	Fringes
Power equipment operators:		
(See Footnote A)		
GROUP 1.....	\$ 35.06	10.25
GROUP 1A.....	\$ 36.75	10.25
GROUP 1B.....	\$ 38.44	10.25
GROUP 2.....	\$ 33.55	10.25
GROUP 3.....	\$ 32.62	10.25
GROUP 4.....	\$ 31.75	10.25
GROUP 5.....	\$ 30.72	10.25
GROUP 6.....	\$ 27.94	10.25

Zone Differential (add to Zone 1 rates):  
Zone 2 - \$2.00  
Zone 3 - \$4.00

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Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs

WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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

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WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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

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(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 Clamshell, 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 20,000 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

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#### Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
 WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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-ull 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 Factor 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

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WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
 WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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 simialr 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; Chiip 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 (exclduing 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;

Entire Wage Determination revised by Amendment A003 |

#### Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
 WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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 01/01/2008

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

DREDGING:

	Rates	Fringes
Dredging:		
ZONE A		
ASSISTANT ENGINEER.....	\$ 35.66	10.05
ASSISTANT MATE.....	\$ 31.53	10.05
LEVERMAN, DIPPER,		
FLOATING CLAMSHELL.....	\$ 38.12	10.05
LEVERMAN, HYDRAULIC.....	\$ 38.12	10.05
TENDERMAN.....	\$ 34.54	10.05
ZONE B		
ASSISTANT ENGINEER.....	\$ 37.66	10.05
ASSISTANT MATE.....	\$ 33.53	10.05
LEVERMAN, DIPPER,		
FLOATING CLAMSHELL.....	\$ 40.12	10.05
LEVERMAN, HYDRAULIC.....	\$ 40.12	10.05
TENDERMAN.....	\$ 36.54	10.05
ZONE C		
ASSISTANT ENGINEER.....	\$ 38.66	10.05
ASSISTANT MATE.....	\$ 34.53	10.05
LEVERMAN, DIPPER,		
FLOATING CLAMSHELL.....	\$ 41.12	10.05
LEVERMAN, HYDRAULIC.....	\$ 41.12	10.05
TENDERMAN.....	\$ 37.54	10.05

ZONE DESCRIPTION FOR DREDGING:

- ZONE A - All jobs or projects located within 30 road miles of Portland City Hall.
- ZONE B - Over 30-50 road miles from Portland City Hall.
- ZONE C - Over 50 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.

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IRON0014-005 07/01/2007

ADAMS, ASOTIN, BENTON, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND ORIELLE, SPOKANE,

Entire Wage Determination revised by Amendment A003 |

Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

STEVENS, WALLA WALLA AND WHITMAN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 28.22	15.52
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IRON0029-002 07/01/2007		

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

	Rates	Fringes
IRONWORKER.....	\$ 30.25	15.52
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IRON0086-002 07/01/2007		

YAKIMA, KITTITAS AND CHELAN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 29.00	15.52
-----		
IRON0086-004 07/01/2007		

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

	Rates	Fringes
IRONWORKER.....	\$ 32.40	15.52
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LABO0001-002 06/01/2008		

ZONE 1:

	Rates	Fringes
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Laborers:

CALLAM, GRAYS HARBOR,  
 ISLAND, JEFFERSON, KING,  
 KITSAP, LEWIS, MASON,  
 PACIFIC (NORTH OF STRAIGHT  
 LINE MADE BY EXTENDING THE  
 NORTH BOUNDARY WAHKAIAKUM  
 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

Entire Wage Determination revised by Amendment A003 |

Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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

Entire Wage Determination revised by Amendment A003 |

Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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, aiartrac); Faller and Bucker Chain Saw; Grade Checker and Transit Person; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B); High Scaler; Jackhammer; Laserbeam 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 glas 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).

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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

Entire Wage Determination revised by Amendment A003 |

Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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 squeezecrete 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: Asphalt 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

Entire Wage Determination revised by Amendment A003 |

#### Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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

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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

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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):

Entire Wage Determination revised by Amendment A003 |

Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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)

Entire Wage Determination revised by Amendment A003 |

Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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 Nozzelman; 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

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LABO0335-010 06/01/2007

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
Hod Carrier.....	\$ 27.96	8.25

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PAIN0005-002 06/01/2007

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

	Rates	Fringes
Painters: STRIPERS.....	\$ 25.38	11.02

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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
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Entire Wage Determination revised by Amendment A003 |

Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

PAINTER.....\$ 19.91 6.85

\* PAIN0005-006 07/01/2007

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

Table with 2 columns: Rates, Fringes. Rows include Painters: Application of Cold Tar Products, Epoxies, Polyurethanes, Acids, Radiation Resistant Material, Water and Sandblasting, Bridges, Towers, Tanks, Stacks, Steeples...\$ 20.84 7.38, Over 30'/Swing Stage Work..\$ 21.54 7.38, Brush, Roller, Striping, Steam-cleaning and Spray....\$ 15.09 6.18, Lead Abatement, Asbestos Abatement.....\$ 20.84 7.38, TV Radio, Electrical Transmission Towers.....\$ 21.59 7.38, Over 30'/Swing Stage Work..\$ 22.29 7.38

\*\$.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 04/01/2008

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

Table with 2 columns: Rates, Fringes. Rows include Painters: Brush & Roller.....\$ 19.88 7.05, High work - All work 60 ft. or higher.....\$ 20.63 7.05, Spray and Sandblasting.....\$ 20.48 7.05

PAIN0055-007 06/01/2007

CLARK, COWLITZ, KLICKITAT, SKAMANIA and WAHKIAKUM COUNTIES

Table with 2 columns: Rates, Fringes. Rows include Painters: HIGHWAY & PARKING LOT STRIPER.....\$ 28.27 8.27

Entire Wage Determination revised by Amendment A003

Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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

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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

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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

Entire Wage Determination revised by Amendment A003 |

Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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 01/01/2008

CLALLAM, KING AND JEFFERSON COUNTIES

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 39.88	17.51

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PLUM0032-003 06/01/2007

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

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 26.78	14.29

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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

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PLUM0082-001 06/01/2007

Entire Wage Determination revised by Amendment A003 |

Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

CLARK (NORTHERN TIP INCLUDING WOODLAND), COWLITZ, GRAYS HARBOR, LEWIS, MASON (EXCLUDING NE SECTION), PACIFIC, PIERCE SKAMANIA, THURSTON AND WAHAKIYAKUM 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 04/01/2008		

CLARK (ALL EXCLUDING NORTHERN TIP INCLUDING CITY OF WOODLAND)

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 35.69	16.39
-----		
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), KLUCKITAT, 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		

Entire Wage Determination revised by Amendment A003 |

Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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

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TEAM0037-002 06/01/2008

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

Entire Wage Determination revised by Amendment A003 |

Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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 trucks: 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 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)

Entire Wage Determination revised by Amendment A003 |

Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

\* 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,

Entire Wage Determination revised by Amendment A003 |

Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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.

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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

Entire Wage Determination revised by Amendment A003 |

Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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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 Hydraulic 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

Entire Wage Determination revised by Amendment A003 |

Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs

WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

(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 opeprated 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 splash 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

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

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.

Entire Wage Determination revised by Amendment A003 |

Wage Determination

WA FS ERFO 2007(1)-20(18) Coal Lake Road and Mallardy Creek Bridge Emergency Repairs  
WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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.

=====  
 END OF GENERAL DECISION

Entire Wage Determination revised by Amendment A003 |

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[Revised by Amendment A003](#)

Special Contract Requirements

Project: WA FS ERFO 2007(1)-20(18), Coal Lake Road and Mallardy Creek Bridge Emergency Repairs [and](#) WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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Revised by Amendment A003

Special Contract Requirements  
Project: WA FS ERFO 2007(1)-20(18), Coal Lake Road and Mallardy Creek Bridge Emergency Repairs and WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

## Section 105.— CONTROL OF MATERIAL

### 105.02 Material Sources. Amend as follows:

#### (a) Government-provided sources. Add the following:

There are no Government-provided sources for this project.

#### (b) Contractor-located sources. Add the following to the first paragraph:

Obtain permits and clearances according to Subsection 107.10. Provide certification to the CO that the site has been inspected and is weed free prior to transporting and placing material from that site.

### 105.04 Storing and Handling Material. Delete the text of the second paragraph and substitute the following:

Use closed areas of the roadway [or portions of the right-of-way approved by the CO](#) for staging or storing of materials such as culverts, geotextile fabric, [bridge railing, reinforcing steel](#) temporary traffic control devices, and for equipment parking, as approved by the CO.

Provide additional space as needed. Do not use private property for staging or storage without written permission of the owner or lessee. Furnish copies of all agreements. Secure all permits and clearances for use of the storage area and provide copies of the documents. Obtain permits according to Subsection 107.10. Restore all Government-provided storage sites to their original condition.

[Revised by Amendment A003](#)

Special Contract Requirements

Project: WA FS ERFO 2007(1)-20(18), Coal [Lake Road](#) and Mallardy Creek Bridge Emergency Repairs [and WA FS ERFO 2008\(1\)-20\(1\) Hard Creek Bridge Emergency Repair](#)

**(3) Species Protected Under the Endangered Species Act of 1973.** Submit written documentation satisfactory to the CO that the proposed action will have no effect to any threatened or endangered species or their critical habitat. Provide either:

(a) A current list of all threatened or endangered species in the site of proposed activities from the U.S. Fish and Wildlife Service; and a recommendation of a "no effect" determination according to Section 7 of the Endangered Species Act prepared by a biological specialist with a minimum of 3 years of experience in Endangered Species Act compliance or other qualifications acceptable to the CO. Allow up to 30 days to obtain the current list of all threatened or endangered species from the U.S. Fish and Wildlife Service; or

(b) Documentation showing the proposed activities have previously been determined to comply with the Endangered Species Act and this determination remains valid. This documentation must be from the State, Tribal Government or Federal Land Management Agency responsible for the land. Attach evidence of compliance, including correspondence with the U.S. Fish and Wildlife Service.

**(4) Wetlands as Defined by the U.S. Army Corps of Engineers' 1987 Wetland Delineation Manual (WDM).** Submit written documentation satisfactory to the CO, that the proposed action will comply with Section 404 of the Clean Water Act, Executive Order 11990, and will not affect any wetlands. Documentation must be prepared by a wetland specialist with a minimum of 3 years of experience in wetland delineation using WDM or other qualifications acceptable to the CO.

**(5) Federal Lands.** Before use of sites on federal lands, submit a copy of the Letter of Approval or Special Use Permit from the applicable federal agency allowing use of the site for intended purposes.

**(6) Tribal, State and Local Approvals.** Comply with applicable laws regarding the proposed activities. Submit copies of required clearances, including hazardous waste compliance, tribal, State and local permits and approvals.

Allow 12 days (in addition to other agency time requirements) for approval of documents submitted to the CO.

**(c) Oil and Hazardous Substances.** Submit a Spill Prevention, Control, and Countermeasure (SPCC) plan for sites that meet the requirements of 40 CFR Part 112. Owners and operators must comply by July 1, 2009.

At present, a SPCC plan is required on or before July 1, 2009 for sites in operation after July 1, 2009 that store petroleum and synthetic oil products with a maximum above-ground combined capacity greater than 1,320 gallons (5,000 liters). This includes bulk storage containers (including tanks on trucks and construction equipment used to store and transfer oil products) with a capacity greater than 55 gallons (210 liters). It does not include tanks used primarily to power the movement of the motor vehicle or ancillary onboard oil-filled operational equipment.

Submit the SPCC plan by June 28, 2009.

[Format revised by Amendment A003](#)

Special Contract Requirements

Project: WA FS ERFO 2007(1)-20(18), Coal Lake Road and Mallardy Creek Bridge Emergency Repairs and WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

Submit and follow a Hazardous Spill Plan when a SPCC plan is not in effect. Submit the plan at least 2 days before beginning work. Develop a plan describing what actions will be taken in case of a spill and incorporate preventative measures to be implemented (such as the placement of refueling facilities, storage and handling of hazardous materials, etc).

Do not use equipment that is leaking fluids. Repair leaks on equipment immediately. Keep a supply of absorbent materials at the job site in the event of spills. Acceptable absorbent materials are those manufactured specifically for the containment and clean up of hazardous materials.

Immediately notify the CO of all hazardous spills.

**(d) Other Requirements.** Comply with the following requirements:

(1) Any cultural resources, paleontological remains and archeological specimens found within the construction area are the property of the Forest Service and will be removed only by designated representatives. Should the Contractor's operations, employees, or subcontractors operations uncover or find any cultural resources, paleontological remains or archeological specimens, suspend operations at the site of discovery and notify the CO immediately of the findings. Operations may continue in other areas. Include in the notification a brief statement of the location and details of the finding.

(2) If work is in the active channel, divert water around the project site. Submit a water diversion plan to the CO for approval 5 days prior to beginning work.

(3) (Applies to Hard Creek Site) Equipment Cleaning. All vehicles and equipment will be inspected before their entry into the Forest Service land for mud, dirt, weeds, weed seeds, and other unwanted substances. Power wash all earthmoving equipment (excluding hauling vehicles) before entry into the Forest. Clean hauling vehicles before their initial entry into the Forest Service land subsequent entries will not require cleaning, unless requested. Notify the CO a minimum of 24 hours in advance of entry of vehicles and equipment into the Forest Service land. Provide written certification of vehicle washing before entering the project work site. Power wash all earthmoving equipment before leaving the project.

(4) (Applies to Hard Creek Site) Before delivery of rock, sand, aggregate, earth, or other natural material to the Hard Creek Bridge project from a material source, ensure that the material is certified weed free. Do not stockpile the material outside of the project site prior to delivery. Contact the Skagit County Noxious Weeds Department, Coordinator William Rogers, to certify the source as weed free or to provide mitigation measures to achieve weed free status.

Skagit County Noxious Weeds Department  
11768 Westar Lane, Suite A  
Burlington, WA 98233  
Telephone: (360) 336 – 9430 Email: [williamr@co.skagit.wa.us](mailto:williamr@co.skagit.wa.us)

(5) If work is in the active stream channel, divert water around the work according to Subsection 157.09.

Revised by Amendment A003

Special Contract Requirements

Project: WA FS ERFO 2007(1)-20(18), Coal Lake Road and Mallardy Creek Bridge Emergency Repairs and WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

## **Section 108.— PROSECUTION AND PROGRESS**

### **108.01 Commencement, Prosecution, and Completion of Work. Amend as follows:**

Add the following:

Furnish at least 48 hours advance notice before changing the current work schedule. Work schedule changes that include additional shifts require 14 days notice.

Add the following:

Perform work under this contract according to the following:

- (a) Do not perform construction operations between 6 p.m. Friday and 6 a.m. the following Tuesday of the Memorial Day and Labor Day weekends.

Delete the text of the second paragraph and substitute the following:

A preconstruction conference will be held after the task order is awarded and before beginning work. Provide a work plan according to Section 155.

#### **108.01A Labor. (Added Subsection.)**

Follow the requirements of FAR Clause 52.222-6 Davis Bacon Act.

Adjacent or virtually adjacent work sites are defined to be work sites within ½ mile of the project. Application of the Davis-Bacon Act for work sites beyond ½ mile of the project will be determined by the CO.

#### **108.04 Failure to Complete Work on Time. Delete the text and table of this Subsection and substitute the following:**

Follow the requirements of FAR Clause 52.211-12 Liquidated Damages — Construction.

Liquidated damages in the amount specified in Table 108-1 will be assessed for each calendar day beyond the time specified in the contract until substantial completion of the work.

Liquidated damages will not be assessed for the following:

- (a) The day of the final inspection.
- (b) Days required to perform work added to the contract after substantial completion including items identified during the final inspection that were not required before that time.

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## Section 153.— CONTRACTOR QUALITY CONTROL

Delete the text of this Section and substitute the following:

### Description

**153.01** This work consists of performing quality control tests, providing inspection, and exercising management control to ensure that work conforms to the contract requirements. See FAR Clause 52.246-12 Inspection of Construction.

### Construction Requirements

**153.02 Quality Control Manager.** Ensure the manager is onsite during all phases of work. Duties include coordinating and supervising the quality control system for all work including subcontractors and suppliers. The quality control manager is permitted to perform inspection duties. Allow sufficient authority to assure work is performed according to requirements, which includes stopping work that is not in compliance.

Furnish a manager with at least five years experience in highway or road construction, specifically in the areas of material testing, inspection, management, supervision, and quality control. Submit in writing the name, experience, and line of authority for acceptance. Identify an alternate for the manager to serve in the event of the manager's absence.

The superintendent or project manager, or project foreman may be designated as the quality control manager.

**153.03 Quality Control Plan.** Submit a written quality control plan for the work features listed below. Allow 2 working days for acceptance or rejection prior to commencing the work.

- Embankment Construction (Section 204)
- Riprap (Section 251)
- Minor Crushed Aggregate (Section 308); and
- Minor Hot Asphalt Concrete (Section 404) Structural concrete (Section 552);
- Reinforcing steel (Section 554); and
- Shotcrete (Section 566);

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Include the following in the plan for selected work features as a supplement to the sampling and testing requirements located at the end of each Section:

- a brief narrative of how the work will be accomplished describing methods, crews and equipment;
- processes to ensure the completed work conforms to contract requirements; including quality control, inspection and testing activities for the work;
- inspection and testing frequencies to ensure that processes remain valid and work is being performed according to the established processes; and
- actions to be taken if inspection or testing reveals the work is not meeting contract requirements.

Modifications or additions to the plan may be required to meet quality requirements. Supplement the plan as work progresses and whenever there are changes in procedures or personnel. Include work accomplished by subcontractors and suppliers, both on and off-site. Do not duplicate those plans required by other contract provisions.

For developing quality control plans, “*Quality Control Plan Checklist*” (Form WFLHD 471C) may be used. An electronic version is available at:

<http://www.wfl.fha.dot.gov/other/it/forms/wflhd471c.xls>.

**153.04 Quality Control Testing.** Perform testing according to the accepted quality control plan. Samples may be required to demonstrate testing competence. Provide and maintain a record of all the tests taken according to Subsection 153.03 and applicable work.

**153.05 Government Quality Assurance Inspection.** Provide a copy of the quality control test records to the CO as work is completed.

**153.05A Quality Control Sampling and Testing.** Provide sampling and testing as listed in Table 153-1.

Testing of trial samples may be required to demonstrate testing competence.

Sample and split samples according to AASHTO or other acceptable procedures. Allow the CO the opportunity to witness all sampling. Immediately perform splits when required. Deliver the Government’s portion of the sample or split sample in an acceptable container suitable for shipment. Label all samples with the following information:

- Project number;
- Source of material;
- Pay item number;

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- Sample number;
- Date sampled;
- Time sampled;
- Location sample taken;
- Name of person sampling;
- Name of person witnessing sampling; and
- Type of test required on sample.

Provide the following documentation:

**(a) Quality Control Test Results.** Report test results on forms containing all sample information required by Subsection 153.05. Attach work sheets used to determine test values to the test result forms when submitted.

**(b) Control Charts.** Maintain linear control charts that identify the project number, contract item number, test number, each test parameter, the upper and/or lower specification limit applicable to each test parameter, and test results. Use the control charts to document the variability of the process, identify production and equipment problems, and identify potential pay factor adjustments. Make corrections to the process when problems are evident. Post charts on site at the Contractor's project testing lab or other location.

**153.06 Government Quality Assurance Inspection.** Submit a "*Notification of Completion of Work*" (Form WFLHD 470) when the following work is ready for inspection:

**(a)** Allow 1 working day for the following work to be inspected.

(1) Survey and staking (field stakes and notes). Provide survey notes for the following:

- (a) Control points – before disturbing original control points;
- (b) Clearing limits – before starting clearing and grubbing operations;
- (c) Slope stakes – before starting excavation;
- (d) Subexcavation – before backfilling;
- (e) Guardrail – before starting installation;
- (f) Bridge – before starting work on each component;

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(g) Walls – before starting work; and

(h) Fence – before starting installation.

(2) Construction work.

(a) Subgrade – before placing pavement structure;

(b) Any layer of pavement structure requiring hubs – before placing next layer; and

(c) Structural excavation – before backfilling.

(b) Allow 1 working day (except as noted) to inspect the following work. Do not continue work on items listed below until receipt of form WFLHD 470 indicating the work will not be inspected, the work was inspected and no deficiencies were found, or unless authorized by the CO. Work delayed in excess of the inspection period will be evaluated according to FAR Clause 52.242-14 Suspension of Work.

(1) Forms and reinforcing steel – before placing concrete.

(2) Concrete deck – before placing concrete (perform checks of all deck pour requirements, including dry run results before inspection).

**153.06A Acceptance.** Contractor quality control will be evaluated under Subsections 106.02 and 106.03 based on the demonstrated ability of Contractor's quality control system to ensure work meets the contract requirements.

If the Government's testing and inspection (quality assurance) indicate that the Contractor's quality control system is ineffective or the plans are not being followed; make immediate improvements to correct inadequacies. Furnish notification in writing of improvements and modifications to the system.

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## **Section 154.— CONTRACTOR SAMPLING AND TESTING**

### **Construction Requirements**

**154.02 Sampling.** Amend as follows:

Add the following to the first paragraph:

When samples are required at the Vancouver Laboratory, send to

**Material Section  
Western Federal Lands Highway Division  
610 East Fifth Street  
Vancouver, Washington 98661**

If samples are sent other than normal delivery vendors, call 360.619.7747 or 360.619.7592 before delivery. Deliveries will be accepted from 7 a.m. to 2:30 p.m. PT (Monday - Friday).

Access to the government complex is controlled. Check-in is required at the main building entrance located on East Fifth Street. Directions will be given for delivery of samples.

Add the following:

The sampling frequencies and reporting times are listed in the individual sections ordering the work. See Section 566 for additional sampling and testing requirements.

### **Measurement**

**154.06** Delete the text of this Subsection and substitute the following:

Do not measure contractor quality control for payment .

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## Section 155.— SCHEDULES FOR CONSTRUCTION CONTRACTS

Delete this Section and substitute the following:

### Description

**155.01** This work consists of scheduling and monitoring all construction activities. Follow the requirements of FAR Clause 52.236-15, Schedules for Construction Contracts.

### Construction Requirements

**155.02 General.** Submit 3 copies of a preliminary work plan at least 7 days before the preconstruction conference.

A preliminary work plan is a written narrative with a detailed breakdown of all contract activities for the first 21 days after the notice to proceed is issued. Within 7 days after the preconstruction conference, the preliminary work plan will be accepted or rejected. If rejected, submit a revised plan within 3 days. Do not begin work, except mobilization, traffic control, and Section 637 work, without an accepted preliminary work plan.

**155.03 Bar Chart Method (BCM).** The BCM construction schedule consists of a progress bar chart and a written narrative. Include the contract number, project number, project name, Contractor name, current fixed completion date, date of submittal, and submittal number.

**(a) Progress bar chart.** The following applies to the initial submission and all updates:

- (1) Use a time scale to graphically show the percentage of work scheduled for completion during the contract time;
- (2) Show all activities in the order the work will be performed, including submittals, submittal reviews, fabrication, and delivery;
- (3) Show all critical (major) activities that are controlling factors in the completion of the work;
- (4) Show the time needed to perform each activity and its relationship in time to other activities;
- (5) Show the total expected time to complete all work; and

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(6) Provide enough space for each activity to permit 2 additional plots parallel to the original time span plot. Use one space for revision of the planned time span, and one for showing actual time span achieved.

**(b) Written narrative.** Furnish a written narrative of the activities displayed in the progress bar chart. The following applies to the written narrative:

- (1) Estimate starting and completion dates of each activity;
- (2) Describe work to be done within each activity including the type and quantity of equipment, labor, and material to be used;
- (3) Describe the location on the project where each activity occurs;
- (4) Describe planned production rates by quantity (e.g., cubic meters of excavation per day/week);
- (5) Describe work days per week, holidays, number of shifts per day, and number of hours per shift;
- (6) Estimate any periods during which an activity is idle or partially idle. Show the beginning and end dates for reduced production or idle time;
- (7) Describe expected and critical delivery dates for equipment or material that can affect timely completion of the project;
- (8) Describe critical completion dates for maintaining the construction schedule; and
- (9) Identify the vendor, supplier, or subcontractor to perform the activity. State all assumptions made in the scheduling of the subcontractor's or supplier's work.

Submit 3 paper copies and one electronic copy of the schedule within 20 days after the Notice to Proceed has been issued. In case of discrepancy, the paper version will govern over the electronic version of the schedule.

Show completion of work within the contract time.

Allow 2 days for approval or rejection of the schedule. If rejected, submit a revised schedule within 2 days.

A maximum of 10 percent of the total progress payment amount will be retained if an acceptable schedule is not received within 30 days after the Notice to Proceed is issued.

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**155.04 Schedule Updates.** Review the construction schedule to verify or adjust; start dates of activities underway and finish dates of completed activities; remaining duration of uncompleted activities; planned start and finish dates and durations; and proposed logic. Inform the CO of all changes.

Submit three copies of an updated construction schedule for acceptance by the 15th day of each month or within 2 days of:

- (a) A delay occurs in the completion of a critical (major) activity;
- (b) A delay occurs which causes a change in a critical activity for BCM schedules;
- (c) The actual prosecution of the work is different from that represented on the current construction schedule;
- (d) There is an addition, deletion, or revision of activities caused by a contract modification; or
- (e) There is a change in the schedule logic.

Show completion of work within the contract time.

Allow 2 days for approval or rejection of the schedule. If rejected, submit a revised schedule within 2 days.

Use the approved initial or previous construction schedule as the baseline for the current construction schedule update.

A maximum of 10 percent of the total progress payment amount will be retained if an acceptable schedule is not received by the 15<sup>th</sup> day of the month.

**155.05 Records.** Submit a list of all records and documents that track progression of work. Indicate who will be responsible for maintaining the records and where the records will be located.

Provide the following documents:

- (a) **Notification of Completion of Work.** Submit a completed WFLHD 470 *Notification of Completion of Work* when work is ready for inspection by the Government according to Subsection 153.06.

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**(b) Construction Operations Report.** For each day of work, submit a completed “Contractor's Daily Record of Construction Operations” (Form WFLHD 465) or an approved alternate form within one day of the work being performed.

*"I certify that the information contained in this record is accurate, and that all work documented herein complies with the requirements of the contract. Any exceptions to this certification are documented as a part of this record."*

For an electronic version of the form go to:

<http://www.wfl.fha.dot.gov/other/it/forms/wflhd465A.pdf>

**155.06 Acceptance.** Construction schedules, records, and documents will be evaluated under Subsection 106.02.

### **Measurement**

**155.07** Measure the work described in this section according to Subsection 109.02.

### **Payment**

**155.08** The accepted quantities will be paid as part of the lump sum contract price. Payment will be full compensation for the work prescribed in this Section. See Subsection 109.05.

Progress payments for construction schedule will be paid as follows:

(a) 0.5 percent of the lump sum contract price, will be paid after the construction schedule is accepted.

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## Section 156.— PUBLIC TRAFFIC

### Construction Requirements

#### **156.03 Accommodating Traffic During Work.** Add the following:

No public access is required for Coal Lake Road and Mallardy Creek Bridge during construction.

Closure of the Hard Creek Bridge and adjacent roadway is required for the duration of the project work. Approximate closure points are shown on the plans. The exact closure locations will be designated by the CO. Comply with the following requirements:

- (1) At least 2 days in advance of the road closure, publish notices of the road closure in local newspapers and notify local radio stations, as listed in Subsection 107.03A. Provide notices on a weekly basis and continue until no longer applicable.
- (2) Install the “Ref-1” sign at least 2 days before closure. See Plan Sheet D.1.
- (3) During road and bridge closure, provide unhindered access for Mount Baker-Snoqualmie National Forest and North Cascades National Park administrative traffic and employee commuter traffic, through the project for a minimum of one hour in the morning, one hour at mid day, and one hour in the evening. The exact times for these will be designated by the CO.
- (4) During road and bridge closure, do not allow public traffic through the closure area.
- (5) During road and bridge closure, immediately provide access through the closure area at all times for emergency vehicles.

#### **156.06 Limitations on Construction Operations.** Add the following:

- (k) Limit work as provided for in Subsection 107.10.

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## **Section 203.— REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

### **203.01** Add the following:

This work applies to the Hard Creek site and consists of removing two boulders, one boulder leaning against the upstream side of the bridge deck and the adjacent boulder.

### **203.04 Removing Material.** Delete the text of this Subsection and substitute the following:

**(a) General.** Saw cut sidewalks, curbs, pavements, and structures when partial removal is required.

Construct structurally adequate debris shields to contain debris within the construction limits. Do not permit debris to enter waterways, travel lanes open to public traffic, or areas designated not to be disturbed.

Raze and remove all buildings, foundations, pavements, sidewalks, curbs, fences, structures, and other obstructions interfering with the work and not designated to remain.

Where part of an existing culvert is removed, remove the entire culvert upstream from the removal. The remaining downstream culvert may be left in place if no portion of the culvert is within 4 feet of the subgrade, embankment slope, or new culvert or structure; and the culvert ends are sealed with concrete.

Remove structures and obstructions in the roadbed to 3 feet below subgrade elevation. Remove structures and obstructions outside the roadbed to 2 feet below finished ground or to the natural stream bottom.

Abandon existing manholes, inlets, catch basins, and spring boxes according to Subsection 604.07.

Except in excavation areas, backfill and compact cavities left by structure removal with backfill material to the level of the finished ground. Backfill excavated areas according to Subsection 209.10. Compact backfill according to Subsection 209.11.

**(b) Concrete removal by mechanical impact methods.** Saw cut  $\frac{3}{4}$  inch deep along all boundaries of repair areas.

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Use power-driven hand tools to remove existing concrete with the following restrictions:

- (1) Do not use jack hammers heavier than 30 pounds.
- (2) Do not operate jack hammers and mechanical chipping tools at an angle in excess of 45° from the surface of the slab.
- (3) Do not use chipping hammers heavier than nominal 15-pound class to remove concrete from beneath reinforcing bar.

Where the bond between existing concrete and reinforcing steel is destroyed, remove all concrete adjacent to the steel to provide at least ¾-inch clearance for the new concrete to bond to the steel.

Use hand tools (hammers and chisels) to remove final particles of concrete or to achieve the required depth.

After removal of deteriorated and unsound concrete, sandblast all exposed structural steel, reinforcing steel, and concrete surfaces that will be in contact with repair material. Remove all rust and foreign material. Clean the sound concrete surface by flushing with a high-pressure water jet or oil-free compressed air.

**(c) Reinforcing steel.** Do not cut or damage reinforcing steel designated to remain in place. Repair or replace all damaged or severely deteriorated bars.

Clean all exposed reinforcing steel that is to remain in place. Remove all rust and corrosive products, including oil, dirt, concrete fragments, laitance, loose scale, and other coatings that may destroy or inhibit the bond with new concrete.

If cleaned reinforcing steel will be exposed for more than 7 days, protect the steel from corrosion and contamination. If the steel becomes corroded or contaminated, clean the steel immediately before the concrete pour.

**(d) Boulders.** Remove the boulders (measuring approximately 10 x 10 x 6 feet and 6 x 6 x 5 feet) before working below the bridge deck or removing the damaged bridge deck section. Remove debris from creek generated during boulder removal. Blasting the boulder is not permitted. Reduce the boulder using a mechanical breaker, boulder buster, expansive chemical, or expansive grout. Submit a Boulder Removal Plan explaining the method that will be used to remove the boulders at least 14 calendar days before removing the boulders. The CO will evaluate the Plan and accept or reject it within 7 calendar days of receipt of the Boulder Removal Plan.

### Measurement

**203.07** Delete the text of this Subsection and substitute the following:

Do not measure removal of structures and obstructions for payment.

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**Section 556.— BRIDGE RAILING**

**Measurement**

**556.11** Delete the text of this Subsection and substitute the following:

Do not measure bridge railing for payment.

**Payment**

**556.12** Delete the text of this Subsection and substitute the following:

The accepted work will be paid as part of the lump sum bid price for this project. Payment will be full compensation for the work prescribed in this Section. See Subsection 109.05.

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## Section 566.— SHOTCRETE

### Description

**566.01** Delete the text of this Subsection and substitute the following:

This work consists of constructing one or more courses of steel fiber reinforced structural shotcrete for foundation underpinning. Steel fiber reinforced structural shotcrete consists of one or more layers of shotcrete conveyed through a hose and pneumatically projected and compacted at a high velocity against a prepared surface. This work also consists of installing drain pipes in the shotcrete.

### Material

**566.02** Delete the text of this Subsection and substitute the following:

Conform to the following Subsections:

Air-entraining admixture (wet mix only)	711.02
Chemical admixtures (wet mix only)	711.03
Curing material	711.01
Hydraulic cement	701.01
Pozzolans	725.04
Reinforcing fibers	725.29
Shotcrete aggregate	703.18
Water	725.01(a)

Shotcrete aggregate grading is C as shown in Table 703.15.

### Construction Requirements

**566.03 Composition (Shotcrete Mix Design).** Delete the text of this Subsection and substitute the following:

Design and produce shotcrete mixtures that conform to Table 566-1. Create a shotcrete mixture that uses 2 percent steel fibers by volume.

Verify mix design with trial mixes prepared from the same source proposed for use. Submit five copies of the following for acceptance at least 14 days before placing shotcrete:

- (a) Proposed shotcrete mix design with mix proportions. Include the dosage and type of any admixture with proposed mix design;
- (b) Shotcrete materials certifications, including cementitious materials, aggregates, steel fibers, admixtures and curing compounds;

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- (c) Appropriate test results of shotcrete materials to meet the requirements of table 566-1. If requested by the CO, include representative samples of shotcrete materials;
- (d) Reinforcing fiber manufacturer’s product literature and sample of fibers. Include method of incorporating fibers into shotcrete;
- (e) Accelerator compatibility certifications if accelerator is used;
- (f) Proposed methods for applying shotcrete, including methods for controlling and maintaining shotcrete thickness and methods for providing curing and protection of in-place shotcrete during hot and cold weather;
- (g) Description of equipment for mixing and applying shotcrete. Include the manufacturer’s instructions, recommendations, literature, performance, and test data. In addition to meeting equipment requirements in ACI 506, provide the following:

(1) **Water supply system.** For dry mix, provide a job site water storage tank. Provide a positive displacement pump with a regulating valve that is accurately controlled to provide water at the required pressure and volume.

(2) **Mixing.** Use equipment capable of handling and applying shotcrete containing the specified maximum size aggregate and admixtures. Provide an air hose and blowpipe to clear dust and rebound during shotcrete application.

(h) Other information necessary to verify compliance with ACI 506.2.

**Table 566-1  
Composition of Shotcrete**

Type of Shotcrete Process	Minimum Cement Content (pounds per cubic yard)	Maximum W/C Ratio	Air Content Range %	Minimum 3-Day Strength (pounds per square inch)	Minimum 28-Day Strength (pounds per square inch)	Maximum Boiled Absorption %
Wet (AE)	137.50	0.45	6 min.	2000	5000	9
Dry (AE)	137.50	0.45	6 min.	2000	5000	9

(1) As determined by AASHTO T260

Allow 14 days for acceptance or rejection of submittals. Do not begin work until submittals have been approved. Resubmit any proposals to change or modify the approved submittals for approval before using. The CO will accept or reject the new proposals within 14 days of receipt of revised submittals. No contract time adjustment will be allowed due to incomplete submittals.

**566.03A Qualifications.** (Added Subsection.)

Submit in writing to the CO 30 days before starting shotcrete work the qualifications of each foremen, nozzlemen, and finishers assigned to the project.

Include the name of the past project, location, brief description of shotcrete work performed, a current contact (name, address, and phone number) for the owner of which the work was performed and the following:

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(a) **Foreman.** Provide foremen experienced in shotcrete construction on at least five projects of similar character and complexity.

(b) **Shotcrete nozzleman.** Provide personnel who have successfully completed at least three projects within the past five years as a shotcrete nozzleman.

Submit written proof of certification according to ACI 506.3R “Guide to Certification of Shotcrete Nozzleman” or demonstrate satisfactory completion of preconstruction test panels according to Subsection 566.08.

**566.06 Shotcrete Construction.** Delete the text of this Subsection and substitute the following:

Submit a plan in writing detailing how the area under the footings will be excavated and detailing how the shotcrete will be installed. Apply shotcrete according to ACI 506R and the following:

(a) **Excavation.** Excavation of each abutment footing can be accomplished simultaneously. Stage the construction so that each footing is repaired in no less than 3 stages. Limit excavation to 10 foot horizontal segments along the footing. Place and cure shotcrete before beginning the next excavation segment. Include the void below Abutment 2 footing in the first segment of excavation. Excavate material to bedrock. Remove all loose material and install anchors.

(b) **Surface preparation.** Clean existing surfaces of loose materials and other foreign matter. Remove curing compound on previously-placed shotcrete surfaces by sandblasting. Divert water flow and remove standing water within the application area. Install approved depth gauges to indicate the thickness of the shotcrete layers. Install depth gauges on 6-foot centers longitudinally and transversely with no less than two gauges per increment of surface area to receive the shotcrete. Moisten all surfaces.

(c) **Temperature and Weather Conditions.** Maintain the temperature of the shotcrete mix between 50°F and 90°F. Place shotcrete when the surface and ambient temperature is at least 40°F and rising. Do not perform shotcrete operations during high winds and heavy rains. Schedule the work when favorable ambient conditions prevail or take mitigating measures such as installing sunscreens, wind breaks or heating tents to adequately protect the work.

(d) **Shotcrete application.** Use the same nozzle men that created acceptable test panels.

(1) Apply shotcrete within 45 minutes of adding cement to the mixture.

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(2) Limit the layer thickness of each shotcrete application to 6 inches. Thicker applications may be approved if the Contractor can demonstrate that no sloughing or sagging is occurring. If additional thickness is required, broom or scarify the applied surface and allow the layer to harden. Dampen the surface before applying an additional layer.

(3) Apply the shotcrete from the lower part of the area upwards to prevent accumulation of rebound. Maintain the thickness of the shotcrete application to avoid slumping. Orient nozzle approximately perpendicular to the working face and at a distance such that rebound is minimized and compaction is maximized. Use a blowpipe to remove slumped shotcrete from the rock surface or any accumulated rebound immediately ahead of the nozzle. Do not incorporate rebound or slumped shotcrete into final shotcrete.

(4) Taper construction joints to a thin edge over a distance of at least 12 inches. Wet the joint surface before placing additional shotcrete on the joint. Do not use square construction joints.

(5) Repair any shotcrete surface defects as soon as possible after placement. Remove and replace shotcrete that exhibits segregation, honeycombing, lamination, voids, or sand pockets.

(6) Finish the shotcrete with a smooth vertical surface in line with the edge of the footing.

**(d) Production sampling.** Prepare at least one test panel per shift or as directed by the CO. Construct production test panel from 18-inch by 18-inch by 4-inch wood form. Take core samples from the production test panel in accordance with AASHTO T 24.

#### **566.06A Drain Pipes. (Added Subsection.)**

Construct drain pipe according to Section 605. Install drain pipe through the shotcrete to drain water from behind the shotcrete mass. Install the drains so that the geotextile backing is in intimate contact with the underlying soil or rock surface.

Provide additional drainage measures, as needed, in addition to the described pattern or adjust the spacing of the drain pipes as directed by the CO to allow proper drainage of any observed springs or seeps exposed as surface preparation proceeds.

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**566.07 Curing Shotcrete.** Delete the text of this Subsection and substitute the following:

Cure the surface according to Subsection 552.15 (b).

Begin curing immediately after the free surface water has evaporated and the finishing is complete.

Keep shotcrete surfaces from freezing for at least 7 calendar days after application. Maintain shotcrete at a temperature above 40 °F until shotcrete has achieved a minimum compressive strength of 750 pounds per square inch.

**566.09 Acceptance.** Add the following:

Drain pipes will be evaluated under Section 261.

### **Measurement**

**566.10** Delete the text of this Subsection and substitute the following:

Do not measure shotcrete for payment.

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**Section 575.— MINOR BRIDGE WORK  
(ADDED SECTION)**

**Description**

**575.01** This work consists of removing boulders adjacent to damaged bridge sections and providing repairs to footings.

**Material**

**575.02** Conform to the following Section:

Rock dowels	261
-------------	-----

**Construction Requirements**

**575.03 General.** Remove boulders according to Section 203.

**575.04 Rock dowels.** Excavate material below the footings according to Subsection 566.06(a).  
Install rock dowels according to Section 261.

**575.05 Acceptance.** Work will be evaluated under Section 106.02.  
Rock dowels will be evaluated under Section 261.

**Measurement**

**575.06** Delete the text of this Subsection and substitute the following:  
Do not measure minor bridge work for payment.

**Payment**

**575.07** Delete the text of this Subsection and substitute the following:  
The accepted work will be paid as part of the lump sum bid price for this project. Payment will be full compensation for the work prescribed in this Section. See Subsection 109.05.

Revised by Amendment A003

Special Contract Requirements  
Project: WA FS ERFO 2007(1)-20(18), Coal Lake Road and Mallardy Creek Bridge Emergency Repairs and WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

## **Section 601.— MINOR CONCRETE STRUCTURES**

### **Construction Requirements**

**601.07 Acceptance.** Delete the text of this Subsection and substitute the following:

Material for minor concrete structures will be evaluated under Subsections 106.02 and 106.03.

Excavation and backfill will be evaluated under Section 209.

Construction of minor concrete structures will be evaluated under Subsections 106.02 and 106.04.

Delete Table 601-2 Sampling and Testing Requirements.

### **Measurement**

**601.08** Delete the text of this Subsection and substitute the following:

Do not measure minor concrete structures for payment.

Revised by Amendment A003

Special Contract Requirements

Project: WA FS ERFO 2007(1)-20(18), Coal Lake Road and Mallardy Creek Bridge Emergency Repairs and WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

## **Section 625.— TURF ESTABLISHMENT**

### **Construction Requirements**

**625.01** Delete the text of this Subsection and substitute the following:

This work consists of soil preparation, seeding and mulching.

**625.03** Delete the text of this Subsection and substitute the following:

Apply turf establishment to finished slopes and exposed bare soils. Do not apply turf establishment during windy weather or when the ground is excessively wet, frozen, snow covered, extremely dry, cloddy, hard pan, or not friable.

**625.05 Watering.** Delete the text of this Subsection.

**625.07 Seeding.** Add the following to paragraph (b) Hydraulic method:

At the Coal Lake Road and Mallardy Bridge site apply the seed at the rate of 76 pounds of live seed per acre.

At the Hard Creek Bridge site, apply seed mixture conforming to Subsection 713.04 at the rate of 94 pounds of live seed per acre.

### **Measurement**

**625.11** Delete the text of this Subsection and substitute the following:

Do not measure turf establishment for payment.

Revised by Amendment A003

Special Contract Requirements

Project: WA FS ERFO 2007(1)-20(18), Coal Lake Road and Mallardy Creek Bridge Emergency Repairs and WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

## **Section 635.— TEMPORARY TRAFFIC CONTROL**

### **Construction Requirements**

#### **635.08A Traffic and Safety Supervisor. (Added Subsection.)**

Perform services described in Subsection 156.08. Provide all vehicles and incidentals necessary to perform the work.

### **Measurement**

#### **635.26 Delete the text of this Subsection and substitute the following:**

Do not measure temporary traffic control for payment.

Revised by Amendment A003

Special Contract Requirements

Project: WA FS ERFO 2007(1)-20(18), Coal Lake Road and Mallardy Creek Bridge Emergency Repairs and WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

**Section 690.— SITE WORK**

**(ADDED SECTION)**

**Description**

**690.01** This work consists of:

- Mobilization of equipment, personnel and material to the work site according to Section 151;
- Survey and staking according to Section 152;
- Contractor quality control according to Section 153;
- Contractor testing according to Section 154;
- Scheduling construction activities according to Section 155;
- Furnishing and installing erosion control devices and diversions according to Section 157;
- Cleaning and grubbing according to Section 201;
- Removal and disposal of materials according to Section 203;
- Roadway excavation, unclassified borrow and select borrow according to Section 204;
- Riprap according to Section 251;
- Aggregate surface reconditioning according to Section 303;
- Roadway aggregate according to Section 308;
- Minor hot asphalt according to Section 404;
- Reinforcing and miscellaneous steel according to Section 554;
- Bridge railing according to Section 556;
- Shotcrete according to Section 566;
- Minor bridge work according to Section 575;
- Minor concrete according to Section 601;
- Cleaning culverts in place according to Section 607;
- Rental equipment according to Section 622;
- Furnishing and placing topsoil according to section 624;
- Turf establishment according to Section 625; and
- Temporary traffic control according to Section 635

Revised by Amendment A003

Special Contract Requirements

Project: WA FS ERFO 2007(1)-20(18), Coal Lake Road and Mallardy Creek Bridge Emergency Repairs and [WA FS ERFO 2008\(1\)-20\(1\) Hard Creek Bridge Emergency Repair](#)

### **Construction Requirements**

**690.02 General.** Perform work according to the plans, the Sections listed in Subsection 690.01, and the following:

- (a) Perform survey so that bridge reconstruction is located properly.
- (b) Provide sediment wattles and silt fence as soil erosion control devices.
- (c) Remove boulders, stream material, excavated material, bridge railing and deck according to the plans.
- (d) Install reinforcing steel and tie bars according to the plans.
- (e) Install bridge railing according to the plans.
- (f) Install reinforced shotcrete according to the plans.
- (g) Perform shotcrete, minor bridge work, and minor concrete according to the plans.
- (h) Provide turf establishment.
- (i) Provide temporary traffic control according to the plans.

**690.03 Acceptance.** Material and construction will be evaluated under the Sections the work is performed.

### **Measurement**

**690.04** Measure site work by the lump sum according to Subsection 109.02.

Revised by Amendment A003

Special Contract Requirements

Project: WA FS ERFO 2007(1)-20(18), Coal Lake Road and Mallardy Creek Bridge Emergency Repairs and [WA FS ERFO 2008\(1\)-20\(1\) Hard Creek Bridge Emergency Repair](#)

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Added by Amendment A003

Special Contract Requirements

Project: WA FS ERFO 2007(1)-20(18), Coal Lake Road and Mallardy Creek Bridge Emergency Repairs and [WA FS ERFO 2008\(1\)-20\(1\) Hard Creek Bridge Emergency Repair](#)

## Section 701.— CEMENT

### 701.01 Hydraulic Cement. Amend as follows :

(a) **Portland Cement.** Delete the text of this Subsection and substitute the following:  
 Conform to AASHTO M85, type II or type III and the low alkali cement criteria of Table 2  
 – Optional Chemical Requirements.

03USC06/04/07

## Section 703.— AGGREGATE

### 703.02 Coarse Aggregate for Concrete. Delete the text of this Subsection and substitute the following:

Conform to AASHTO M 80, class A including the reactive aggregate supplementary requirement, except as amended or supplemented by the following:

- |                                       |                                          |
|---------------------------------------|------------------------------------------|
| (a) Los Angeles abrasion, AASHTO T 96 | 40% max.                                 |
| (b) Adherent coating, ASTM D 5711     | 1.0% max.                                |
| (c) Grading, AASHTO M 43              | All sizes except numbers 8, 89, 9, or 10 |

For bridge decks or surface courses, do not use aggregates known to polish or carbonate aggregates containing less than 25 percent by mass of insoluble residue as determined by ASTM D 3042.

For lightweight coarse aggregate, conform to AASHTO M 195.

Revised by Amendment A003

Special Contract Requirements

Project: WA FS ERFO 2007(1)-20(18), Coal Lake Road and Mallardy Creek Bridge Emergency Repairs and WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

## Section 704.— SOIL

**704.02 Bedding Material.** Delete the text of this Subsection and substitute the following:

Furnish a well graded, free draining material free of excess moisture, muck, frozen lumps, roots, sod, or other deleterious material conforming to the following:

- |                                                          |                                                              |
|----------------------------------------------------------|--------------------------------------------------------------|
| (a) Maximum particle size                                | 1/2 inch or half the corrugation depth, whichever is smaller |
| (b) Material passing No. 200 sieve, AASHTO T 27 and T 11 | 10% max.                                                     |

**704.07 Select Borrow.** Delete the text of this Subsection and substitute the following:

Furnish granular material, well graded from coarse to fine, free of excess moisture, muck, frozen lumps, roots, sod, or other deleterious material conforming to the following:

- |                               |             |
|-------------------------------|-------------|
| (a) Gradation                 | Table 704-1 |
| (b) Liquid limit, AASHTO T 89 | 30 max.     |

**Table 704-1  
Select Borrow Gradation**

Sieve Size	Percent by Mass Passing Designated Sieve (AASHTO T 27 & T 11)
3 inch	100
1 inch	70-100
No. 4	30-70
No. 200	0-5

Repaginated by A003

Special Contract Requirements

Project: WA FS ERFO 2007(1)-20(18), Coal Lake Road and Mallardy Creek Bridge Emergency Repairs and WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

03USC09/11/06

**Section 705.— ROCK****705.02 Riprap Rock.**Add the following:

**Table 705-1A  
Gradation Requirements for USFS Riprap**

Class	Percent of Rock by Mass	Mass (pounds)	Approximate Cubic Dimension <sup>(2) (3)</sup> (inches)
7 (USFS)	20	4400 to 5940	35 to 39
	30	2200 to 4400	28 to 35
	40	220 to 2200	14 to 28
	10 <sup>(1)</sup>	0 to 220	0 to 14

- (1) Furnish spalls and rock fragments graded to provide a stable dense mass.
- (2) The volume of a rock with these cubic dimensions has a mass approximately equal to the specified rock mass.
- (3) Furnish rock with breadth and thickness at least one-third its length.

**Section 709.— REINFORCING STEEL AND WIRE ROPE**

**709.01 Reinforcing Steel.** (b) Reinforcing bars. Delete the text of this paragraph and substitute the following:

Furnish deformed, grade 60 bars conforming to AASHTO M 31 or M 332.

Revised by Amendment A003

Special Contract Requirements

Project: WA FS ERFO 2007(1)-20(18), Coal Lake Road and Mallardy Creek Bridge Emergency Repairs and WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

## Section 713.— ROADSIDE IMPROVEMENT MATERIAL

### 713.04 Seed. Add the following:

At the Coal Lake Road and Mallardy Creek Bridge site, furnish a mixture consisting of the following kinds of seed with the corresponding percentages by weight of “live seed”:

Tufted hairgrass ( <i>Deschampsia caespitosa</i> )	5.3
Annual ryegrass ( <i>Lolium multiflorum</i> )	13.2 %
Winter triticale ( <i>Triticum aestivum x Secale cereale</i> )	78.6 %
Alsike clover ( <i>Trifolium hybridum</i> )	2.6%

Determine the amount of “live seed” in a container by the following formula: Net weight of seed in container multiplied by the purity percentage multiplied by the germination percentage. (If seed is 85% pure and tests 90% germination, then a 100 pound container would contain 75.6 pounds of “live seed”.)

At the Hard Creek Bridge site, furnish a mixture consisting of the following kinds of seed with the corresponding percentages by weight of “live seed”:

Soft white winter wheat ( <i>cultivar of Triticum aestivum</i> )	53 %
Slender wheatgrass ( <i>Elymus trachycaulus, akaka Agropyron trachycaulus</i> )	21 %
Annual reygrass ( <i>lolium multiflorum</i> )	21 %
Austrian winter peas ( <i>Pisum sativum arvense</i> )	5 %

Determine the amount of “live seed” in a container by the following formula: Net weight of seed in container multiplied by the purity percentage multiplied by the germination percentage. (If seed is 85% pure and tests 90% germination, then 125 pounds would be required to yield 94 pounds of “live seed”.)

### 713.05 Mulch. (b) Wood fiber. Add the following:

Test wood fibers to confirm that they meet all of the foregoing requirements. Weight specifications of the mulch material from suppliers and for all applications, refers only to the air dry mass of the fiber material. Use minimum 2-inch depth of mulch.

Repaginated and Revised by Amendment A003

Special Contract Requirements

Project: WA FS ERFO 2007(1)-20(18), Coal Lake Road and Mallardy Creek Bridge Emergency Repairs and WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

## Section 717.— STRUCTURAL METAL

**717.01 Structural Steel.** Delete this Subsection and substitute the following:

(a) **Structural carbon steel.** Structural carbon steel for riveted, bolted, or welded construction shall conform to ASTM A 36. In addition, steel for primary bridge members and fracture critical bridge members shall meet the supplementary requirements for Charpy V-notch test.

(b) **High-strength low-alloy structural (HSLA) steel.** High-strength, low-alloy structural steel, or steel requiring enhanced atmospheric corrosion resistance for riveted, bolted, or welded construction, use steel conforming to ASTM A 588. In addition, steel for primary bridge members and fracture critical bridge members shall meet the supplementary requirements for Charpy V-notch test.

(c) **Bolts and nuts.** Conform to ASTM A 307.

(d) **High-strength bolts, nuts, and washers.** Conform to either AASHTO M 164 or AASHTO M 253, as specified. Use Type 3 bolts in combination with unpainted weathering structural steel.

Revised by Amendment A003

Special Contract Requirements

Project: WA FS ERFO 2007(1)-20(18), Coal Lake Road and Mallardy Creek Bridge Emergency Repairs and WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

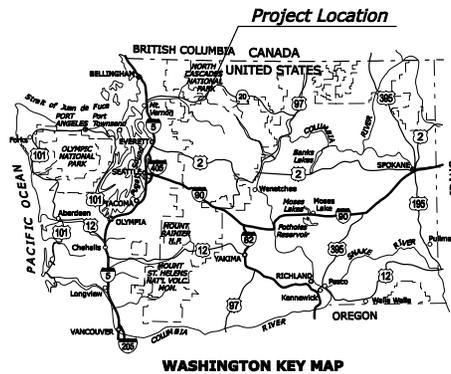
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Special Contract Requirements

Project: WA FS ERFO 2007(1)-20(18), Coal Lake Road and Mallardy Creek Bridge Emergency Repairs and WA FS ERFO 2008(1)-20(1) Hard Creek Bridge Emergency Repair

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STATE	PROJECT	SHEET NUMBER
WA	FS ERFO 2008(1)-20(1)	A.1 <sup>A</sup>



# U. S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION



PLANS FOR PROPOSED PROJECT  
**WA FS ERFO 2008(1)-20(1)**

## **HARD CREEK BRIDGE EMERGENCY REPAIR** MT. BAKER-SNOQUALMIE NATIONAL FOREST SKAGIT COUNTY WASHINGTON LENGTH 0.01 MILES

INDEX TO SHEETS	
<b>A. GENERAL INFORMATION</b>	
A.1 <sup>A</sup>	TITLE SHEET
A.2	PLAN SYMBOLS AND ABBREVIATIONS
A.3 <sup>A</sup>	VICINITY MAP
<b>B. BRIDGE INFORMATION</b>	
B.1 <sup>A</sup>	BRIDGE DECK CONSTRUCTION PLAN
B.2 <sup>A</sup>	BRIDGE DECK CONSTRUCTION DETAILS
B.3 <sup>A</sup>	ABUTMENT #1 REPAIR DETAILS
B.4	ABUTMENT #2 REPAIR DETAILS
B.5	DOWEL AND DRAIN PIPE DETAILS
<b>C. EROSION CONTROL</b>	
C.1 <sup>A</sup>	EROSION CONTROL PLAN
<b>D. TEMPORARY TRAFFIC CONTROL</b>	
D.1 <sup>A</sup>	QUANTITIES AND DETAILS
D.2 <sup>A</sup>	STANDARD DRAWING 635-14

**TYPE OF CONSTRUCTION:**

*Bridge deck, bridge rail and abutment repair.*

**DESIGN DESIGNATION:**

*EMERGENCY REPAIR*

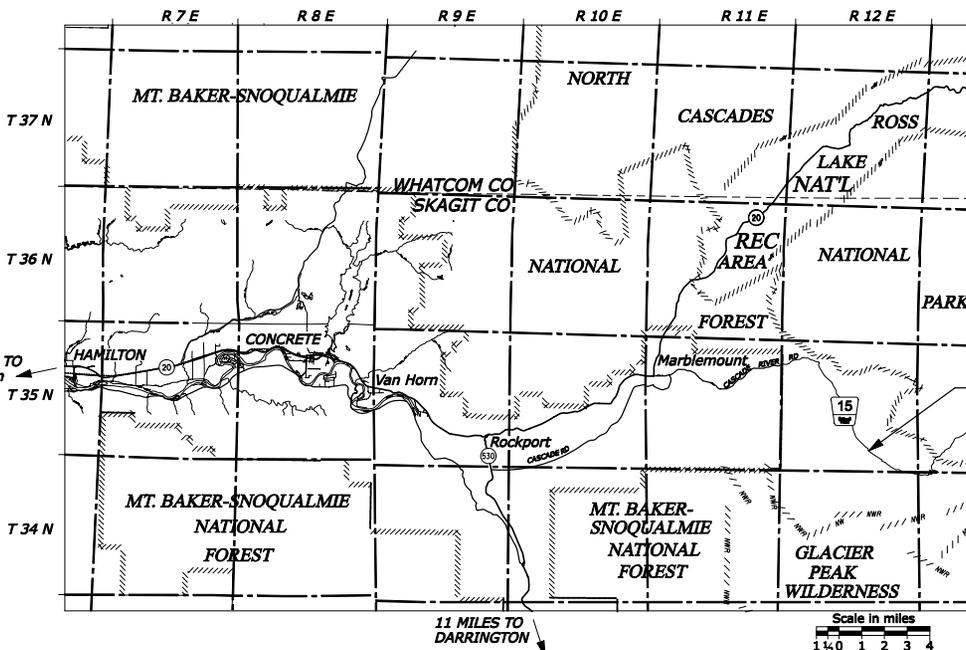
**SPECIFICATION:**

*Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FP-03 US Customary Units*



PLANS PREPARED BY  
**U.S. DEPARTMENT OF TRANSPORTATION  
 FEDERAL HIGHWAY ADMINISTRATION**  
 WESTERN FEDERAL LANDS HIGHWAY DIVISION  
 VANCOUVER, WASHINGTON

PROJECT MANAGER  
**K. GLEASON**



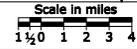
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**WORK LOCATION**  
**FR 15 - CASCADE RIVER RD**  
**MP 12.7**

**APPROVED:**

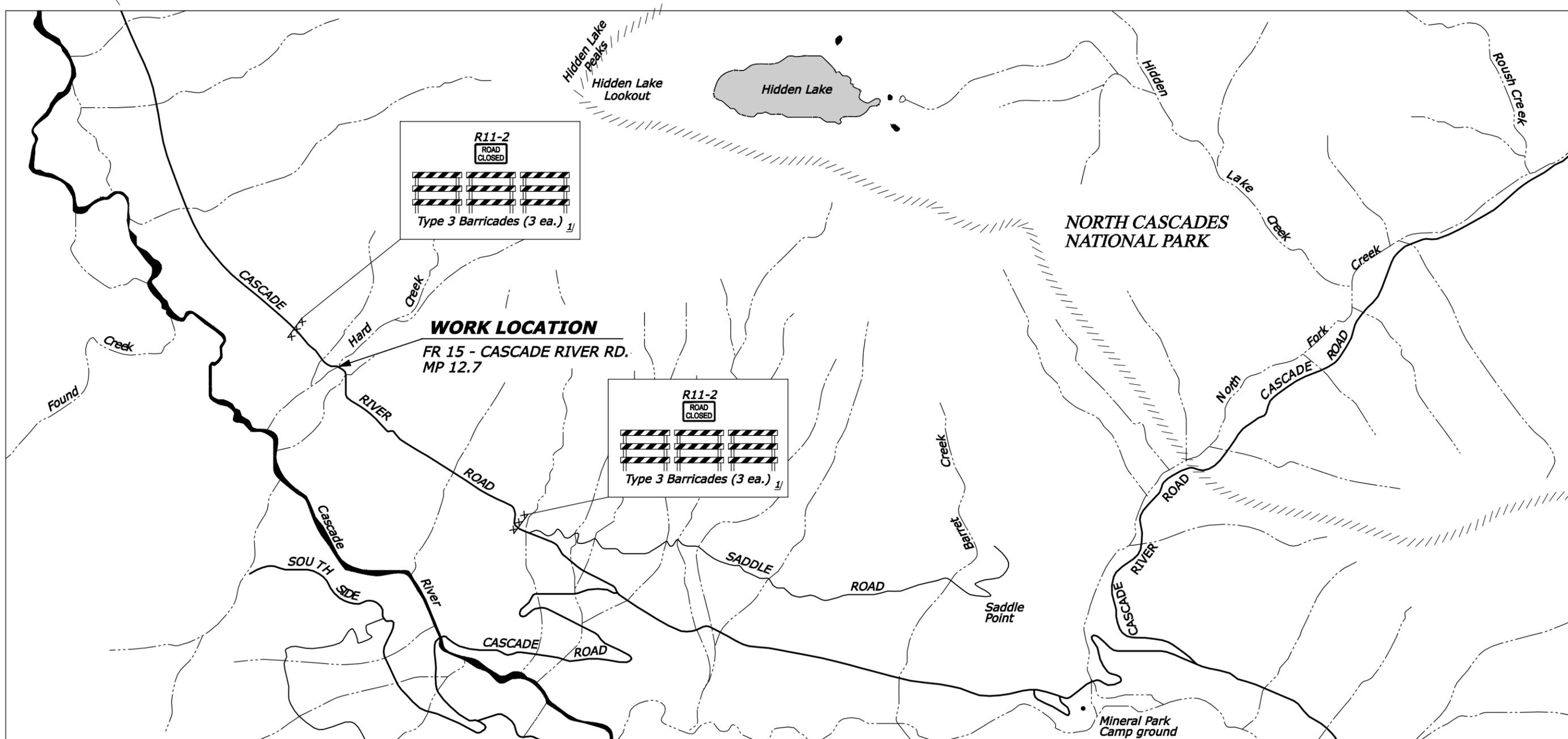
/s/ Elizabeth Firestone 7/29/08

for \_\_\_\_\_ DATE \_\_\_\_\_  
 Director, Project Delivery,  
 Western Federal Lands Highway Division

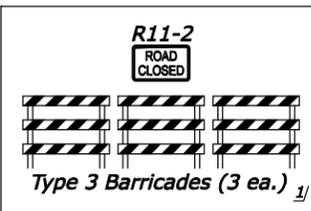
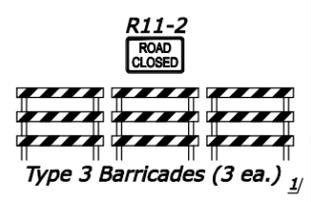


06/2008 A. Varney  
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 24-JUL-2008 3:23PM Designed by: [US\_Sur2D]  
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STATE	PROJECT	SHEET NUMBER
WA	FS ERFO 2008(1)-20(1)	A.3 <sup>A</sup>

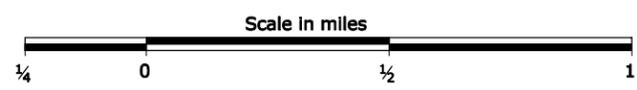


**WORK LOCATION**  
 FR 15 - CASCADE RIVER RD.  
 MP 12.7

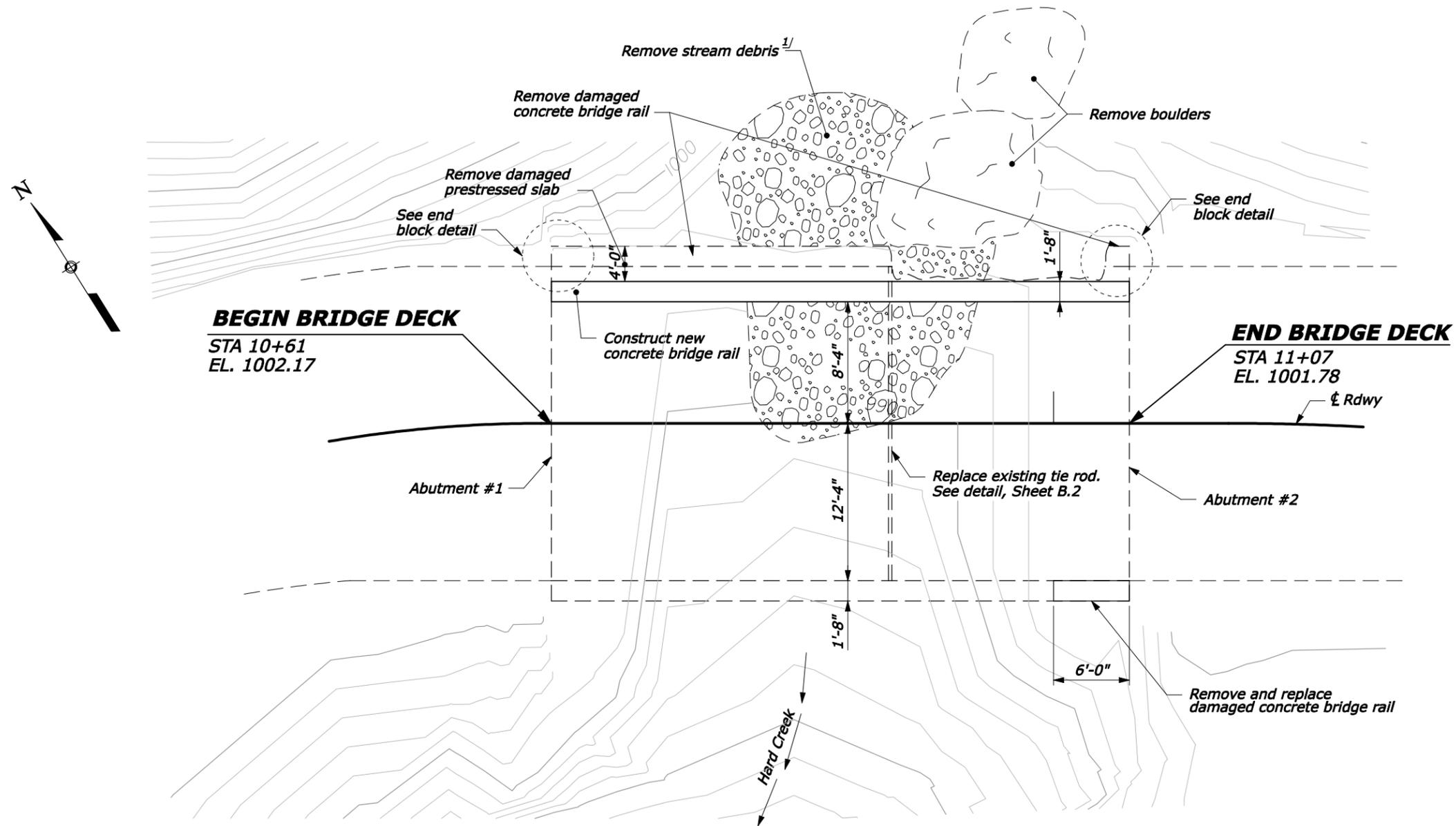


**FOOTNOTE:**  
<sup>1/</sup> Exact location will be designated by the CO. See Sheet D.1 for details.

This sheet added by Amendment A003



**VICINITY MAP**



This sheet added by Amendment A003

<b>INFORMATIONAL QUANTITIES</b>	
ITEM DESCRIPTION	QUANTITY
Removal of boulders	2 each
Removal of bridge railing	52 lnft
Removal of bridge deck, prestressed concrete panel	20.4 sqyd
Removal of stream debris	20 cuyd <sup>1/</sup>
Bridge railing, concrete	46 lnft
Reinforcing steel, #5 bars	938 lb

**FOOTNOTE:**

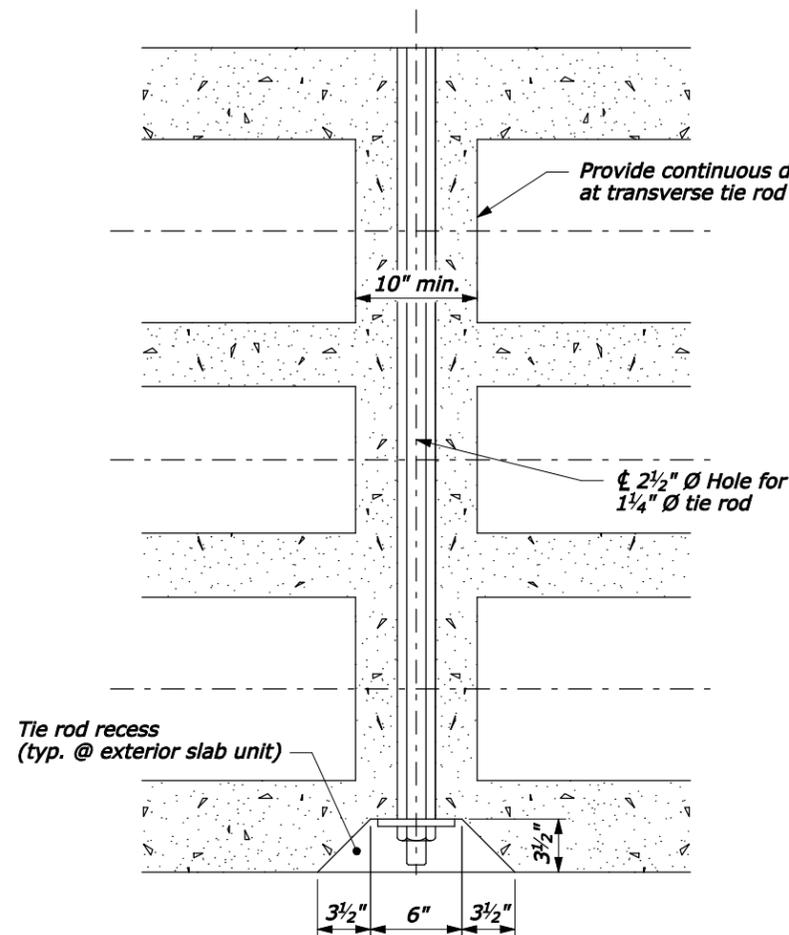
<sup>1/</sup> Quantity and location are approximate. Remove debris as directed by the CO. Do not perform work more than 30 feet left of the bridge centerline, or more than 15 feet width along Hard Creek.

**BRIDGE DECK  
CONSTRUCTION PLAN**

Scale: 1"=10'

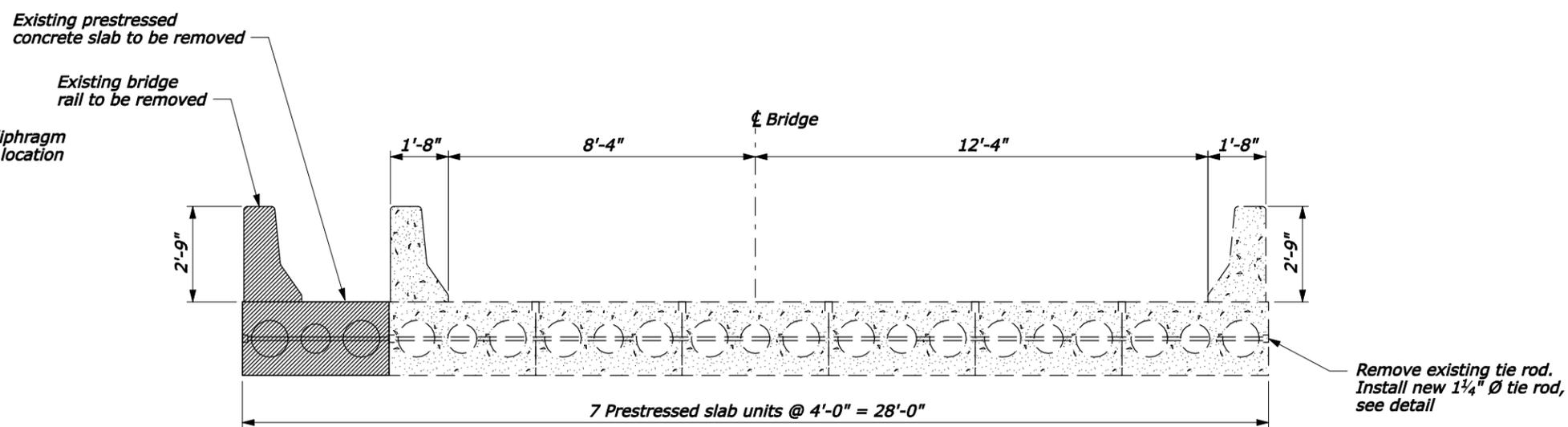
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STATE	PROJECT	SHEET NUMBER
WA	FS ERFO 2008(1)-20(1)	B.2A

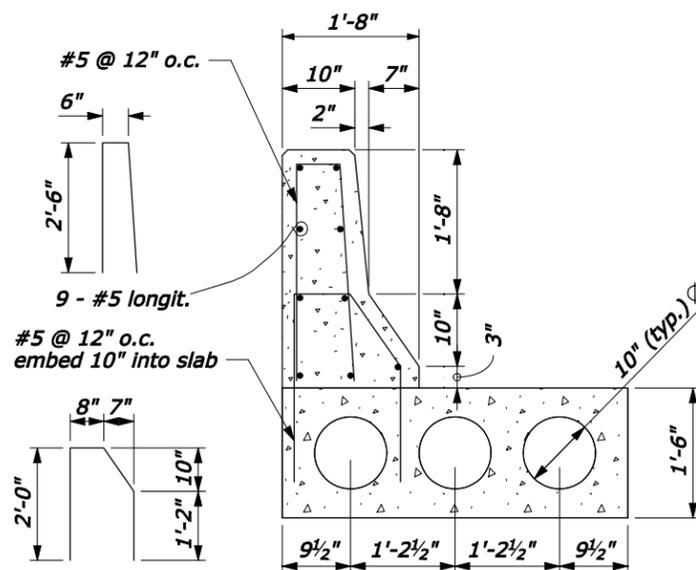


**TIE ROD AND DIAPHRAGM DETAIL**  
Scale: 1/2" = 1'-0"

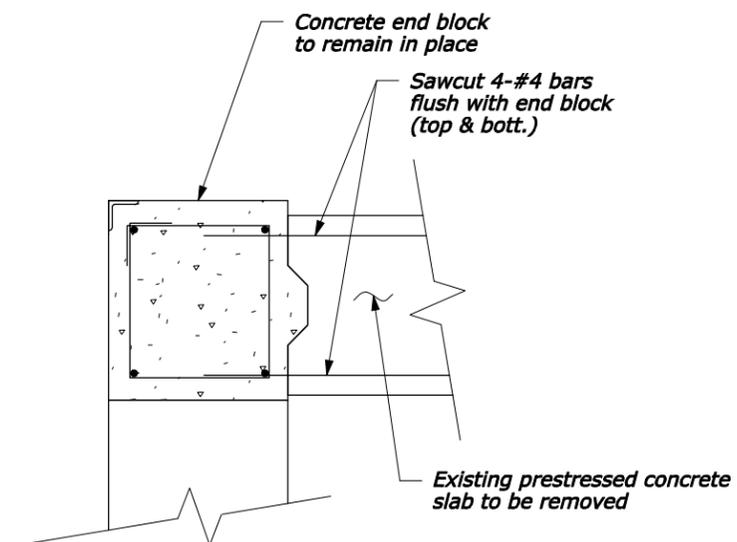
Lateral tie rods shall be either 1/4" Ø AASHTO M183 (ASTM A36) steel rods tensioned to 30,000 lbs. each or high strength tendons laterally tensioned to an equivalent force. Tension in the 1/4" Ø tie rods may be applied by a torque of approximately 600 ft. lbs. Tie rod threads shall be cut to the coarse thread series 2A. If desired, equivalent rods with rolled threads may be substituted. Tie rods shall be galvanized after fabrication.



**CROSS SECTION**  
Scale: 1/4" = 1'-0"



**BRIDGE RAIL DETAIL**  
Scale: 1/2" = 1'-0"



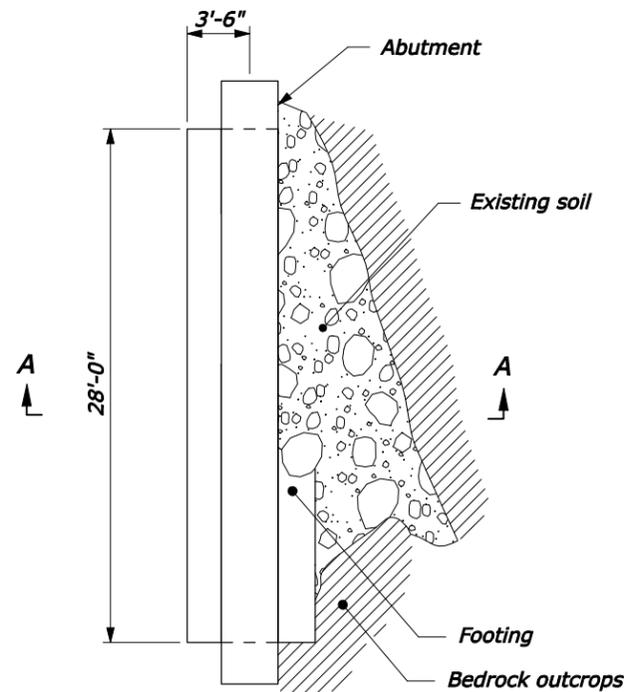
**END BLOCK DETAIL**  
No Scale

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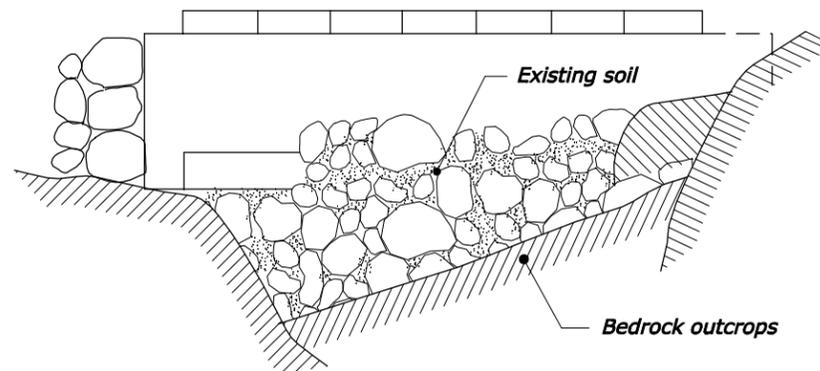
**BRIDGE DECK  
CONSTRUCTION DETAILS**

07/2008 A. Varney Checked by: 07/2008 B. Collins Designed by: 24-JUL-2008 3:23PM IP\_PWP:dms15500\we8201bc.dgn [US\_Sur2D]

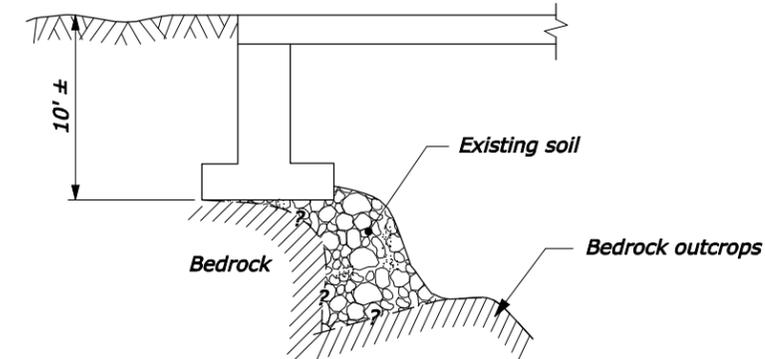
STATE	PROJECT	SHEET NUMBER
WA	FS ERFO 2008(1)-20(1)	B.3A



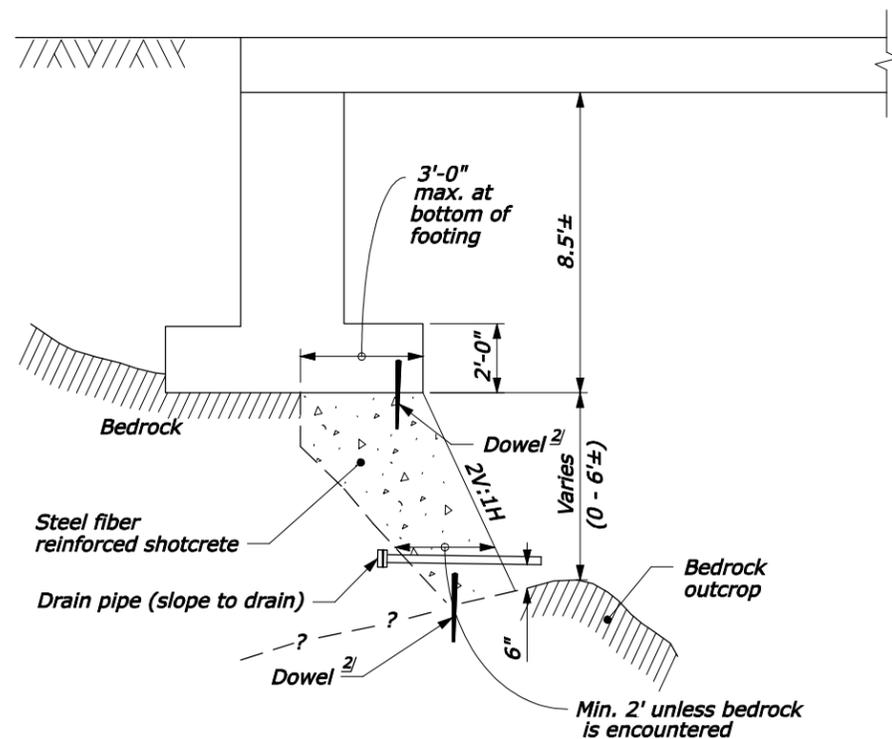
PLAN VIEW



ELEVATION  
**ABUTMENT NO. 1**  
**EXISTING CONDITIONS**



SECTION A-A



**ABUTMENT NO. 1**  
**PROPOSED REPAIR**

<b>INFORMATIONAL QUANTITIES <sup>1/</sup></b>	
DESCRIPTION	QUANTITY
Excavation	70 cuyd
Steel - fiber reinforced shotcrete	26 cuyd
24" long #6 rebar dowels	28 each
24" long #8 rebar dowels	28 each
Drain pipe	22 each

**NOTE:**

1. Complete removal of boulders leaning against the bridge slab and damaged prestressed slab before beginning any work on or below the bridge.
2. Divert the creek away from the work area as needed to complete the repairs in the dry.
3. Stage foundation repairs so that less than 10 feet of footing, measured perpendicular to centerline, is repaired during each stage. Repair each footing in no less than 3 stages. Do not excavate any material adjacent to more than 10 feet of the footing during each stage. Complete repairs of the void area below the Abutment No. 2 footing during the first stage.
4. Remove all soil, rock and debris to the horizontal limits shown below the footing and extend excavation vertically down to bedrock. Clean the underlying bedrock surface by removing all loose material. Do not overexcavate more than 1 foot into bedrock.
5. See Dowel Details on Sheet B.5.

**FOOTNOTE:**

- <sup>1/</sup> Quantities include both Abutment #1 and Abutment #2.
- <sup>2/</sup> Install dowels as close to perpendicular to embedded surface as possible.

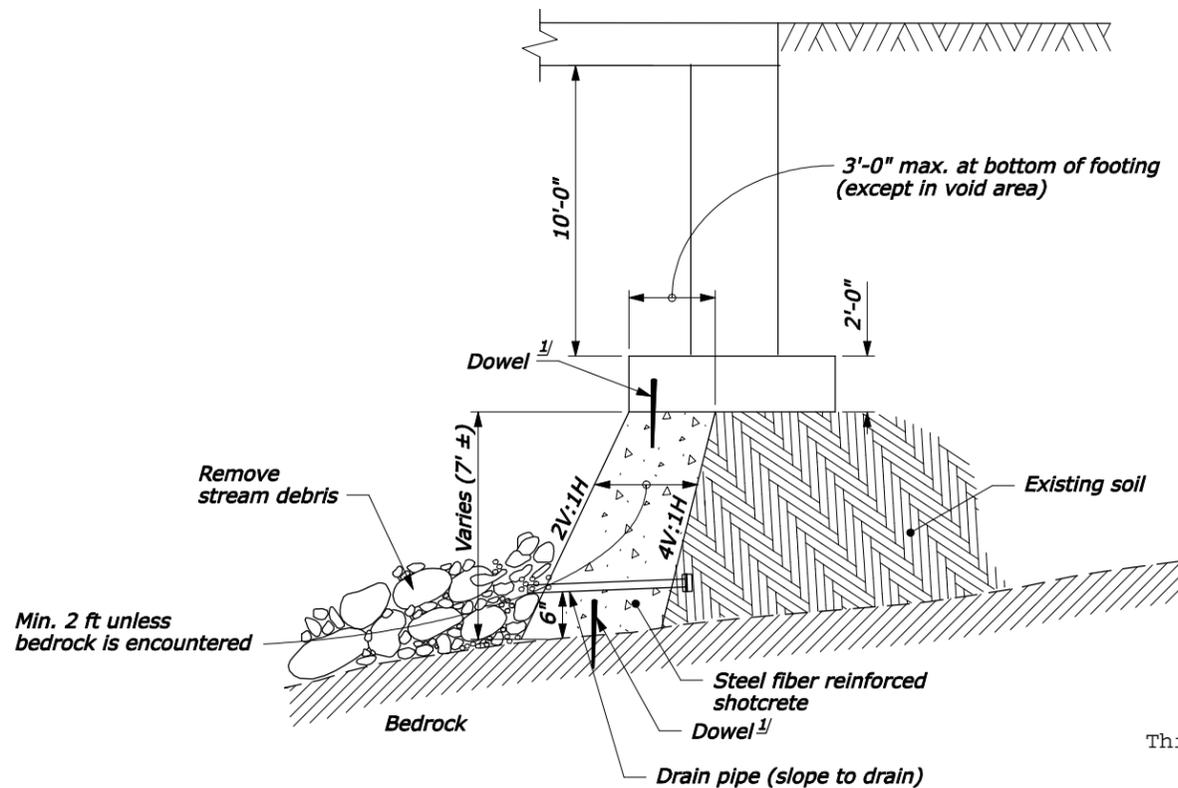
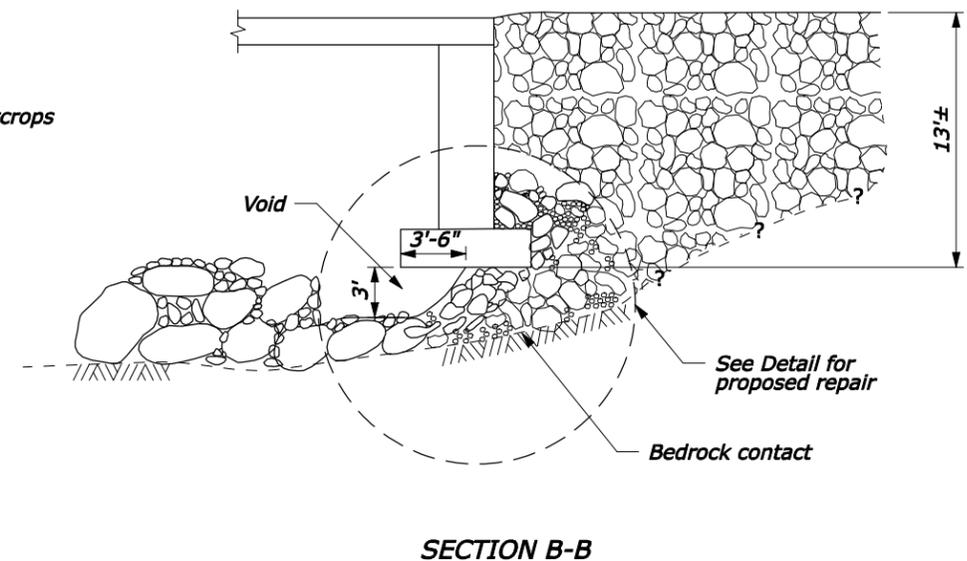
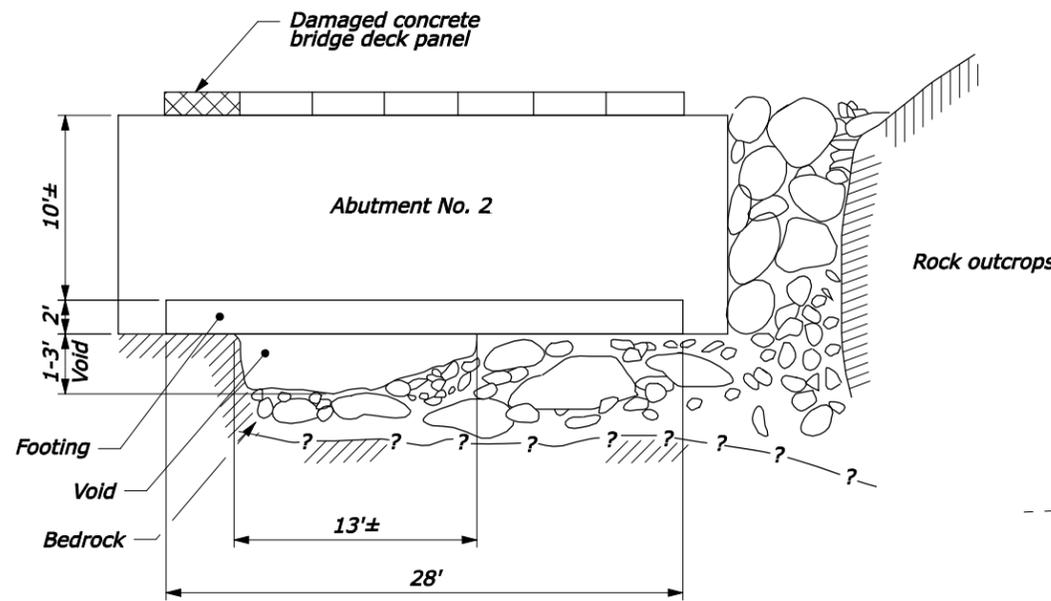
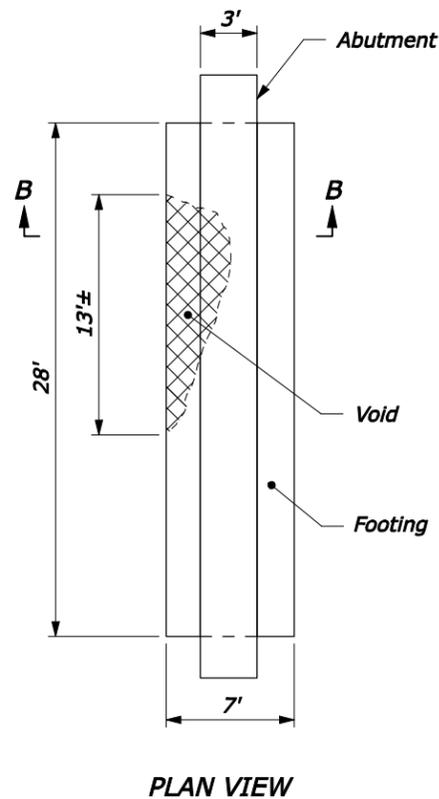
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NO SCALE

**ABUTMENT #1 REPAIR**  
**DETAILS**

07/2008 A. Varney 07/2008 Checked by: 07/2008 B. Collins 24-JUL-2008 3:24PM Designed by: IP\_PWP:dms15500\we8201bd.dgn [US\_Sur2D]

STATE	PROJECT	SHEET NUMBER
WA	FS ERFO 2008(1)-20(1)	B.4



**NOTE:**

1. Complete removal of boulders leaning against the bridge slab and damaged prestressed slab before beginning any work on or below the bridge.
2. Divert the creek away from the work area as needed to complete the repairs in the dry.
3. Stage foundation repairs so that less than 10 feet of footing, measured perpendicular to centerline, is repaired during each stage. Repair each footing in no less than 3 stages. Do not excavate any material adjacent to more than 10 feet of the footing during each stage. Complete repairs of the void area below the Abutment No. 2 footing during the first stage.
4. Remove all soil, rock and debris to the horizontal limits shown below the footing and extend excavation vertically down to bedrock. Clean the underlying bedrock surface by removing all loose material. Do not overexcavate more than 1 foot into bedrock.
5. See Dowel Details on Sheet B.5.

**FOOTNOTE:**

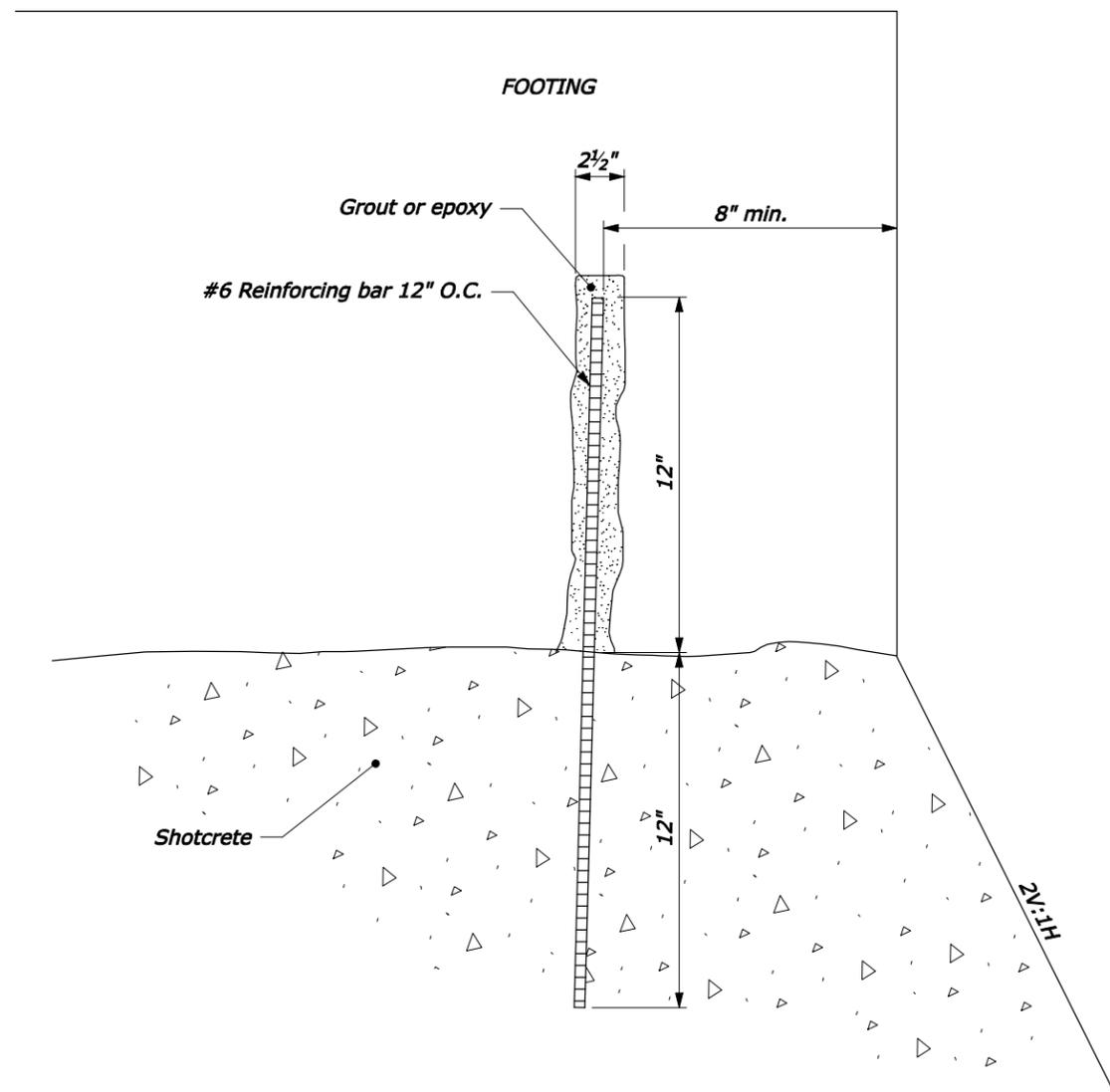
<sup>1/</sup> Install dowels as close to perpendicular to the embedded surface as possible.

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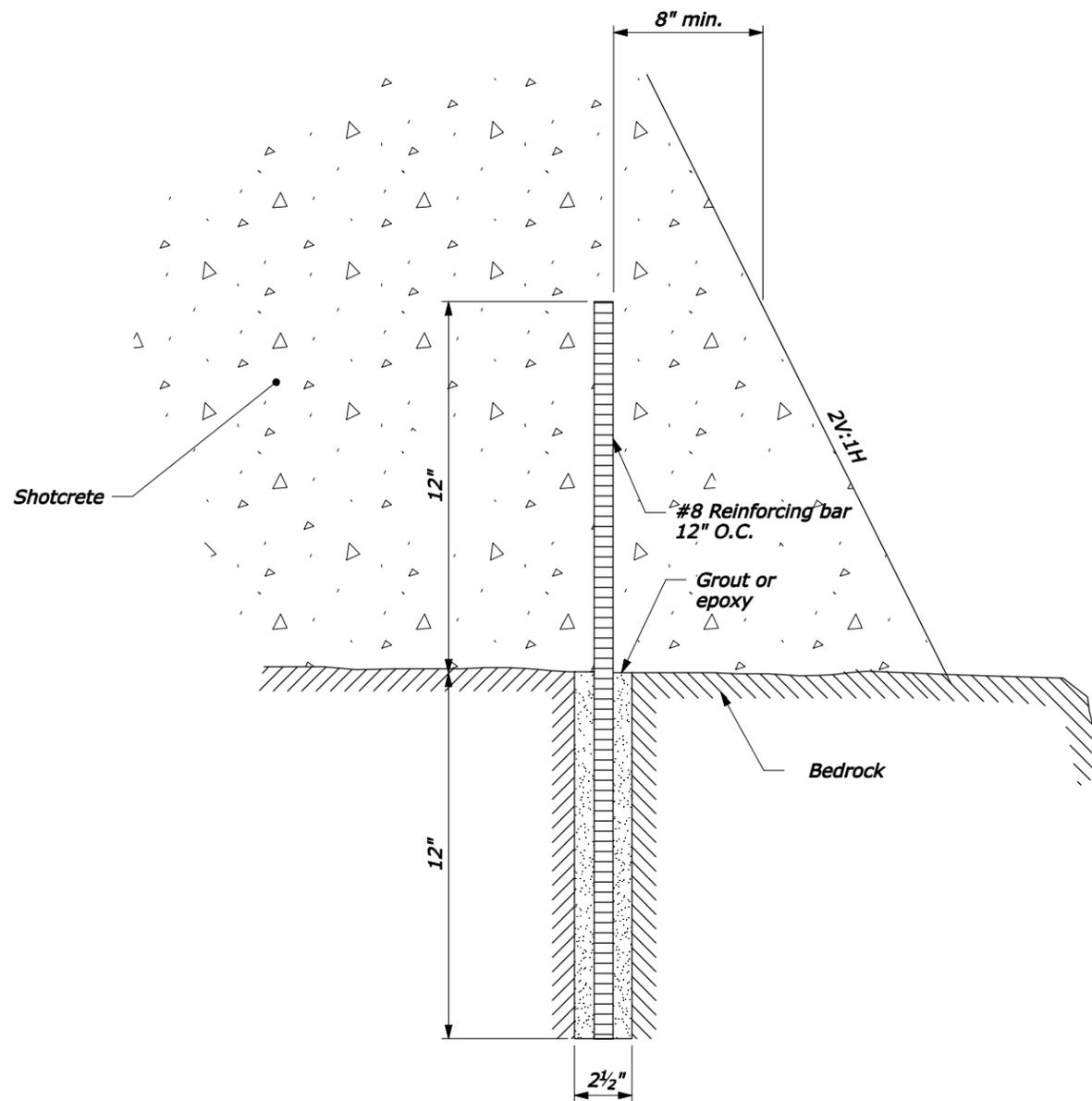
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**ABUTMENT #2 REPAIR  
DETAILS**

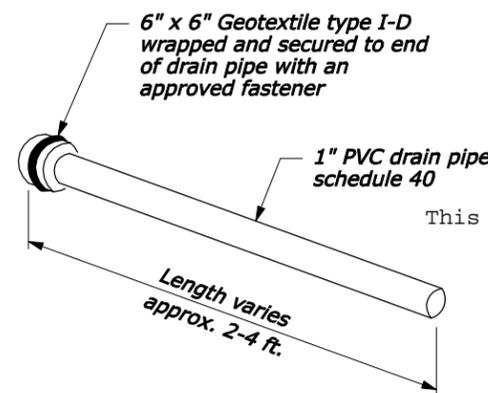
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 07/2008 B. Collins  
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**DOWEL INSTALLATION INTO FOOTING**  
DETAIL



**DOWEL INSTALLATION INTO BEDROCK**  
DETAIL



**DRAIN PIPE**  
DETAIL

This sheet added by Amendment A003

**NOTE:**

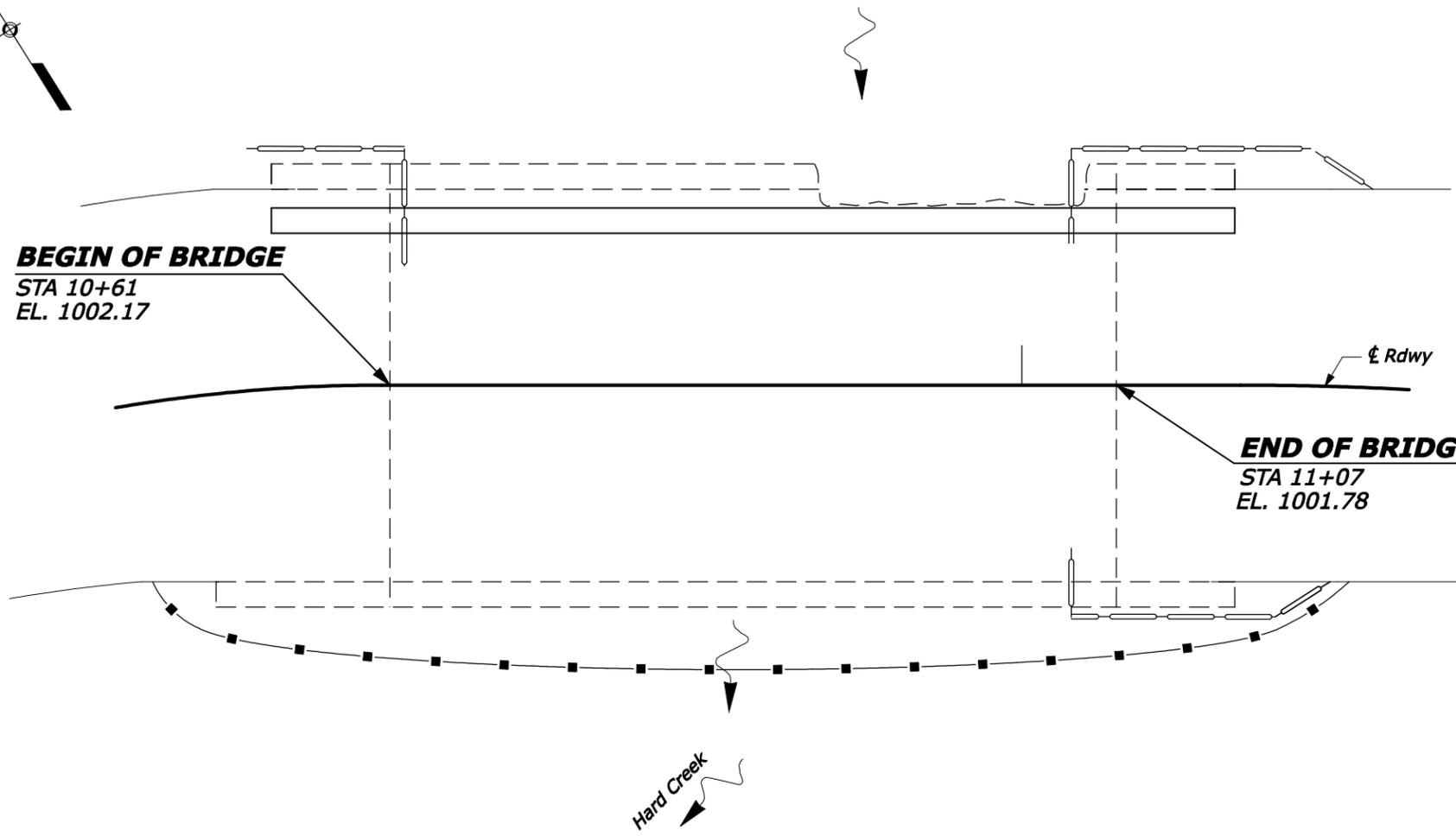
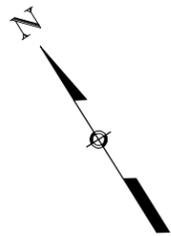
1. Grout or epoxy dowels into bedrock 12 inches on center horizontally. Provide a minimum of 8 inches of cover over the dowels.
2. Grout or epoxy dowels into bottom of footing 12 inches on center measured horizontally. Provide a minimum of 8 inches of cover over the dowels.
3. Install drain pipe @ 3 ft. on center along the bottom of the shotcrete.

NO SCALE

**DOWEL AND DRAIN PIPE DETAILS**

07/2008 A. Varney Checked by: 07/2008 K. Parker Designed by: 24-JUL-2008 3:24PM IP\_PWP:dms15501\we8201ca.dgn [US\_Sur2D]

STATE	PROJECT	SHEET NUMBER
WA	FS ERFO 2008(10-20(1))	C.1 <sup>A</sup>



This sheet added by Amendment A003

<b>INFORMATIONAL QUANTITIES</b>	
ITEM DESCRIPTION	QUANTITY
Soil erosion control, silt fence	75 lft
Soil erosion control, sediment wattles	75 lft

**LEGEND:**  
 Silt fence  
 Sediment wattles

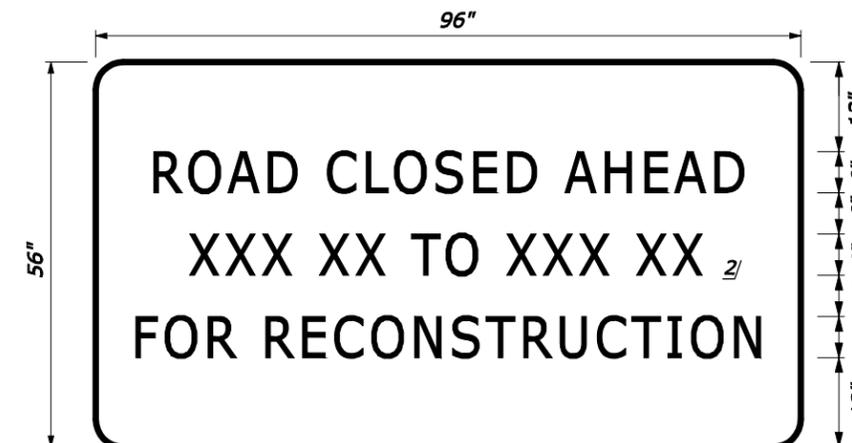
**EROSION CONTROL PLAN**

NO SCALE

7/2008 A. Varney 7/2008 Checked by: 7/2008 K. Parker 24-JUL-2008 3:24PM Designed by: IP\_PWP:dms15502\we8201.dgn [US\_Sur2D]

STATE	PROJECT	SHEET NUMBER
WA	FS ERFO 2008(1)-20(1)	D.1A

<b>TEMPORARY TRAFFIC CONTROL</b>		
DESCRIPTION	MUTCD SIGN NO.	QUANTITIES (information only)
BARRICADE, TYPE 3		6 EACH
WARNING LIGHT, TYPE A		12 EACH
ROAD CLOSED (48" X 30")	R11-2	2 EACH = 20.00 SF
Ref-1 sign. See detail this sheet. (96" X 56")		2 EACH = 74.66 SF



**DETAIL**  
**Ref-1 Sign 1/**



**DETAIL**  
**ROAD CLOSURE BARRICADE 3/**

**NOTE:**

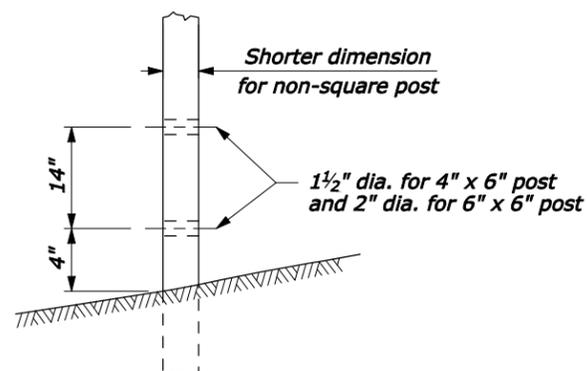
1. Conform to the current edition of the "Manual On Uniform Traffic Control Devices (MUTCD)".
2. Mount sign on wooden posts. See sheet D.2 for details.
3. Completely block the full width of the roadway with the barricades.

**FOOTNOTE:**

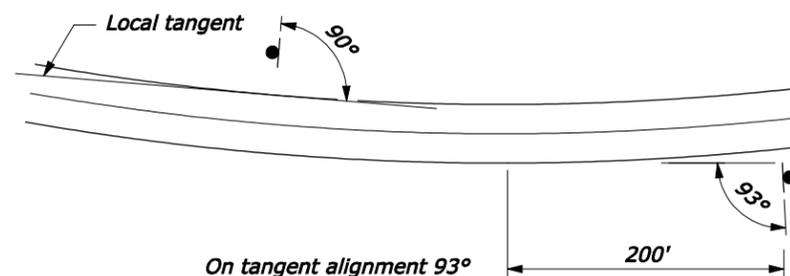
- 1/ Sign colors are orange background with black letters and border. Use standard alphabet sizes, letter series C.
- 2/ Insert dates shown as abbreviated month and day, for example Aug. 15. Insert dates that match anticipated road closure period.
- 3/ Mount two warning lights on each barricade, and the ROAD CLOSED sign on the center barricade.

This sheet added by Amendment A003

**TEMPORARY TRAFFIC CONTROL**  
**QUANTITIES AND DETAILS**



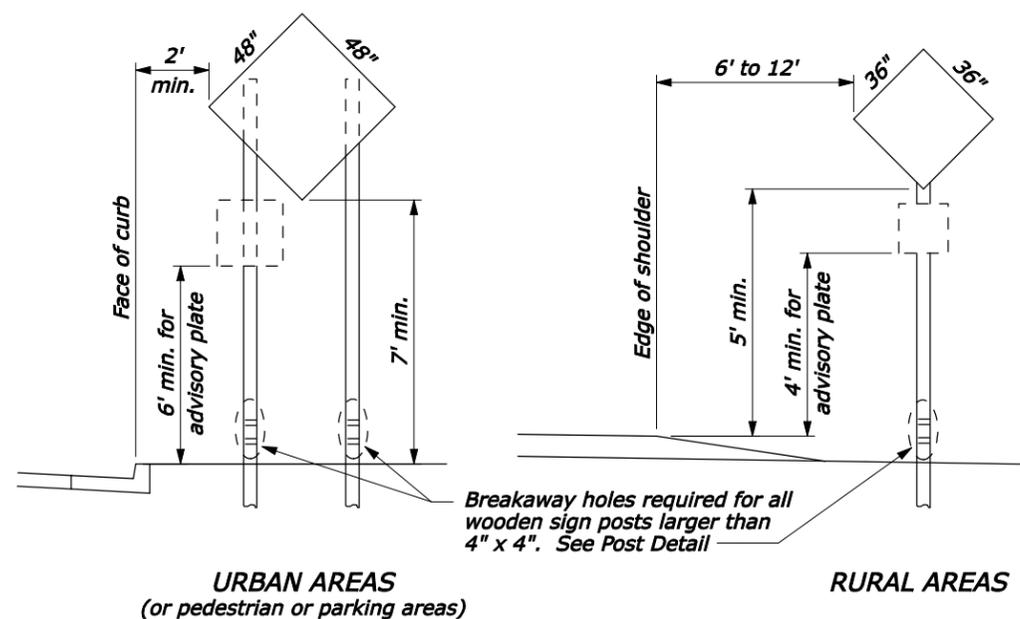
**POST DETAIL**



**SIGN INSTALLATION ANGLE**

**NOTE:**

1. Use Type III or higher type sheeting on all signs and channelizing devices. Warning lights are not normally needed on devices with Type III or higher type sheeting, but may be beneficial to attract the drivers attention in fog or other special conditions. When used, apply the appropriate type of warning light (Type A, B, C, or D) per the MUTCD Chapter 6F.
2. Ensure all sign supports exposed to impact by traffic meet the requirements of NCHRP-350 for crash worthiness.
3. Do not store traffic control devices along the roadway when not in use. Cover post-mounted signs when not applicable.
4. State standards may be used as an alternative if approved by the CO.



NOTE: Mount signs with area 9 sqft and under on a single 4" x 4" wood post. Use double wood posts for signs wider than 36" or signs with an area over 9 sqft. Steel may be used in lieu of wood posts (See Note 2)

**SIGN PLACEMENT**

This sheet added by Amendment A003

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY	
U.S. CUSTOMARY STANDARD	
<b>TEMPORARY TRAFFIC CONTROL SIGN INSTALLATION</b>	
STANDARD APPROVED FOR USE 6/2005	STANDARD
REVISED: DRAFT: 11/2007	635-14