

SOLICITATION, OFFER, AND AWARD <i>(Construction, Alteration, or Repair)</i>	1. SOLICITATION NO. W912DW-04-Q-0091	2. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input type="checkbox"/> NEGOTIATED (RFP)	3. DATE ISSUED 15-Sep-2004	PAGE OF PAGES 1 OF 58
	IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.			

4. CONTRACT NO. W912DW-04-P-0407	5. REQUISITION/PURCHASE REQUEST NO. W68MD9-4117-3179	6. PROJECT NO.
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7. ISSUED BY USA ENGINEER DISTRICT, SEATTLE ATTN: CENWS-CT 4735 EAST MARGINAL WAY SOUTH SEATTLE WA 98134-2329 TEL: 206-764-3772 FAX: 206-764-6817	CODE W912DW	8. ADDRESS OFFER TO <i>(If Other Than Item 7) CODE</i> See Item 7 TEL: FAX:
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9. FOR INFORMATION CALL:	A. NAME SCOTT W BRITT	B. TELEPHONE NO. <i>(Include area code) (NO COLLECT CALLS)</i> 206-764-3517
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SOLICITATION

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS *(Title, identifying no., date):*

Section 00110 "Statement of Work" dated 6 May 2004

11. The Contractor shall begin performance within 1 calendar days and complete it within 21 calendar days after receiving award, notice to proceed. This performance period is mandatory, negotiable. *(See 52.228-13)*

12 A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS?
(If "YES," indicate within how many calendar days after award in Item 12B.)

YES NO

12B. CALENDAR DAYS

10

13. ADDITIONAL SOLICITATION REQUIREMENTS:

A. Sealed offers in original and 0 copies to perform the work required are due at the place specified in Item 8 by 11:00 AM *(hour)* local time 24 May 2004 *(date)*. If this is a sealed bid solicitation, offers must be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.

B. An offer guarantee is, is not required.

C. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.

D. Offers providing less than 30 calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.

SOLICITATION, OFFER, AND AWARD (Continued)

(Construction, Alteration, or Repair)

OFFER (Must be fully completed by offeror)

14. NAME AND ADDRESS OF OFFEROR *(Include ZIP Code)*
 HI-TECH ROCKFALL CONSTRUCTION INC
 CINDY INGRAM
 2328 HAWTHORNE STREET
 FOREST GROVE OR 97116-1571

15. TELEPHONE NO. *(Include area code)*
 503-357-6508

16. REMITTANCE ADDRESS *(Include only if different than Item 14)*

See Item 14

CODE
 1HXJ3

FACILITY CODE

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within _____ calendar days after the date offers are due. *(Insert any number equal to or greater than the minimum requirements stated in Item 13D. Failure to insert any number means the offeror accepts the minimum in Item 13D.)*

AMOUNTS

SEE SCHEDULE OF PRICES

18. The offeror agrees to furnish any required performance and payment bonds.

19. ACKNOWLEDGMENT OF AMENDMENTS

(The offeror acknowledges receipt of amendments to the solicitation -- give number and date of each)

AMENDMENT NO.										
DATE										

20A. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN
 OFFER *(Type or print)*

20B. SIGNATURE

20C. OFFER DATE

AWARD (To be completed by Government)

21. ITEMS ACCEPTED:
SEE SCHEDULE

22. AMOUNT
\$87,500.00

23. ACCOUNTING AND APPROPRIATION DATA
See Schedule

24. SUBMIT INVOICES TO ADDRESS SHOWN IN
(4 copies unless otherwise specified)

ITEM

25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO
 10 U.S.C. 2304(c) 41 U.S.C. 253(c)

26. ADMINISTERED BY

See Item 7

CODE

27. PAYMENT WILL BE MADE BY: CODE W66KQZ
 US ARMY CORPS OF ENGRS FINANCE CENTER
 CEFC-AO-P 901-874-8556
 5722 INTEGRITY DRIVE
 MILLINGTON TN 38054-5005

CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

28. NEGOTIATED AGREEMENT *(Contractor is required to sign this document and return _____ copies to issuing office.)* Contractor agrees to furnish and deliver all items or perform all work, requisitions identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications or incorporated by reference in or attached to this contract.

29. AWARD *(Contractor is not required to sign this document.)*
 Your offer on this solicitation, is hereby accepted as to the items listed. This award commutes the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.

30A. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN *(Type or print)*

31A. NAME OF CONTRACTING OFFICER *(Type or print)*
 ELAINE M EBERT / CONTRACTING OFFICER

30B. SIGNATURE

30C. DATE

TEL: (206) 764-3638 EMAIL: elaine.m.ebert@usace.army.mil
 31B. UNITED STATES OF AMERICA
 BY *Elaine M Ebert*

31C. AWARD DATE
 16-Sep-2004

Section 00010 - Solicitation Contract Form

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001		1	Lump Sum	\$87,500.00	\$87,500.00

**BUTTONHOOK ROCK STABILIZATION
FFP**

Provide all labor, materials, tools, equipment, supplies, testing, transportation, services, and supervision necessary to furnish and install rock bolts and chain link fabric at the Chief Joseph Dam Buttonhook project pursuant to the incorporated Statement of Work, specifications, plans and Davis Bacon Wage Decision
With this award, the Contractor assures the Government that it is capable of performing all work in strict accordance with the Statement of Work and specification requirements, including all qualifications requirements.

ISSUE OF PROJECT NOTICE TO PROCEED FOLLOWS RECEIPT OF PAYMENT BONDS VALUE: 100% OF AWARD PRICE - PROVIDE BONDS ASAP, BUT NOT MORE THAN 10 DAYS FROM THE DATE OF AWARD.
PURCHASE REQUEST NUMBER: W68MD9-4117-3179

NET AMT \$87,500.00

ACRN AA Funded Amount \$87,500.00

FOB: Destination

Section 00100 - Bidding Schedule/Instructions to Bidders

00110 STATEMENT OF WORKSECTION 01110
STATEMENT OF WORK
6 May 2004

1. GENERAL

1.1. REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

U.S. ARMY CORPS OF ENGINEERS (USACE)

**EM 385-1-1 (1996) U.S. Army Corps of Engineers Safety and Health Requirements Manual

*Publication *EM 385-1-1 (1996) U.S. Army Corps of Engineers Safety and Health Requirements Manual. This publication is available online at the following address:

<http://www.usace.army.mil/inet/usace-docs/eng-manuals/em385-1-1/toc.htm>

1.2. SUMMARY

The following sections define the contract work requirements, including the project description, location, work sequence; existing work; government-furnished material and equipment; government-installed work; and the Contractor's use of the project site.

2. WORK REQUIREMENTS PURSUANT TO CONTRACT DOCUMENTS

2.1. Project Description

The Work includes labor, materials, tools, equipment, supplies, testing, transportation, services, and superintendence for the Contractor to furnish and install rock bolts and chain link fabric as described in the following specifications and plans.

During rock bolt installation the Contractor shall take necessary precautions to prevent drill cuttings, equipment exhaust oil, and/or wash water from defacing or damaging the permanent structure. The Contractor is to furnish pumps if they are necessary to care for wastewater from the Contractor's operations, thereby preventing turbid and/or contaminated water from entering the Columbia River. Upon operations completion, the Contractor shall clean up all waste resulting from operations that is unsightly and/or interfering with the efficient operation of the project as anticipated by the original design.

Paved roads are available from the Project entrance to the job site for the contractor's access. Depending on size and weight of equipment, a boom truck and/or crane may be necessary for moving larger equipment into position and installation. The Contractor should be aware that the maximum clearance between the Powerhouse downstream deck curbing and the tailrace crane is approximately 13 feet six inches.

2.2. Location

Chief Joseph Dam (CJD) location is on the Columbia River in north central Washington; approximately 1.5 miles upstream of Bridgeport, Washington, and 51 miles downstream of Grand Coulee Dam. The dam consists of a 250-foot-long right embankment, 4,820 feet of concrete gravity sections, a 476-foot-long left embankment, and 416 feet of buried core. The concrete gravity sections consist of from right to left (facing downstream): a small nonoverflow section, a spillway section, a larger nonoverflow section, an intake

section, and a closure section. A large granodiorite bedrock outcrop anchors the second nonoverflow section, located between the spillway and intake structures. This bedrock (referred to as the “buttonhook”) has steep western and northern faces where there is a need for additional slope protection.

2.3. Contract Work Requirements

The Work includes, but is not limited to, the following activities:

2.3.1. Slope Scaling

The work includes the manual removal of loose rock (approximately 60 tons) on the north and west slopes of the buttonhook at the locations shown in the Plans or as directed by the Contracting Officer’s Representative (COR). The contractor shall provide weigh slips upon project completion.

2.3.2. Untensioned Rock Bolt Installation

The work includes fabrication and installation (approximately 300 linear feet) of the threadbar rock bolt system, at the locations directed by the COR. Rock bolts shall be no more than 20 feet in length and are No. 7, Grade 75 untensioned rock bolts. Rock bolts shall be threaded bar type. The Contractor shall be responsible for determining drilling methods, and determining hole diameter adequate to accommodate the rock bolt and other component parts of each installation (e.g., centralizers, couplers, grout tubes, etc.).

2.3.3. Chain Link Fabric Slope Protection Installation

The work includes fabrication and installation of chain link rock support fencing where indicated on the drawings or directed by the COR. The fencing shall consist of galvanized chain link fabric, reinforced with galvanized steel rope. The rope and fabric will meet or exceed the performance of the fencing already installed on the buttonhook.

2.4. Work Sequence

Perform work in the following order: scaling, then rock bolting, and finally rock fence installation. Complete all work 21 calendar days following official Notice to Proceed.

2.5. Existing work

2.5.1. Rock Protection

Currently there is installation of some rock protection at the buttonhook. This includes random pattern rock bolts and steel rope reinforced galvanized mesh.

2.6. Powerhouse

The location of the west slope of the buttonhook is adjacent to the east wall of the powerhouse.

2.7. Protection of Existing Work

Pursuant to Federal Acquisition Regulations (FAR) Clause 52.236-9, Protection of Existing Vegetation, Structures, Equipment, Utilities, and Improvements:

2.7.1. Existing rock bolts and netting are not to be damaged or destroyed by the Contractor. The Contractor may temporarily remove rock netting to facilitate scaling or rock bolt installation, but all existing rock protection shall be reinstalled to match current conditions.

2.7.2. The Contractor shall ensure that the powerhouse structure is not damaged by scaling or other work activities.

3. GOVERNMENT-FURNISHED MATERIAL AND EQUIPMENT

Not Used.

4. GOVERNMENT-INSTALLED WORK

Not Used

5. CONTRACTOR'S USE OF PROJECT SITE

The Contractor shall control use of the site; comply with laws, regulations, standards, and requirements of the Contract; allow inspection and verification of the Work by the COR, and control access of the site by the public. The Contractor shall coordinate work activities and utility outages/shutdowns with the COR, utility providers, and other authorized contractors or agencies performing work at the site. Health and safety is the responsibility of the Contractor.

5.1. Contractor Staging Area

The Contractor may use most of the Spillway 832 elev. parking lot for his staging area. Personal vehicles may be parked at the end of the Powerhouse near Units 1 and 2 on the Service Deck.

5.2. Sanitary Provisions, Water and Electricity

The Contractor shall provide such sanitary accommodations for use of his employees as may be necessary and shall maintain same in a neat and sanitary condition. Such accommodations shall comply with requirements and regulations of **EM 385-1-1 , and state health department, local ordinances, and other authorities having jurisdiction. Power and water are available from the Tailrace Deck. It will be the responsibility of the Contractor to provide required fittings, hoses and tanks at the Contractor's own expense.

6. PRODUCTS (NOT USED)

7. EXECUTION (NOT USED)

ATTACHMENTS:

Section 01270

Section 02218

Section 02491

Section 02495

Plans (following Wage Decision at the end of Section 00800)

END OF SECTION

SECTION 01270
MEASUREMENT AND PAYMENT

1. GENERAL

There is anticipation of a single line item lump sum award. The single lump sum line item constitutes full compensation for furnishing all plant, labor, materials, and incidentals, and performance of all operations necessary to complete all work in accordance with the project specifications. Payment shall be considered as full compensation, notwithstanding that minor features may not be specifically mentioned in the line item. There shall be no compensation for loss of time or equipment due to breakdown of equipment, lack of proper equipment as determined by the Contracting Officers Representative (COR), labor shortages or disputes, delay in obtaining materials, adverse weather conditions, or for any other reason not directly the fault of the Government.

2. MEASUREMENT

Measurement of this project is one lump-sum line item. This item includes all aspects of the work as detailed in the Statement of Work, Specifications, and Plans.

3. PAYMENT

Line Item 0001 Lump Sum payment shall be made for performance of the following project requirements in accordance with the SOW, Specifications, and Plans.

- 3.1. Mobilization and Demobilization: transportation of all plant, material, equipment, and supplies to and from the work site, and construction and removal of any necessary supports or scaffolding.. Successful mobilization and demobilization includes the removal of all equipment from the work area and cleanup of the site to the satisfaction of the COR.
- 3.2. Rock Scaling: All slope scaling labor and equipment, as specified, including disposal of any material removed from the slope.
- 3.3. Cement-Grouted Untensioned Rock Bolts Installation: Cement-Grouted Untensioned Rock Bolts installation labor, equipment, and material
Chain Link Fabric Slope Protection
Full compensation for all Chain Link Fabric Slope Protection labor, equipment, as specified (includes wire mesh, wire rope, hardware and anchor rods)

END OF SECTION

scaling bar, portable hydraulic wedges, air pillows or other mechanical means. Other hand tools in addition to scaling bars may be used if there is proven effectiveness to perform the required work by approval of the COR. Work shall proceed according to the work plan and schedule submitted by the Contractor prior to commencement of work. The size of the crew, defined as a supervisor and two qualified scalers, shall be maintained at all times. Slope scaling shall start at the top of the slope and work shall proceed down slope, removing loose rock as the work progresses. All rock and debris produced by the scaling operation shall be removed by the Contractor and hauled to a designated site. Clean rock may be dumped on the banks of Foster Creek to the South of Pearl Hill Road (Plate G1.1). If the scaled material contains debris or vegetation, the Contractor shall haul it to the COE gravel pit, which is approximately 6 miles North on Highway 17.

5.3. Protection of Existing Pavement, Utilities, Existing Slope Protection, and Structures

The Contractor shall provide adequate protection in the areas being scaled to prevent damage to pavement, utilities, existing slope protection, and structures by falling rock from the scaling operation. To protect already installed wire mesh, The Contractor may temporarily remove rock protection to facilitate scaling, but all existing rock protection shall be then reinstalled to match current conditions. As ordered by the COR, the Contractor shall repair or replace in kind, all properties or structures damaged as a result of the operation, at no cost to the Government.

END OF SECTION

SECTION 02491
CEMENT-GROUTED UNTENSIONED ROCK BOLTS

1. GENERAL
2. REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

- 2.1. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)
 - 2.1.1. **ASTM A 36/A 36M** (2000) Carbon Structural Steel
 - 2.1.2. **ASTM A 615/A 615M** (2000) Deformed and Plain Billet-Steel Bars for Concrete Reinforcement
 - 2.1.3. **ASTM A 775/A 775M** (2000) Epoxy-Coated Reinforcing Steel Bars
 - 2.1.4. **ASTM C 109/C 109M** (1999) Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or (50 mm) Cube Specimens)
 - 2.1.5. **ASTM C 150** (1999a) Portland Cement
 - 2.1.6. **ASTM C 1107** (1999) Packaged Dry, Hydraulic-Cement Grout (Nonshrink)
 - 2.1.7. **ASTM D 1248** (2000) Polyethylene Plastics Molding and Extrusion Materials
 - 2.1.8. **ASTM D 4101** (2000) Propylene Plastic Injection and Extrusion Materials
- 2.2. POST-TENSIONING INSTITUTE (PTI)
 - 2.2.1. **PTI Rec** (June 1996, Third Edition) Recommendations for Prestressed Rock and Soil Anchors
 - 2.2.2. **PTI Post Ten Man** (Nov 1990, Fifth Edition) Post Tensioning Manual

3. PURPOSE OF ROCK BOLTING

Cement-grouted untensioned threadbar rock bolts (Rock Bolts) shall be installed in Contractor drilled holes on the Buttonhook. Initially ten untensioned rock bolts will be installed at locations specified on site by the COR and to guidelines specified in Plate GT1.1. Optionally, as many ten additional rock bolts may be installed. The untensioned rock bolts are being installed to provide additional slope protection in the northwest portion of the Buttonhook.

4. SYSTEM DESCRIPTION

- 4.1. General

The work includes fabrication and installation of the threadbar rock bolt system. General installation criteria are shown on the drawings. The materials and acceptance shall be in accordance with **PTI Rec** and these specifications. Rock bolts shall be threaded bar type. The Contractor shall be responsible for determining drilling methods, and determining hole diameter adequate to accommodate the rock bolt and other component parts of each installation (e.g., centralizers, couplers, grout tubes, etc.). The Contractor shall prepare fabrication and installation drawings and an installation plan for approval by the COR.

5. SUBMITTALS

- 5.1. SD-01, Closeout Submittals

- 5.2. Rock Bolt Records

Upon completion of installation of each rock bolt, the Contractor shall furnish the rock bolt length, rock bolt inclination, grout mix, grouting pressure, and bags of cement injected. The Contractor shall also provide drilling records for each hole indicating drilling equipment used, dates and times when operations (drilling,

grouting, and rock bolt installation) depths and descriptions of voids encountered in the rock mass, and groundwater conditions.

6. QUALIFICATIONS

6.1. Fabricator Qualifications

A manufacturer that has been in the practice of designing and fabricating rock bolts similar in size and scope to this project for at least ten years shall fabricate the rock bolts.

6.2. Installer Qualifications

The rock bolts shall be installed by a firm which is regularly engaged in the installation of rock bolts and has at least ten years experience in the installation of similar rock bolts. The superintendent shall have installed rock bolts on at least five projects of similar scope and size.

7. PREPARATORY MEETING

Prior to commencing any work on the rock bolts, the Contractor, including all field personnel to be involved in drilling and installation of the rock bolts, shall meet with representatives of the Contracting Officer to review the plans and specifications, work plans, and submittals. Drilling may commence upon approval of the rock bolt installation plan and procedures described in paragraph SUBMITTALS and after the conduct of the Preparatory Meeting.

8. DELIVERY, STORAGE AND HANDLING

Materials shall be suitably wrapped, packaged or covered at the factory or shop to prevent being affected by dirt, water, oil, grease, and rust. Materials shall be protected against abrasion or damage during shipment and handling. Materials stored at the site shall be placed on a well-supported platform and covered with plastic or other approved material. Materials shall be protected from adjacent construction operations. Grounding of welding leads to steel shall not be permitted. Steel that is damaged by abrasion, cuts, nicks, heavy corrosions, pitting, welds or weld spatter shall be rejected and removed from the site. Rock bolts shall be inspected prior to insertion into anchor holes for damage to epoxy coating. Any such damage shall be repaired in a manner recommended by the rock bolt manufacturer and approved by the Contracting Officer.

9. SITE CONDITIONS

The buttonhook is composed of jointed and fractured granodiorite bedrock, and local variations in the characteristics of the subsurface materials may be anticipated. Local variations that may be encountered, include, but are not limited to, classification and thickness of rock strata, fractures, and other discontinuities in the rock structure. Such variations will not be considered as differing materially within the purview of the CONTRACT CLAUSES, paragraph Differing Site Conditions. The Contracting Officer is responsible for location of all utilities that may be affected by construction. The Contractor is responsible for verifying the location of all utilities that may be affected by construction or the installation of the rock bolts.

10. PRODUCTS

10.1. MATERIALS

10.1.1. Rock Bolts

10.1.2. Epoxy-Coated Steel Bars: [ASTM A 615/A 615M](#), Type [I] [or] [III], conforming to the coating requirements of [ASTM A 775/A 775M](#), 12 mils minimum thickness.

10.1.3. Structural Steel: [ASTM A 36/A 36M](#).

10.1.4. Polyethylene Tubing

10.1.4.1. Smooth Polyethylene Tubing:

10.1.4.1.1. [ASTM D 3350] [ASTM D 1248, Type III].

10.1.4.1.2. ASTM D 4101, designation PP 210 B5542-11.

10.1.5. Corrosion Inhibiting Compound: The corrosion-inhibiting compound shall conform to the requirements of Section 3.2.5 of PTI Rec.

10.2. MANUFACTURED ITEMS

10.2.1. Rock Bolt Head

Each bolt head shall consist of steel bearing plate, flat washers, beveled washers, and hex nut for bar anchors, and epoxy coating (12 mils minimum thickness). Rock bolt head material shall be capable of developing 95 percent of the guaranteed ultimate strength of Grade 75 steel. The anchorage devices shall conform to the static strength requirements of Section 3.1.6 (1) and Section 3.1.8 (1) and (2) of PTI Post Ten Man. Threaded anchorage items for epoxy-coated bars shall be designed to fit over the epoxy coating and maintain the capacity of the Grade 75 steel.

10.2.2. Steel Couplers

Steel couplers for threadbars, with epoxy coating (12 mils minimum thickness), shall be capable of developing 100 percent of the minimum specified ultimate tensile strength of the Grade 75 steel.

10.2.3. Centralizers

Centralizers shall be fabricated from plastic, steel or other approved material which is nondetrimental to the Grade 75 steel. Wood shall not be used. The centralizer shall be able to support the rock bolt in the drill hole and position the rock bolt so a minimum of 0.5 inch of grout cover is provided. Centralizers shall permit grout to freely flow up the drill hole.

11. GROUT

11.1. Cement: ASTM C 150, Type I, II, or III.

11.2. Water: Water shall be fresh, clean, potable, and free from injurious amounts of sewage, oil, acid, alkali, salts, or organic matter.

11.3. Admixtures: Admixtures that control bleed, improve flowability, reduce water content and retard set may be used in the grout subject to the approval of the Contracting Officer. Any admixtures used shall be compatible with the Grade 75 steel and shall be mixed in accordance with the manufacturer's recommendations.

11.4. Grout for Anchors

11.4.1. Cement Grout

Cement grout mixture proportions shall be the responsibility of the Contractor. Grout for grouting anchors shall consist of a homogenous, pumpable, stable mixture of portland cement and water. The Contractor shall submit his proposed mix design to the Contracting Officer for approval. The water content shall be the minimum necessary for proper placement but the water-cement ratio shall not exceed 0.45 by weight. Final proportions of materials shall be based on results of tests made on sample mixtures of grout. The minimum compressive strength of two-inch cubes, molded, cured, and tested in accordance with ASTM C 109/C 109M, shall be 3,500 psi at 7 days. The Contractor shall be responsible for taking, curing, and breaking of grout test cubes for determining mix design, and all

testing shall be done by an independent laboratory approved by the Contracting Officer. Rock conditions and temperatures shall be replicated in the curing process.

11.4.2. Grout for Anchor Pads

Grout for leveling bearing plates shall be nonshrink grout conforming to [ASTM C 1107](#).

12. ROCK BOLT FABRICATION

12.1. General

Fabrication of the rock bolts shall be as recommended by the suppliers. Rock bolts shall be assembled with all centralizers, grout and vent tubes and epoxy coating prior to insertion into the hole. Fabricated rock bolts shall be protected, transported and stored in a manner to prevent contamination or damage to any components.

12.2. Vent Tubes

Vent tubes used during grouting operations, if necessary, shall be any appropriate type for the job, as recommended by the supplier of the anchors.

12.3. Grout Tubes

Grout tubes shall be polyethylene tubing or as recommended by the rock bolt manufacturer and approved by the Contracting Officer. Inside diameter of grout tubes shall be adequate to fully grout the entire hole.

12.4. Corrosion Protection (Epoxy Coating)

Epoxy coating shall conform to the coating requirements of ASTM A 775/ A 775 M, 12 mils minimum thickness. Epoxy coating shall be provided for the entire rock bolt and rock bolt head.

13. TESTS, INSPECTIONS, AND VERIFICATIONS

The Contractor shall have required material tests performed on prestressing steel and accessories by an approved laboratory to demonstrate that the materials are in conformance with the specifications. Grout shall be tested in accordance with [ASTM C 109/C 109M](#). These tests shall be at the Contractor's expense. Grade 75 steel test results shall be furnished prior to beginning fabrication of any rock bolts. Grout test results shall be provided to the Contracting Officer within 24 hours of testing.

14. EXECUTION

15. EQUIPMENT

The Contractor's Quality Control manager shall verify that the equipment used on site is the same as the equipment submitted for approval.

15.1. Drilling Equipment

Drilling equipment shall be suitable for advancing the drill tools to the depths and at the alignment specified.

15.2. Grouting Equipment

15.2.1. Grout Mixer

The grout mixer shall be a high-speed, high-shear, colloidal type grout mixer capable of continuous mechanical mixing that will produce uniform and thoroughly mixed grout which is free of lumps and undispersed cement. The mixer shall be equipped with a suitable water and admixture measuring devices calibrated to read in cubic feet and tenths and so designed that after each delivery the hands can be conveniently set back to zero.

15.2.2. Grout Pump

The grout pump shall be of the positive displacement type, and shall be capable of pumping at all flow rates below 20 gallons per minute, shall be capable of pumping at the pressure of at least 50 psi at zero flow rate. For neat cement grout, the pump shall have a screen with 0.125 inch maximum clearance to sieve the grout before being introduced into the pump. Screens are not required for shear type mixers. A pump shall also be available which is capable of pumping both neat cement grout mixes and sanded grout mixes. The pumping equipment shall have a pressure gage capable of measuring pressures of at least 150 psi or twice the required grout pressure, whichever is greater.

16. DRILLING HOLES

16.1. General

Holes shall be drilled at locations and inclinations determined in the field by the CO, and to the depths and diameters determined by the Contractor to provide the design bond length and capacity. Unless otherwise specified, the Contractor shall determine the drilling method to be used. No holes shall be drilled within 16 feet (horizontal and vertical) of a grouted hole until the grout has set at least 24 hours. Care shall be taken while drilling to avoid damage of any kind to the existing structures. The Contracting Officer and repairs will evaluate damages of any nature and repairs or replacements shall be made at his discretion. Holes shall be drilled a maximum of 1 foot beyond the required anchor bond length. A temporary plug shall be provided for all holes drilled more than 10 days prior to installation of the anchor. Wastewater from drilling operations shall be collected and recycled or treated; it shall not be discharged directly into a drain or the river.

16.2. Drilling in Rock

Unless otherwise specified, core drilling, rotary drilling, percussion drilling, or down-the-hole hammer using equipment suitable for the intended purpose may drill anchor holes in rock. The drilling method shall not cause structural damage to existing structures. If damage is observed, the drilling method shall be modified.

16.3. Records

The Contractor shall submit driller logs and records as specified in SD-11 closeout Submittals. The presence of a Government inspector or the keeping of separate drilling records by the Contracting Officer shall not relieve the Contractor of the responsibility for the work specified in this paragraph. Payment will not be made for any work for which the Contractor has not furnished the required records.

16.4. Tolerances

The rock bolt holes shall be located within 12 inches of the specified locations. The entry angle shall be within 3 degrees of the specified inclination. The alignment of the drilled hole shall be within 3 degrees of the theoretical alignment. If the hole alignment is not within these tolerances, the hole shall be backfilled with cement or sand-cement grout and a new hole drilled adjacent to the rejected hole.

17. INSTALLATION OF ROCK BOLTS

17.1. General

The Contractor shall be responsible for each drilled hole until the rock bolt has been installed, grouted, and accepted. Holes in rock shall be cleaned by pressurized air and/or water to remove drill cuttings and mud.

17.2. Placing

All the equipment used in handling and placing the rock bolts shall be such that it does not damage or deteriorate the Grade 75 steel, epoxy coating, or the rock bolt head. Each rock bolt shall

be inspected prior to insertion into the hole. Any damage to rock bolts or rock bolt heads shall be repaired prior to insertion or, if determined by the Contracting Officer to be not repairable, shall be replaced. Insertion of rock bolts shall be in accordance with **PTI Rec.**

17.3. Cement Grouted Rock Bolts

Grouting equipment shall be of type and capacity required for successful installation of the rock bolts. All anchors shall use single stage grouting to encase the rock bolts. Grouting shall be performed by a method in accordance with **PTI Rec.** Grouting shall commence at the bottom of the grout zone and proceed to the top of the zone.

17.4. Anchorage Installation

The bearing plate and nut shall be installed perpendicular to the rock bolt, within 3 degrees, and centered on the rock bolt without bending of the steel. Epoxy coating shall be maintained intact and any damage shall be repaired prior to acceptance of the rock bolt.

17.5. Grouting of Rock Bolts

Grouting shall commence at the bottom of the grout zone to the top of the grout zone. Grout placement shall proceed such that the hole is filled in a manner to prevent air voids. The rock bolt hole shall be progressively filled with grout and maintained completely full from bottom to top of the rock bolt hole until the grout has set.

17.6. Tightening

Nuts shall be tightened on the thread bar, using a calibrated torque wrench, to 100 foot-pounds plus or minus 10 foot-pounds.

18. FIELD QUALITY CONTROL

18.1. General

The COR will make final acceptance of each rock bolt.

18.2. Rock Bolt Records

Upon completion of installation of each rock bolt, the rock bolt records shall be furnished to the Contracting Officer as specified in paragraph SUBMITTALS.

19. ACCEPTANCE

19.1. General

The Contracting Officer shall determine acceptance of anchors.

19.2. Replacement of Rejected Rock Bolts

Any rock bolt that is rejected by the Contracting Officer shall be replaced by a new rock bolt and rock bolt hole in accordance with the specifications at no additional expense to the Government. The Contracting Officer shall indicate the location of the replacement rock bolt. Perform no drilling for a replacement rock bolt until the grouting of all rock bolts within 16 feet of the replacement rock bolt location has been allowed to set for at least 24 hours. The Contractor shall either remove failed rock bolts and thoroughly ream and clear the rock bolt hole or remove the load and cut the rock bolt and casing flush.

- END OF SECTION -

SECTION 02495
CHAIN LINK FABRIC SLOPE PROTECTION

1. GENERAL

1.1. REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

- 1.1.1. AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO)
- 1.1.2. AASHTO M 85 Standard Specification for Portland Cement HM-22; PART IA; ASTM Designation: C 150-00
- 1.1.3. AASHTO T 131 Standard Method of Test for Time of Setting of Hydraulic Cement by Vicat Needle HM-22; Part IIA; ASTM Designation: C 191-99
- 1.1.4. AASHTO M 181 Standard Specification for Chain-Link Fence Twentieth Edition
- 1.1.5. AASHTO M 232 Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware HM-22; PART IA; ASTM Designation: A 153/A 153M-00

1.2. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

- 1.2.1. ASTM A 153/A 153M(2001) Zinc Coating (Hot-Dip) on Iron and Steel Hardware
- 1.2.2. ASTM A 370 Standard Test Methods and Definitions for Mechanical Testing of Steel Products E(2002)
- 1.2.3. ASTM A 392 Standard Specification for Zinc-Coated Steel Chain-Link Fence Fabric R(2003)
- 1.2.4. ASTM A 603 Standard Specification for Zinc-Coated Steel Structural Wire Rope
- 1.2.5. ASTM A 641 Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire

1.3. FEDERAL SPECIFICATIONS

- 1.3.1. FS QQ-W-461 (Rev. H) Wire, Steel, Carbon (Round, Bare and Coated)

2. WORK REQUIREMENTS PURSUANT TO CONTRACT DOCUMENTS

2.1. Project Description

Project work consists of the installation of chain link fabric wire mesh slope protection on the Buttonhook at the location shown in the Plans or as directed by the COR. The Contractor shall provide all materials, equipment, and labor necessary to perform this work

2.2. Qualifications

Installation of chain link fabric wire mesh slope protection shall be performed by a firm which is regularly engaged in slope protection, and has at least 10 years of experience in work of similar scope and size. The superintendent responsible for installation of the wire mesh slope protection shall have worked at least five projects of similar scope and size.

3. CONTRACTOR'S USE OF PROJECT SITE

Contractor shall control use of the site; comply with laws, regulations, standards, and requirements of the Contract; allow inspection and verification of the Work by the COR; and control access of the site by the public. Coordinate work activities and utility outages/shutdowns with the COR, utility providers, and other authorized contractors or agencies performing work at the site. Health and safety is the responsibility of the Contractor.

4. PRODUCTS

4.1. GENERAL

All metal material used in the construction of chain link fabric wire mesh slope protection shall be new and galvanized. Imperfectly galvanized material or material upon which serious abrasion of galvanizing occurs will not be acceptable.

4.2. MANUFACTURED ITEMS

4.2.1. Wire Mesh

The galvanized wire mesh shall consist of No. 9 gage (0.148-inch diameter) commercial quality zinc coated steel wire, 3 by 5 inches diamond mesh chain link conforming to the requirements of AASHTO M 181. Galvanizing shall conform to the requirements of ASTM A 392 except the weight of zinc coating shall be 0.80 ounce per square foot minimum, of uncoated wire surface. Galvanizing shall be done before weaving. The wire mesh fabric shall have knuckled selvages. Alternate wire mesh for slope protection shall be double twisted mesh. The mesh shall be of nonraveling construction and consist of a uniform double twisted hexagonal mesh of hot-dip galvanized steel wire having a diameter of 0.120 inch after galvanization. The wire shall be galvanized prior to weaving into the mesh and shall conform to ASTM A 641, Class 3, Finish 5, Soft temper. The minimum tensile strength shall be 60,000 psi when tested in accordance with ASTM A 370. Openings shall be hexagonal in shape and uniform in size measuring not more than 3 inches by 4 inches, approximately 9 square inches. Lacing wire shall be the same specifications as the wire used in the wire mesh except that its diameter shall be 0.0866 inch after galvanization. Edges shall be mechanically selvaged in such a manner as to prevent unraveling, and shall develop the full strength of the mesh. The wire used for the selvage shall have a nominal diameter of 0.1535 inch.

4.2.2. Wire Rope

Wire rope shall be 1/2-inch diameter zinc coated steel structural wire rope conforming to the requirements of ASTM A 603, Class A.

4.2.3. Hardware

All rings shall be drop-forged steel, heat treated after forging, with a stock diameter of 3/4-inch and a maximum inside diameter of 6-inches. Lightweight wire rope thimbles weighing approximately 13.8 pounds per hundred shall be used with the 1/2-inch diameter wire rope. Wire rope clips may be drop-forged steel or cast steel for use with 1/2-inch wire rope. All rings, thimbles, wire rope clips, and U-bolts shall be galvanized in accordance with AASHTO M 232, Class C, except castings shall be Class A, and forgings shall be Class B.

4.2.4. Hog Rings and Tie Wire

Hog ring fasteners and tie wire shall be manufactured of 9 gauge steel wire meeting Federal specification QQ-W-461 (AISI numbers 1010 and 1015) finish 5; medium hardness and tensile strength; Class 3 coating.

4.2.5. Anchor Rods

Anchor rods shall be of good quality steel. The eye may be drop forged or formed with a full penetration weld and shall develop 100 percent of the rod strength. The anchor rod shall be galvanized in accordance with ASTM A 153.

5. GROUT

When required, grout for anchors shall consist of one part Portland cement and three parts of clean sand. The Portland cement shall conform to the requirements for Types I, II, or III cement of the Standard Specifications for Portland Cement, AASHTO M 85, except that the content of alkalis shall not exceed 0.75 percent by weight calculated as Na₂O plus 0.658 K₂O. Type II cement shall meet the requirements of the above specifications for compressive strength and for time of setting by the Vicat method, AASHTO T 131.

6. EXECUTION

6.1. Examination

Project work consists of constructing chain link fabric wire mesh slope protection in accordance with these Specifications and the details shown in the Plans. The limits of the proposed slope protection are approximately as indicated on the Plans. The actual extent of slope protection may be changed at the job site by the COR.

7. CONSTRUCTION DETAILS

7.1. Anchors

The Contractor shall install anchors of the type shown in the Plans. The Contractor will arrange the spacing and number of the anchors and wire ropes in such a manner as to hold the wire mesh against the slope. The proposed locations of anchors will be approved by the COR. The anchors installed at the top of the rock slope shall be the Type I anchors shown in the Plans. The anchors at the bottom of the chain link wire mesh shall be either Type I or Type II Anchors.

7.2. Wire Rope Assembly

The wire rope assembly shall be installed before the wire mesh is attached. No wire rope splicing will be allowed.

7.3. Chain Link Wire Mesh

The wire mesh shall be fastened to the completed wire rope assembly as shown in the Plans and as directed by the COR. Hog rings on the vertical lap splices shall be placed in a single row centered on the splice. Horizontal splices joining two rolls of mesh shall be made by removing a horizontal end wire and reweaving through the ends of the fabric to form a continuous mesh. All top and bottom laps shall be made by folding the mesh to the outside, away from the slope, to avoid the possibility of falling material hanging up in the folds. The ends of all tie wires shall be secured to the mesh with a minimum of 1 1/2 turns. The Contractor shall use care in the handling and installing of the wire mesh and wire rope. The Contractor at no expense to the Government shall replace any mesh or wire rope damaged due to the Contractor's operations.

8. EXISTING WORK

Currently, chain link fabric wire mesh slope protection does exist at the Buttonhook. The slope protection included in this Contract will be installed adjacent to this pre-existing wire mesh. The Contractor shall ensure that the old and new netting are connected with appropriate horizontal and vertical splices, so that the entire slope protection installations performs as a single unit.

END OF SECTION

Section 00700 - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.209-6	Protecting the Government's Interest When Subcontracting With Contractors Debarred, Suspended, or Proposed for Debarment	JUL 1995
52.222-1	Notice To The Government Of Labor Disputes	FEB 1997
52.222-3	Convict Labor	JUN 2003
52.222-6	Davis Bacon Act	FEB 1995
52.222-7	Withholding of Funds	FEB 1988
52.222-8	Payrolls and Basic Records	FEB 1988
52.222-9	Apprentices and Trainees	FEB 1988
52.222-10	Compliance with Copeland Act Requirements	FEB 1988
52.222-11	Subcontracts (Labor Standards)	FEB 1988
52.222-12	Contract Termination-Debarment	FEB 1988
52.222-13	Compliance with Davis -Bacon and Related Act Regulations.	FEB 1988
52.222-14	Disputes Concerning Labor Standards	FEB 1988
52.222-15	Certification of Eligibility	FEB 1988
52.222-27	Affirmative Action Compliance Requirements for Construction	FEB 1999
52.228-2	Additional Bond Security	OCT 1997
52.228-14	Irrevocable Letter of Credit	DEC 1999
52.232-5	Payments under Fixed-Price Construction Contracts	SEP 2002
52.232-27	Prompt Payment for Construction Contracts	OCT 2003
52.236-4	Physical Data	APR 1984
52.236-5	Material and Workmanship	APR 1984
52.236-7	Permits and Responsibilities	NOV 1991
52.236-9	Protection of Existing Vegetation, Structures, Equipment, Utilities, and Improvements	APR 1984
52.236-11	Use and Possession Prior to Completion	APR 1984
52.242-14	Suspension of Work	APR 1984
52.243-5	Changes and Changed Conditions	APR 1984
52.246-21	Warranty of Construction	MAR 1994
52.249-10 Alt II	Default (Fixed-Price Construction) - Alternate II	APR 1984
252.204-7004 Alt A	Required Central Contractor Registration Alternate A	NOV 2003

CLAUSES INCORPORATED BY FULL TEXT

52.213-4 TERMS AND CONDITIONS--SIMPLIFIED ACQUISITIONS (OTHER THAN COMMERCIAL ITEMS)
(APR 2004)

(a) The Contractor shall comply with the following Federal Acquisition Regulation (FAR) clauses that are incorporated by reference:

(1) The clauses listed below implement provisions of law or Executive order:

(i) 52.222-3, Convict Labor (June 2003) (E.O. 11755).

(ii) 52.222-21, Prohibition of Segregated Facilities (Feb 1999) (E.O. 11246).

(iii) 52.222-26, Equal Opportunity (Apr 2002) (E.O. 11246).

(iv) 52.225-13, Restrictions on Certain Foreign Purchases (Dec 2003) (E.o.s, proclamations, and statutes administered by the Office of Foreign Assets Control of the Department of the Treasury).

(v) 52.233-3, Protest After Award (Aug 1996) (31 U.S.C. 3553).

(2) Listed below are additional clauses that apply:

(i) 52.232-1, Payments (Apr 1984).

(ii) 52.232-8, Discounts for Prompt Payment (Feb 2002).

(iii) 52.232-11, Extras (Apr 1984).

(iv) 52.232-25, Prompt Payment (Oct 2003).

(v) 52.233-1, Disputes (Jul 2002).

(vi) 52.244-6, Subcontracts for Commercial Items (APR 2003).

(vii) 52.253-1, Computer Generated Forms (Jan 1991).

(b) The Contractor shall comply with the following FAR clauses, incorporated by reference, unless the circumstances do not apply:

(1) The clauses listed below implement provisions of law or Executive order:

(i) 52.222-19, Child Labor--Cooperation with Authorities and Remedies (Jan 2004) (E.O. 13126). (Applies to contracts for supplies exceeding the micro-purchase threshold.)

(ii) 52.222-20, Walsh-Healey Public Contracts Act (DEC 1996) (41 U.S.C. 35-45) (Applies to supply contracts over \$10,000 in the United States, Puerto Rico, or the U.S. Virgin Islands).

(iii) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (DEC 2001) (38 U.S.C. 4212) (Applies to contracts of \$25,000 or more).

(iv) 52.222-36, Affirmative Action for Workers with Disabilities (JUN 1998) (29 U.S.C. 793) (Applies to contracts over \$10,000, unless the work is to be performed outside the United States by employees recruited outside the United States.) (For purposes of this clause, United States includes the 50 States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, and Wake Island.)

(v) 52.222-37, Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (DEC 2001) (38 U.S.C. 4212) (Applies to contracts over \$25,000).

(vi) 52.222-41, Service Contract Act, As Amended (May 1989) (41 U.S.C. 351, et seq.) (Applies to service contracts over \$2,500 that are subject to the Service Contract Act and will be performed in the United States, District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, Johnston Island, Wake Island, or the outer continental shelf lands.)

(vii) 52.223-5, Pollution Prevention and Right-to-Know Information (Aug 2003) (E.O. 13148) (Applies to services performed on Federal facilities).

(viii) 52.225-1, Buy American Act--Supplies (June 2003) (41 U.S.C. 10a-10d) (Applies to contracts for supplies, and to contracts for services involving the furnishing of supplies, for use in the United States or its outlying areas, if the value of the supply contract or supply portion of a service contract exceeds the micro-purchase threshold and the **acquisition--**

(A) Is set aside for small business concerns; or

(B) Cannot be set aside for small business concerns (see 19.502-2), and does not exceed \$25,000.)

(ix) 52.232-33, Payment by Electronic Funds Transfer--Central Contractor Registration (May 1999). (Applies when the payment will be made by electronic funds transfer (EFT) and the payment office uses the Central Contractor Registration (CCR) database as its source of EFT information.)

(x) 52.232-34, Payment by Electronic Funds Transfer--Other than Central Contractor Registration (Oct 2003). (Applies when the payment will be made by EFT and the payment office does not use the CCR database as its source of EFT information.)

(xi) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (APR 2003) (46 U.S.C. Appx 1241). (Applies to supplies transported by ocean vessels (except for the types of subcontracts listed at 47.504(d).)

(2) Listed below are additional clauses that may apply:

(i) 52.209-6, Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment (JULY 1995) (Applies to contracts over \$25,000).

(ii) 52.211-17, Delivery of Excess Quantities (SEPT 1989) (Applies to fixed-price supplies).

(iii) 52.247-29, F.o.b. Origin (JUN 1988) (Applies to supplies if delivery is f.o.b. origin).

(iv) 52.247-34, F.o.b. Destination (NOV 1991) (Applies to supplies if delivery is f.o.b. destination).

(c) FAR 52.252-2, Clauses Incorporated by Reference (FEB 1998). This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

<http://www.arnet.gov/far>

<http://www.farsite.hill.af.mil>

<http://www.dtic.mil/dfars>

(d) Inspection/Acceptance. The Contractor shall tender for acceptance only those items that conform to the requirements of this contract. The Government reserves the right to inspect or test any supplies or services that have been tendered for acceptance. The Government may require repair or replacement of nonconforming supplies or reperformance of nonconforming services at no increase in contract price. The Government must exercise its postacceptance rights--

(1) Within a reasonable period of time after the defect was discovered or should have been discovered; and

(2) Before any substantial change occurs in the condition of the item, unless the change is due to the defect in the item.

(e) Excusable delays. The Contractor shall be liable for default unless nonperformance is caused by an occurrence beyond the reasonable control of the Contractor and without its fault or negligence, such as acts of God or the public enemy, acts of the Government in either its sovereign or contractual capacity, fires, floods, epidemics, quarantine

restrictions, strikes, unusually severe weather, and delays of common carriers. The Contractor shall notify the Contracting Officer in writing as soon as it is reasonably possible after the commencement of any excusable delay, setting forth the full particulars in connection therewith, shall remedy such occurrence with all reasonable dispatch, and shall promptly give written notice to the Contracting Officer of the cessation of such occurrence.

(f) Termination for the Government's convenience. The Government reserves the right to terminate this contract, or any part hereof, for its sole convenience. In the event of such termination, the Contractor shall immediately stop all work hereunder and shall immediately cause any and all of its suppliers and subcontractors to cease work. Subject to the terms of this contract, the Contractor shall be paid a percentage of the contract price reflecting the percentage of the work performed prior to the notice of termination, plus reasonable charges that the Contractor can demonstrate to the satisfaction of the Government, using its standard record keeping system, have resulted from the termination. The Contractor shall not be required to comply with the cost accounting standards or contract cost principles for this purpose. This paragraph does not give the Government any right to audit the Contractor's records. The Contractor shall not be paid for any work performed or costs incurred that reasonably could have been avoided.

(g) Termination for cause. The Government may terminate this contract, or any part hereof, for cause in the event of any default by the Contractor, or if the Contractor fails to comply with any contract terms and conditions, or fails to provide the Government, upon request, with adequate assurances of future performance. In the event of termination for cause, the Government shall not be liable to the Contractor for any amount for supplies or services not accepted, and the Contractor shall be liable to the Government for any and all rights and remedies provided by law. If it is determined that the Government improperly terminated this contract for default, such termination shall be deemed a termination for convenience.

(h) Warranty. The Contractor warrants and implies that the items delivered hereunder are merchantable and fit for use for the particular purpose described in this contract.

(End of clause)

52.228-13 ALTERNATIVE PAYMENT PROTECTIONS (JULY 2000)

(a) The Contractor shall submit one of the following payment protections:

Payment Bond

(b) The amount of the payment protection shall be 100 percent of the contract price.

(c) The submission of the payment protection is required within 10 days of contract award.

(d) The payment protection shall provide protection for the full contract performance period plus a one-year period.

(e) Except for escrow agreements and payment bonds, which provide their own protection procedures, the Contracting Officer is authorized to access funds under the payment protection when it has been alleged in writing by a supplier of labor or material that a nonpayment has occurred, and to withhold such funds pending resolution by administrative or judicial proceedings or mutual agreement of the parties.

(f) When a tripartite escrow agreement is used, the Contractor shall utilize only suppliers of labor and material that signed the escrow agreement.

(End of clause)

Section 00800 - Special Contract Requirements

WAGE DECISION

GENERAL DECISION: **WA20030001** 09/03/2004 WA1

Date: September 3, 2004

General Decision Number: **WA20030001** 09/03/2004

Superseded General Decision Number: WA020001

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	06/13/2003
1	01/23/2004
2	02/06/2004
3	02/13/2004
4	03/05/2004
5	03/12/2004
6	04/16/2004
7	05/14/2004
8	06/18/2004
9	06/25/2004
10	07/02/2004
11	07/23/2004
12	08/06/2004
13	08/20/2004
14	09/03/2004

CARP0001-008 06/01/2004

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:.....\$	23.88	7.45
GROUP 2:.....\$	24.99	7.45
GROUP 3:.....\$	24.15	7.45
GROUP 4:.....\$	23.88	7.45
GROUP 5:.....\$	59.17	7.45
GROUP 6:.....\$	28.02	7.45

SPOKANE AREA: ASOTIN,

GARFIELD, LINCOLN, PEND
 OREILLE, SPOKANE, STEVENS
 AND WHITMAN COUNTIES

GROUP 1:.....	\$ 23.21	7.45
GROUP 2:.....	\$ 24.31	7.45
GROUP 3:.....	\$ 23.47	7.45
GROUP 4:.....	\$ 23.21	7.45
GROUP 5:.....	\$ 57.50	7.45
GROUP 6:.....	\$ 27.30	7.45

CARPENTERS CLASSIFICATIONS

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

GROUP 2: Millwright, machine erector

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

GROUP 4: Bridge, dock and wharf carpenters

GROUP 5: Divers

GROUP 6: Divers Tender

DEPTH PAYY FOR DIVERS:

Each foot over 50-100 feet	\$1.00
Each foot over 100-175 feet	2.25
Each foot over 175-250 feet	5.50

HAZMAT PROJECTS:

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

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

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

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

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

 CARP0003-006 06/01/2004

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

SEE ZONE DESCRIPTION FOR CITIES BASE POINTS

ZONE 1:

	Rates	Fringes
Carpenters:		
CARPENTERS; ACOUSTICAL.....	\$ 27.72	10.70
DIVERS TENDERS.....	\$ 30.27	10.70
DIVERS.....	\$ 65.51	10.70
DRYWALL.....	\$ 27.72	10.70
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.....	\$ 27.87	10.70
MILLWRIGHTS.....	\$ 28.22	10.70
PILEDRIVERS.....	\$ 28.22	10.70

DEPTH PAY:

50 TO 100 FEET \$1.00 PER FOOT OVER 50 FEET
 100 TO 150 FEET 1.50 PER FOOT OVER 100 FEET
 150 TO 200 FEET 2.00 PER FOOT OVER 150 FEET

Zone Differential (Add up Zone 1 rates):

Zone 2 - \$0.85
 Zone 3 - 1.25
 Zone 4 - 1.70
 Zone 5 - 2.00
 Zone 6 - 3.00

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

that point.)

ZONE 1: Projects located within 30 miles of the respective city hall of the above mentioned cities

ZONE 2: Projects located more than 30 miles and less than 40 miles of the respective city of the above mentioned cities

ZONE 3: Projects located more than 40 miles and less than 50 miles of the respective city of the above mentioned cities

ZONE 4: Projects located more than 50 miles and less than 60 miles of the respective city of the above mentioned cities.

ZONE 5: Projects located more than 60 miles and less than 70 miles of the respective city of the above mentioned cities

ZONE 6: Projects located more than 70 miles of the respected city of the above mentioned cities

 CARP0770-003 06/01/2004

	Rates	Fringes
Carpenters:		
CENTRAL WASHINGTON:		
CHELAN, DOUGLAS (WEST OF THE 120TH MERIDIAN), KITTITAS, OKANOGAN (WEST OF THE 120TH MERIDIAN) AND YAKIMA COUNTIES		
ACCOUSTICAL WORKERS.....	\$ 20.98	10.27
CARPENTERS AND DRYWALL APPLICATORS.....	\$ 20.72	10.27
CARPENTERS ON CREOSOTE MATERIAL.....	\$ 20.82	10.27
DIVERS TENDER.....	\$ 31.17	10.55
DIVERS.....	\$ 70.07	10.55
INSULATION APPLICATORS.....	\$ 20.72	10.27
MILLWRIGHT AND MACHINE ERECTORS.....	\$ 29.40	10.27
PILEDRIVER, BRIDGE DOCK AND WHARF CARPENTERS.....	\$ 28.40	10.27
PILEDRIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CRESOTE TREATED MATERIAL, ALL PILING.....	\$ 28.60	10.27
SAWFILERS, STATIONARY POWER SAW OPERATORS, FLOOR FINISHER, FLOOR LAYER, SHINGLER, FLOOR SANDER OPERATOR AND OPERATORS OF OTHER STATIONARY WOOD WORKING TOOLS.....	\$ 20.85	10.27
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.....	\$ 28.56	10.55
CARPENTERS AND DRYWALL APPLICATORS.....	\$ 28.40	10.55
CARPENTERS ON CREOSOTE MATERIAL.....	\$ 28.50	10.55
DIVERS TENDER.....	\$ 31.17	10.55
DIVERS.....	\$ 70.07	10.55
INSULATION APPLICATORS.....	\$ 28.40	10.55
MILLWRIGHT AND MACHINE ERECTORS.....	\$ 29.40	10.55
PILED RIVER, BRIDGE, DOCK & WHARF CARPENTERS.....	\$ 28.40	10.55
PILED RIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CREOSOTE TREATED MATERIAL, ALL PILING.....	\$ 28.60	10.55
SAW FILERS, STATIONARY POWER SAW OPERATORS, FLOOR FINISHER, FLOOR LAYER, SHINGLER, FLOOR SANDER OPERATOR AND OPERATORS OF OTHER STATIONARY WOOD WORKING TOOLS.....	\$ 28.53	10.55

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - ALL CLASSIFICATIONS EXCEPT MILLWRIGHTS AND PILED RIVERS)

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
25-35 radius miles	\$1.00/hour
35-45 radius miles	\$1.15/hour
45-55 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
 25-45 radius miles \$.70/hour
 Over 45 radius miles \$1.50/hour

 ELEC0046-001 12/01/2003

CALLAM, JEFFERSON, KING AND KITSAP COUNTIES

	Rates	Fringes
Cable splicer.....	\$ 36.85	3%+10.55
Electrician.....	\$ 33.50	3%+10.55

 ELEC0048-003 01/01/2004

CLARK, KLICKITAT AND SKAMANIA COUNTIES

	Rates	Fringes
Cable splicer.....	\$ 31.40	3%+12.35
Electrician.....	\$ 31.15	3%+12.35

 ELEC0073-001 07/01/2004

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

	Rates	Fringes
Cable splicer.....	\$ 24.07	3%+11.58
Electrician.....	\$ 23.67	3%+11.58

 ELEC0076-002 07/01/2003

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

	Rates	Fringes
Cable splicer.....	\$ 33.32	3%+12.06
Electrician.....	\$ 30.02	3%+12.06

 ELEC0077-002 02/01/2004

	Rates	Fringes
Line Construction:		
CABLE SPLICERS.....	\$ 38.71	3.875%+8.75
GROUNDMEN.....	\$ 24.19	3.875%+7.00

LINE EQUIPMENT MEN.....	\$ 29.72	3.875%+7.00
LINEMEN, POLE SPRAYERS, HEAVY LINE EQUIPMENT MAN....	\$ 34.56	3.875%+8.75
POWDERMEN, JACKHAMMERMEN....	\$ 25.92	3.875%+7.00
TREE TRIMMER.....	\$ 20.27	3.875%+7.19

ELEC0112-005 06/01/2004

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

	Rates	Fringes
Cable splicer.....	\$ 31.24	3%+12.28
Electrician.....	\$ 29.75	3%+12.28

ELEC0191-003 09/01/2003

ISLAND, SAN JUAN, SNOHOMISH, SKAGIT AND WHATCOM COUNTIES

	Rates	Fringes
Cable splicer.....	\$ 33.72	3%+9.83
Electrician.....	\$ 30.66	3%+9.83

ELEC0191-004 09/01/2003

CHELAN, DOUGLAS, GRANT AND OKANOGAN COUNTIES

	Rates	Fringes
Cable splicer.....	\$ 29.33	3%+9.78
Electrician.....	\$ 26.66	3%+9.78

ELEC0970-001 06/01/2004

COWLITZ AND WAHKIAKUM COUNTIES

	Rates	Fringes
Cable splicer.....	\$ 31.57	3%+9.40
Electrician.....	\$ 28.70	3%+9.40

ENGI0302-003 06/01/2004

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

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

Zone 1 (0-25 radius miles):

	Rates	Fringes
Power equipment operators:		
Group 1A.....	\$ 30.61	10.25
Group 1AA.....	\$ 31.15	10.25
Group 1AAA.....	\$ 31.67	10.25
Group 1.....	\$ 30.09	10.25
Group 2.....	\$ 29.63	10.25
Group 3.....	\$ 29.24	10.25
Group 4.....	\$ 27.01	10.25

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) - \$.70
 Zone 3 (Over 45 radius miles) - \$1.00

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

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

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

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

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

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

GROUP 2 - Barrier machine (zipper); Batch Plant Operaor-Concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-overhead, bridge type-20 tons through 44 tons; Chipper; Concrete Pump-truck mount with boom attachment; Crusher; Deck Engineer/Deck Winches (power); Drilling machine; Excavator, shovel, backhoe-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; Scrpers-concrete and carry-all; Service engineer-equipment; Trenching machines; Truck Crane Oiler/Driver under 100 tons; Tractors, backhoe 75 hp and under

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

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

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

H-1 Base wage rate when on a hazardous waste site when not

outfitted with protective clothing.

H-2 Class "C" Suit - Base wage rate plus \$.25 per hour.

H-3 Class "B" Suit - Base wage rate plus \$.50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$.75 per hour.

 ENGI0302-009 06/01/2004

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.....	\$ 28.80	10.25
TOTAL PROJECT COST UNDER		
\$300,000.....	\$ 26.96	8.40
GROUP 2		
TOTAL PROJECT COST		
\$300,000 AND OVER.....	\$ 28.91	10.25
TOTAL PROJECT COST UNDER		
\$300,000.....	\$ 27.06	8.40
GROUP 3		
TOTAL PROJECT COST		
\$300,000 AND OVER.....	\$ 29.27	10.25
TOTAL PROJECT COST UNDER		
\$300,000.....	\$ 27.38	8.40
GROUP 4		
TOTAL PROJECT COST		
\$300,000 AND OVER.....	\$ 29.32	10.25
TOTAL PROJECT COST UNDER		
\$300,000.....	\$ 27.43	8.40
GROUP 5		
TOATL PROJECT COST		
\$300,000 AND OVER.....	\$ 30.79	10.25
TOTAL PROJECT COST UNDER		
\$300,000.....	\$ 28.75	8.40
GROUP 6		
TOTAL PROJECT COST		
\$300,000 AND OVER.....	\$ 28.80	10.25
TOTAL PROJECT COST UNDER		
\$300,000.....	\$ 26.96	8.40

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) - \$.70

Zone 3 (Over 45 radius miles) - \$1.00

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

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

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

CATEGORY B PROJECTS: 95% OF THE BASIC HOURLY RATE FOR EACH GROUP PLUS FULL FRINGE BENEFITS APPLICABLE TO CATEGORY A PROJECTS SHALL APPLY TO THE FOLLOWING PROJECTS. 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 classifications subject to working inside a federally designed hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing.

H-2 Class "C" Suit - Base wage rate plus \$.25 per hour.

H-3 Class "B" Suit - Base wage rate plus \$.50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$.75 per hour.

ENGI0370-002 08/01/2003

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.....	\$ 20.94	7.37
GROUP 1.....	\$ 21.49	7.37
GROUP 2.....	\$ 21.81	7.37
GROUP 3.....	\$ 22.42	7.37
GROUP 4.....	\$ 22.58	7.37
GROUP 5.....	\$ 22.74	7.37
GROUP 6.....	\$ 23.02	7.37
GROUP 7.....	\$ 23.29	7.37
GROUP 8.....	\$ 24.39	7.37

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

Zone 1: Within 45 mile radius of Spokane, Moses Lake, Pasco, Washington; Lewiston, Idaho

Zone 2: Outside 45 mile radius of Spokane, Moses Lake, Pasco, Washington; Lewiston, Idaho

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

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

GROUP 1: Bit Grinders; Bolt Threading Machine; Compressors (under 2000 CFM, gas, diesel, or electric power); Deck Hand; Drillers Helper (Assist driller in making drill rod connections, service drill engine and air compressor, repair drill rig and drill tools, drive drill support truck to and on the job site, remove drill cuttings from around bore hole and inspect drill rig while in operation); Fireman & Heater Tender; Grade Checker; 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

GROUP 2: A-frame Truck (single drum); Assistant Refrigeration Plant (under 1000 ton); Assistant Plant Operator, Fireman or Pugmiser (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; 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 (Dumora, 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; Tractor (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)(operate drilling machine, drive or transport drill rig to and on job site and weld well casing); Equipment Serviceman; Greaser & Oiler; Hoist (2 or more drums or Tower Hoist); Loaders (overhead & front-end, under 4 yds. R/T); Refrigeration Plant Engineer (under 1000 ton); Rubber-tired Skidders (R/T with or without attachments); Surface Heater & Plant Machine; Trenching Machines (under 7 ft. depth capacity); Turnhead (with re-screening); Vacuum Drill (reverse circulation drill under 8 inch bit)

GROUP 5: Backhoe (under 45,000 gw); Backhoe & Hoe Ram (under 3/4 yd.); Carrydeck & Boom Truck (under 25 tons); Cranes (25 tons & under), all attachments including clamshell, dragline; Derricks & Stifflegs (under 65 tons); Drilling Equipment(8 inch bit & over) (Robbins, reverse circulation & similar)(operates drilling machine, drive or transport drill rig to and on job site and weld well casing); Hoe Ram; Piledriving Engineers; Paving (dual drum); Railroad Track Liner Operaotr (self-propelled); Refrigeration Plant Engineer (1000 tons & over); Signalman (Whirleys, Highline Hammerheads or similar)

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, Athey & Huber); Boom Cats (side); Cable Controller (dispatcher); Clamshell Operator (under 3 yds.); 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; Draglines (under 3 yds.); Drill Doctor; H.D. Mechanic; H.D. Welder; 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.); Tractors (D-6 & equivalent & over); Trenching Machines (7 ft. depth & over); Tug Boat Operator Vactor guzzler, super sucker

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 & Stiffleys (65 tons & over); Elevating Belt (Holland type); Heavy equipment robotics operator; Loader (360 degrees revolving Koehring Scooper or similar); Loaders (overhead & front-end, over 8 yds. to 10 yds.); Rubber-tired Scrapers (multiple engine with three or more scrapers); Shovels (3 yds. & over); Whirleys & Hammerheads, ALL

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

BOOM PAY: (All Cranes, Including Tower)
180 ft to 250 ft \$.30 over scale
Over 250 ft \$.60 over scale

NOTE:

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

HAZMAT:

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

ENGI0370-006 06/01/2002

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:.....	\$ 24.73	6.27
GROUP 2:.....	\$ 25.10	6.27
GROUP 3:.....	\$ 25.13	6.27
GROUP 4:.....	\$ 25.52	6.27
GROUP 5:.....	\$ 24.63	6.27

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

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

 ENGI0612-001 06/01/2004

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

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

	Rates	Fringes
Power equipment operators:		
WORK PERFORMED ON		
HYDRAULIC DREDGES:Total		
Project cost \$300,000 and over		
GROUP 1.....	\$ 28.80	10.25
GROUP 2.....	\$ 28.91	10.25
GROUP 3.....	\$ 29.27	10.25
GROUP 4.....	\$ 29.32	10.25
GROUP 5.....	\$ 30.79	10.25
GROUP 6.....	\$ 28.80	10.25
WORK PERFORMED ON		
HYDRAULIC DREDGES:Total		
Project Cost under \$300,000		
GROUP 1.....	\$ 26.96	8.40
GROUP 2.....	\$ 27.06	8.40
GROUP 3.....	\$ 27.38	8.40
GROUP 4.....	\$ 27.43	8.40
GROUP 5.....	\$ 28.75	8.40
GROUP 6.....	\$ 26.96	8.40

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

BASEPOINTS: Tacoma, Olympia, and Centralia

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

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

WORK PERFORMED ON HYDRAULIC DREDGES:

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

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

HANDLING OF HAZARDOUS WASTE MATERIALS

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

ENGI0612-002 06/01/2004

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.....	\$ 30.61	10.25
GROUP 1AA.....	\$ 31.15	10.25
GROUP 1AAA.....	\$ 31.67	10.25
GROUP 1.....	\$ 30.09	10.25
GROUP 2.....	\$ 29.63	10.25

GROUP 3.....	\$ 29.24	10.25
GROUP 4.....	\$ 27.01	10.25

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) = \$.70

Zone 3 (Over 45 radius miles) - \$1.00

BASEPOINTS: CENTRALIA, OLYMPIA, TACOMA

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

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

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

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

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

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

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

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

FOOTNOTE A- Reduced rates may be paid on the following:

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

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

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing

H-2 Class "C" Suit - Base wage rate plus \$.25 per hour.

H-3 Class "B" Suit - Base wage rate plus \$.50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$.75 per hour.

ENGI0701-002 01/01/2004

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

Rates

Fringes

Power equipment operators:

(See Footnote A)

ZONE 1:

GROUP 1.....	\$ 29.51	9.70
GROUP 1A.....	\$ 30.99	9.70
GROUP 1B.....	\$ 32.46	9.70
GROUP 2.....	\$ 28.25	9.70
GROUP 3.....	\$ 27.47	9.70
GROUP 4.....	\$ 26.93	9.70
GROUP 5.....	\$ 26.32	9.70
GROUP 6.....	\$ 23.91	9.70

Zone Differential (add to Zone 1 rates):

Zone 2 - \$1.50

Zone 3 - 3.00

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

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

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

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

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

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

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

All jobs or projects located more than 50 miles from the respective city hall of the above mentioned cities shall

receive Zone III pay for all classifications.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

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

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

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

GROUP 2: ASPHALT: Asphalt Plant Operator (any type); Roto Mill, pavement profiler, operator, 6 foot lateral cut and over; BLADE: Auto Grader or "Trimmer" (Grade Checker required); Blade Operator, Robotic; BULLDOZERS: Bulldozer operator over 120,000 lbs and above; Bulldozer operator, twin engine; Bulldozer Operator, tandem, quadnine, D10, D11, and similar type; Bulldozere Robotic Equipment (any type; CONCRETE: Batch Plant and/or Wet Mix Operator, one and two drum; Automatic Concrete Slip Form Paver Operator; Concrete Canal Line Operator; Concrete Profiler, Diamond Head; CRANE: Cableway Operator, 25 tons and over; HYDRAULIC CRANE: Hydraulic crane operator 90 tons through 199 tons (with 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.

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 (with luffing or tower attachment); LATTICE BOOM CRANES: Lattice Boom Crane-50 through 89 tons (and less than 150 feet boom); FORKLIFT: Rock Hound Operator; HYDRAULIC HOES-EXCAVATOR: excavator over 80,000 lbs. through 130,000 lbs.; LOADERS: Loader operator 60,000 and less than 120,000; RUBBER-TIRED SCRAPERS: Scraper Operator, with tandem scrapers; Self-loading, paddle wheel, auger type, finish and/or 2 or more units; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER OPERATOR: Shovel, Dragline, Clamshell operators 3 cu. yds. but less than 5 cu yds.

GROUP 4: ASPHALT: Screed Operator; Asphalt Paver operator (screeman required); BLADE: Blade operator; Blade operator, finish; Blade operator, externally controlled by electronic, mechanical hydraulic means; Blade operator, multi-engine; BULLDOZERS: Bulldozer Operator over 20,000 lbs and more than 100 horse up to 70,000 lbs; Drill Cat Operator; Side-boom Operator; Cable-Plow Operator (any type); CLEARING: Log Skidders; Chippers; Incinerator; Stump Splitter (loader mounted or similar type); Stump Grinder (loader mounted or similar type; Tub Grinder; Land Clearing Machine (Track mounted forestry mowing & grinding machine); Hydro Axe (loader mounted or similar type); COMPACTORS SELF-PROPELLED: Compactor Operator, with blade; Compactor Operator, multi-engine; Compactor Operator, robotic; CONCRETE: Mixer Mobile Operator; Screed Operator; Concrete Cooling Machine Operator; Concrete Paving Road Mixer; Concrete Breaker; Reinforced Tank Banding Machine (K-17 or similar types); Laser Screed; CRANE: Chicago boom and similar types; Lift Slab Machine Operator; Boom type lifting device, 5 ton capacity or less; Hoist Operator, two (2) drum; Hoist Operator, three (3) or more drums; Derrick Operator, under 100 ton; Hoist Operator, stiff leg, guy derrick or similar type, 50 ton and over; Cableway Operator up to twenty (25) ton; Bridge Crane Operator, Locomotive, Gantry, Overhead; Cherry Picker or similar type crane; Carry Deck Operator; Hydraulic Crane Operator, under 50 tons; LATTICE BOOM CRANE OPERATOR: Lattice Boom Crane Operator, under 50 tons; CRUSHER: Generator Operator; Diesel-Electric Engineer; Grizzley Operator; Drill Doctor; Boring Machine Operator; Driller-Perussion, 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 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; Stationay Drag Scraper Operator; Shovel, Dragline, Clamshell, Operator under 3 cy yds.; Grade-all Operator; SURFACE (BASE) MATERIAL: Blade mounted spreaders, Ulrich and similar types; TRACTOR-RUBBERED TIRED: Tractor operator, rubber-tired, over 50 hp flywheel; Tractor operator, with boom attachment; Rubber-tired dozers and pushers (Michigan, Cat, Hough type); Skip Loader, Drag Box; TRENCHING MACHINE: Trenching Machine operator, digging capacity over 3 ft depth; Back filling machine operator; TUNNEL: Mucking machine operator

GROUP 5: ASPHALT: Extrusion Machine Operator; Roller Operator (any asphalt mix); Asphalt Burner and Reconditioner Operator (any type); Roto-Mill, pavement profiler, ground man; BULLDOZERS: Bulldozer operator, 20,000 lbs. or less or 100 horse or less; COMPRESSORS: Compressor Operator (any power), over 1,250 cu. ft. total capacity; COMPACTORS: Compactor Operator, including vibratory; Wagner Pactor Operator or similar type (without blade); CONCRETE: Combination mixer and Compressor Operator, gunite work; Concrete Batch Plant Quality Control Operator; Belcrete Operator; Pumpcrete Operator (any type); Pavement Grinder and/or Grooving Machine Operator (riding type); Cement Pump Operator, Fuller-Kenyon and similar; Concrete Pump Operator; Grouting Machine Operator; Concrete mixer operator, single drum, under (5) bag capacity; Cast in place pipe laying machine; maginnis Internal Full slab vibrator operator; Concrete finishing mahine operator, Clary, Johnson, Bidwell, Burgess Bridge deck or similar type; Curb Machine Operator, mechanical Berm, Curb and/or Curb and Gutter; Concrete Joint Machine

Operator; Concrete Planer Operator; Tower Mobile Operator; Power Jumbo Operator setting slip forms in tunnels; Slip Form Pumps, power driven hydraulic lifting device for concrete forms; Concrete Paving Machine Operator; Concrete Finishing Machine Operator; Concrete Spreader Operator; CRANE: Helicopter Hoist Operator; Hoist Operator, single drum; Elevator Operator; A-frame Truck Operator, Double drum; Boom Truck Operator; HYDRAULIC CRANE OPERATOR: Hydraulic Boom Truck, Pittman; DRILLING: Churn Drill and Earth Boring Machine Operator; Vacuum Truck; Directional Drill Operator over 20,000 lbs pullback; FLOATING EQUIPMENT: Fireman; FORKLIFT: Fork Lift, over 10 ton and/or robotic; HYDRAULIC HOES EXCAVATORS: Hydraulic Backhoe Operator, wheel type (Ford, John Deere, Case type); Hydraulic Backhoe Operator track type up to and including 20,000 lbs.; LOADERS: Loaders, rubber-tired type, less than 25,000 lbs; Elevating Grader Operator, Tractor Towed requiring Operator or Grader; Elevating loader operator, Athey and similar types; OILERS: Service oiler (Greaser); PIPELINE-SEWER WATER: Hydra hammer or 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; 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

 ENGI0701-003 06/01/2004

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

DREDGING:

	Rates	Fringes
Dredging:		
ZONE A		
ASSISTANT ENGINEER.....	\$ 31.52	9.75
ASSISTANT MATE.....	\$ 27.62	9.75
LEVERMAN, DIPPER, FLOATING CLAMSHELL.....	\$ 33.84	9.75
LEVERMAN, HYDRAULIC.....	\$ 33.84	9.75
TENDERMAN.....	\$ 30.46	9.75
ZONE B		
ASSISTANT ENGINEER.....	\$ 33.52	9.75
ASSISTANT MATE.....	\$ 29.62	9.75
LEVERMAN, DIPPER, FLOATING CLAMSHELL.....	\$ 35.84	9.75
LEVERMAN, HYDRAULIC.....	\$ 35.84	9.75
TENDERMAN.....	\$ 32.46	9.75
ZONE C		
ASSISTANT ENGINEER.....	\$ 34.52	9.75
ASSISTANT MATE.....	\$ 30.62	9.75
LEVERMAN, DIPPER, FLOATING CLAMSHELL.....	\$ 36.84	9.75
LEVERMAN, HYDRAULIC.....	\$ 36.84	9.75
TENDERMAN.....	\$ 33.46	9.75

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.

 IRON0014-005 07/01/2004

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

	Rates	Fringes
Ironworker.....	\$ 26.87	13.30

 IRON0029-002 07/01/2004

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

	Rates	Fringes
Ironworker.....	\$ 28.47	13.30

 IRON0086-002 07/01/2004

YAKIMA, KITTITAS AND CHELAN COUNTIES

	Rates	Fringes
Ironworker.....	\$ 28.02	13.30

 IRON0086-004 07/01/2004

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

	Rates	Fringes
Ironworker.....	\$ 29.82	13.30

 LABO0001-002 06/01/2004

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.....	\$ 19.96	7.70
GROUP 2.....	\$ 20.28	7.70
GROUP 3.....	\$ 24.96	7.70
GROUP 4.....	\$ 25.44	7.70
GROUP 5.....	\$ 25.80	7.70

CHELAN, DOUGLAS (WEST OF
THE 120TH MERIDIAN),
KITTITAS AND YAKIMA COUNTIES

GROUP 1.....	\$ 14.70	7.70
GROUP 2.....	\$ 17.02	7.70
GROUP 3.....	\$ 18.74	7.70
GROUP 4.....	\$ 19.22	7.70
GROUP 5.....	\$ 19.58	7.70

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):

ZONE 2 - \$.70
ZONE 3 - \$1.00

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

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

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

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

LABORERS CLASSIFICATIONS

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

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

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack;

Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, 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; Mortarman and Hodcarrier; 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 (lager shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

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

LABO0238-004 06/01/2004

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.....	\$ 17.46	6.80
GROUP 2.....	\$ 19.56	6.80
GROUP 3.....	\$ 19.83	6.80
GROUP 4.....	\$ 20.10	6.80
GROUP 5.....	\$ 20.38	6.80
GROUP 6.....	\$ 21.75	6.80

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

BASE POINTS: Spokane, Moses Lake, Pasco, Lewiston

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

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

LABORERS CLASSIFICATIONS

GROUP 1: Flagman; Landscape Laborer; Scaleman; Traffic Control Maintenance Laborer (to include erection and maintenance of barricades, signs and relief of flagperson); Window Washer/Cleaner (detail cleanup, such as, but not limited to cleaning floors, ceilings, walls, windows, etc. prior to final acceptance by the owner)

GROUP 2: Asbestos Abatement Worker; Brush Hog Feeder; Carpenter Tender; Cement Handler; Clean-up Laborer; Concrete Crewman (to include stripping of forms, hand operating jacks on slip form construction, application of concrete curing compounds, pumpcrete machine, signaling, handling the nozzle of 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 laborers when laborers working on free standing concrete stacks for smoke or fume control above 40 feet high); Gunitite (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

LAB00238-006 06/01/2004

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

	Rates	Fringes
Hod Carrier.....	\$ 21.05	6.80

LAB00335-001 06/01/2004

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 WAHKIAKUM COUNTIES

	Rates	Fringes
Laborers:		
ZONE 1:		
GROUP 1.....	\$ 23.73	7.50
GROUP 2.....	\$ 24.27	7.50
GROUP 3.....	\$ 24.68	7.50
GROUP 4.....	\$ 25.03	7.50
GROUP 5.....	\$ 21.44	7.50
GROUP 6.....	\$ 19.22	7.50
GROUP 7.....	\$ 16.30	7.50

Zone Differential (Add to Zone 1 rates):

Zone 2 \$ 0.65
 Zone 3 - 1.15
 Zone 4 - 1.70
 Zone 5 - 2.75

BASE POINTS: GOLDENDALE, LONGVIEW, AND VANCOUVER

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

LABORERS CLASSIFICATIONS

GROUP 1: Asphalt Plant Laborers; Asphalt Spreaders; Batch Weighman; Broomers; Brush Burners and Cutters; Car and Truck Loaders; Carpenter Tender; Change-House Man or Dry Shack Man; Choker Setter; Clean-up Laborers; Curing, Concrete; Demolition, Wrecking and Moving Laborers; Dumpers, road oiling crew; Dumpmen (for grading crew); Elevator Feeders; Guard Rail, Median Rail Reference Post, Guide Post, Right of Way Marker; Fine Graders; Fire Watch; Form Strippers (not swinging stages); General Laborers; Hazardous Waste Worker; Leverman or Aggregate Spreader (Flaherty and similar types); Loading Spotters; Material Yard Man (including electrical); Pittsburgh Chipper Operator or Similar Types; Railroad Track Laborers; Ribbon Setters (including steel forms); Rip Rap Man (hand placed); Road Pump Tender; Sewer Labor; Signalman; Skipman; Slopers; Spraymen; Stake Chaser; Stockpiler; Tie Back Shoring; Timber Faller and Buckler (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; Gunitite Nozzleman Tender; Gunitite or Sand Blasting Pot Tender; Handlers or Mixers of all Materials of an irritating nature (including cement and lime); Tool Operators (includes but not limited to: Dry Pack Machine; Jackhammer; Chipping Guns; Paving Breakers); Pipe Doping and Wrapping; Post Hole Digger, air, gas or electric; Vibrating Screed; Tampers; Sand Blasting (Wet); Stake-Setter; Tunnel-Muckers, Brakemen, Concrete Crew, Bullgang (underground)

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

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

GROUP 5: Traffic Flaggers

GROUP 6: Fence Builders

GROUP 7: Landscaping or Planting Laborers

LABO0335-010 06/01/2004

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

	Rates	Fringes
Hod Carrier.....	\$ 25.49	7.50

PAIN0005-002 06/01/2003

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

	Rates	Fringes
Painters:		
STRIPERS.....	\$ 21.25	6.42

PAIN0005-004 03/01/2004

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

	Rates	Fringes
Painter.....	\$ 24.36	6.41

PAIN0005-006 07/01/2004

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

	Rates	Fringes
Painters:		
Application of Cold Tar Products, Epoxies, Polyure thanes, Acids, Radiation Resistant Material, Water and Sandblasting, Bridges, Towers, Tanks, Stacks, Steeple.....	\$ 19.89	6.43
Brush, Roller, Striping, Steam-cleaning and Spray....	\$ 18.89	6.43
Lead Abatement, Asbestos Abatement.....	\$ 19.89	6.43
TV Radio, Electrical Transmission Towers.....	\$ 20.64	6.43

*\$.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 07/01/2003

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

	Rates	Fringes
Painters:		
Brush & Roller.....	\$ 17.61	6.12
High work - All work 60 ft. or higher.....	\$ 18.36	6.12
Spray and Sandblasting.....	\$ 18.21	6.12

PAIN0055-007 06/01/2004

CLARK, COWLITZ, KLICKITAT, SKAMANIA and WAHKIAKUM COUNTIES

	Rates	Fringes
Painters:		
HIGHWAY AND PARKING LOT STRIPER.....	\$ 23.99	8.05

PLAS0072-004 06/01/2004

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		
ZONE 1:.....	\$ 22.48	7.28

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

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

PLAS0528-001 06/01/2004

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

	Rates	Fringes
Cement Masons:		
CEMENT MASON.....	\$ 29.14	10.87
COMPOSITION, COLOR MASTIC, TROWEL MACHINE, GRINDER, POWER TOOLS, GUNNITE NOZZLE..	\$ 29.39	10.87

PLAS0555-002 06/01/2004

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

ZONE 1:

	Rates	Fringes
Cement Masons:		
CEMENT MASONS DOING BOTH COMPOSITION/POWER MACHINERY AND SUSPENDED/HANGING SCAFFOLD..	\$ 26.95	10.80
CEMENT MASONS ON SUSPENDED, SWINGING AND/OR HANGING SCAFFOLD.....	\$ 26.47	10.80
CEMENT MASONS.....	\$ 25.99	10.80
COMPOSITION WORKERS AND POWER MACHINERY OPERATORS...	\$ 26.47	10.80

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: BEND, CORVALLIS, EUGENE, LONGVIEW, 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

 * PLUM0032-002 06/01/2004

CLALLAM, KING AND JEFFERSON COUNTIES

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 34.63	15.28

 * PLUM0032-003 06/01/2004

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

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 25.43	12.63

 PLUM0044-003 06/01/2003

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

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 26.01	10.74

 PLUM0082-001 01/01/2004

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

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 30.40	13.17

 PLUM0265-003 01/01/2004

ISLAND, SKAGIT, SNOHOMISH, SAN JUAN AND WHATCOM COUNTIES

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 30.20	13.17

PLUM0290-003 04/01/2004

CLARK (ALL EXCLUDING NORTHERN TIP INCLUDING CITY OF WOODLAND)

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 32.58	14.07

 PLUM0598-005 06/01/2004

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.....	\$ 31.57	15.25

 PLUM0631-001 01/01/2004

MASON (NE SECTION), AND KITSAP COUNTIES

	Rates	Fringes
Plumbers and Pipefitters All new construction, additions, and remodeling of commercial building projects such as: cocktail lounges and taverns, professional buildings, medical clinics, retail stores, hotels and motels, restaurants and fast food types, gasoline service stations, and car washes where the plumbing and mechanical cost of the project is less than \$100,000.....	\$ 20.85	4.58
All other work where the plumbing and mechanical cost of the project is \$100,000 and over.....	\$ 29.29	13.17

 TEAM0037-002 06/01/2004

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 WAHAKIYAKUM COUNTIES

	Rates	Fringes
Truck drivers:		

ZONE 1		
GROUP 1.....	\$ 24.15	9.50
GROUP 2.....	\$ 24.27	9.50
GROUP 3.....	\$ 24.40	9.50
GROUP 4.....	\$ 24.66	9.50
GROUP 5.....	\$ 24.88	9.50
GROUP 6.....	\$ 25.04	9.50
GROUP 7.....	\$ 25.24	9.50

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

GROUP 2: Boom truck/hydra lift or retracting crane; Challenger; Dumpsters or similar equipment all sizes; Dump Trucks/articulated dumps 6 cu to 10 cu.; Flaherty Spreader Driver or Leverman; Lowbed Equipment, Flat Bed Semi-trailer or doubles transporting equipment or wet or dry materials; Lumber Carrier, Driver-Straddle Carrier (used in loading, unloading and transporting of materials on job site); Oil

Distributor Driver or Leverman; Transit mix and wet or dry mix 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; Selfpropelled 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 cleanup 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: 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 prebatch 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)

TEAM0174-001 06/01/2004

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:.....	\$ 26.39	11.08
GROUP 2:.....	\$ 25.81	11.08
GROUP 3:.....	\$ 23.41	11.08
GROUP 4:.....	\$ 19.16	11.08
GROUP 5:.....	\$ 26.15	11.08

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

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

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

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

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1 - "A-frame or Hydralift" trucks and Boom trucks or similar equipment when "A" frame or "Hydralift" and Boom truck or similar equipment is used; Buggymobile; Bulk Cement Tanker; Dumpsters and similar equipment, Tournorockers, Tournowagon, Tournotrailer, Cat DW series, Terra Cobra, Le Tourneau, Westinghouse, Athye Wagon, Euclid Two and Four-Wheeled power tractor with trailer and similar top-loaded equipment transporting material: Dump Trucks, side, end and bottom dump, including semi-trucks and trains or combinations thereof with 16 yards to 30 yards capacity: Over 30 yards \$.15 per hour additional for each 10 yard increment; Explosive Truck (field mix) and similar equipment; Hyster Operators (handling bulk loose aggregates); Lowbed and Heavy Duty Trailer; Road Oil Distributor Driver; Spreader, Flaherty Transit mix used exclusively in heavy construction; Water Wagon and Tank Truck-3,000 gallons and over capacity

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

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

GROUP 4 - Escort or Pilot Car

GROUP 5 - Mechanic

HAZMAT PROJECTS

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

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

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

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

TEAM0760-002 06/01/2004

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: (INCLUDES ALL OF YAKIMA COUNTY)

GROUP 1.....	\$ 17.83	9.50
GROUP 2.....	\$ 20.10	9.50
GROUP 3.....	\$ 20.60	9.50
GROUP 4.....	\$ 20.93	9.50
GROUP 5.....	\$ 21.04	9.50
GROUP 6.....	\$ 21.21	9.50
GROUP 7.....	\$ 21.74	9.50
GROUP 8.....	\$ 22.07	9.50

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: 45 radius miles and over 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 (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)

GROUP 7: Oil Distributor Driver; Stringer Truck (cable operated 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 addition 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 in conjunction with a chemical splash suit or fully encapsulated suit with a self-contained breathing apparatus.

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.

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

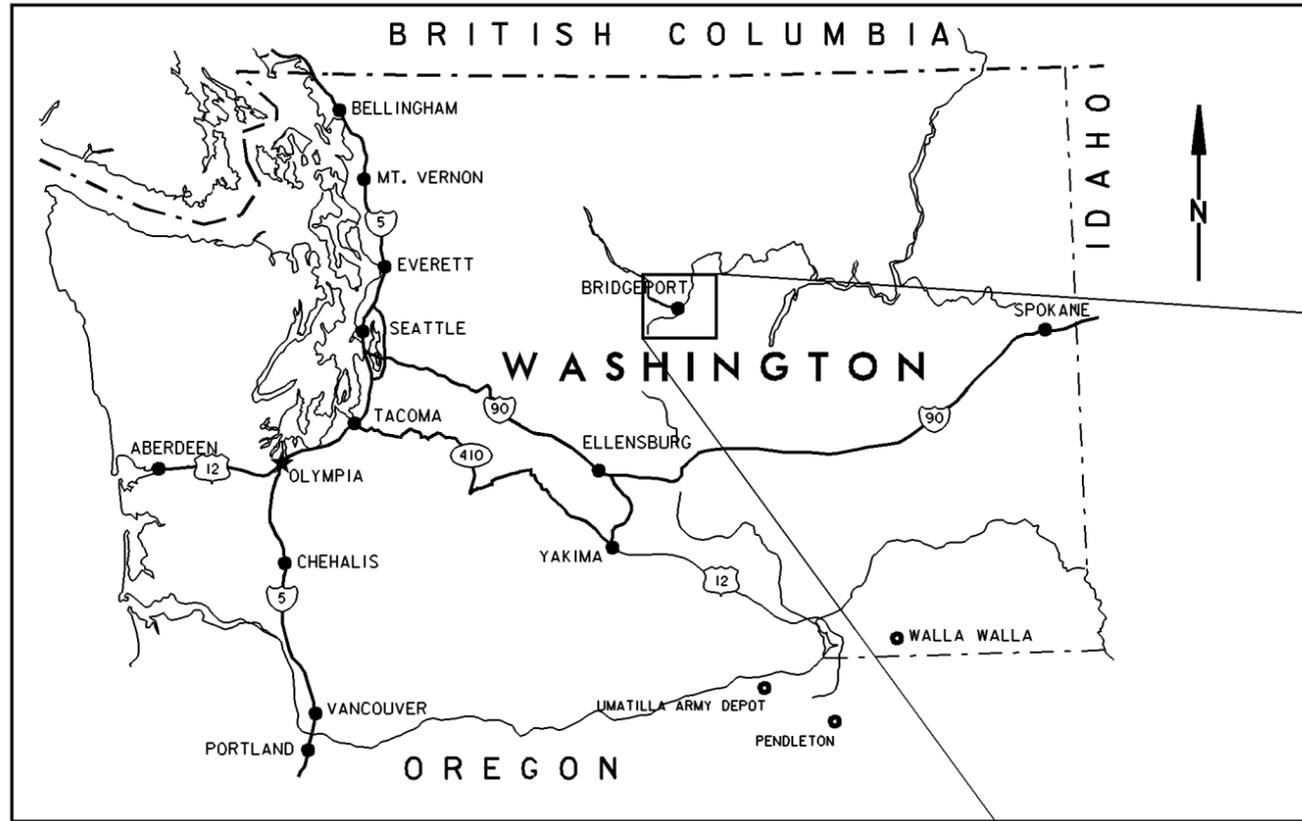
4.) All decisions by the Administrative Review Board are final.

=====

END OF GENERAL DECISION

ACCOUNTING AND APPROPRIATION DATA

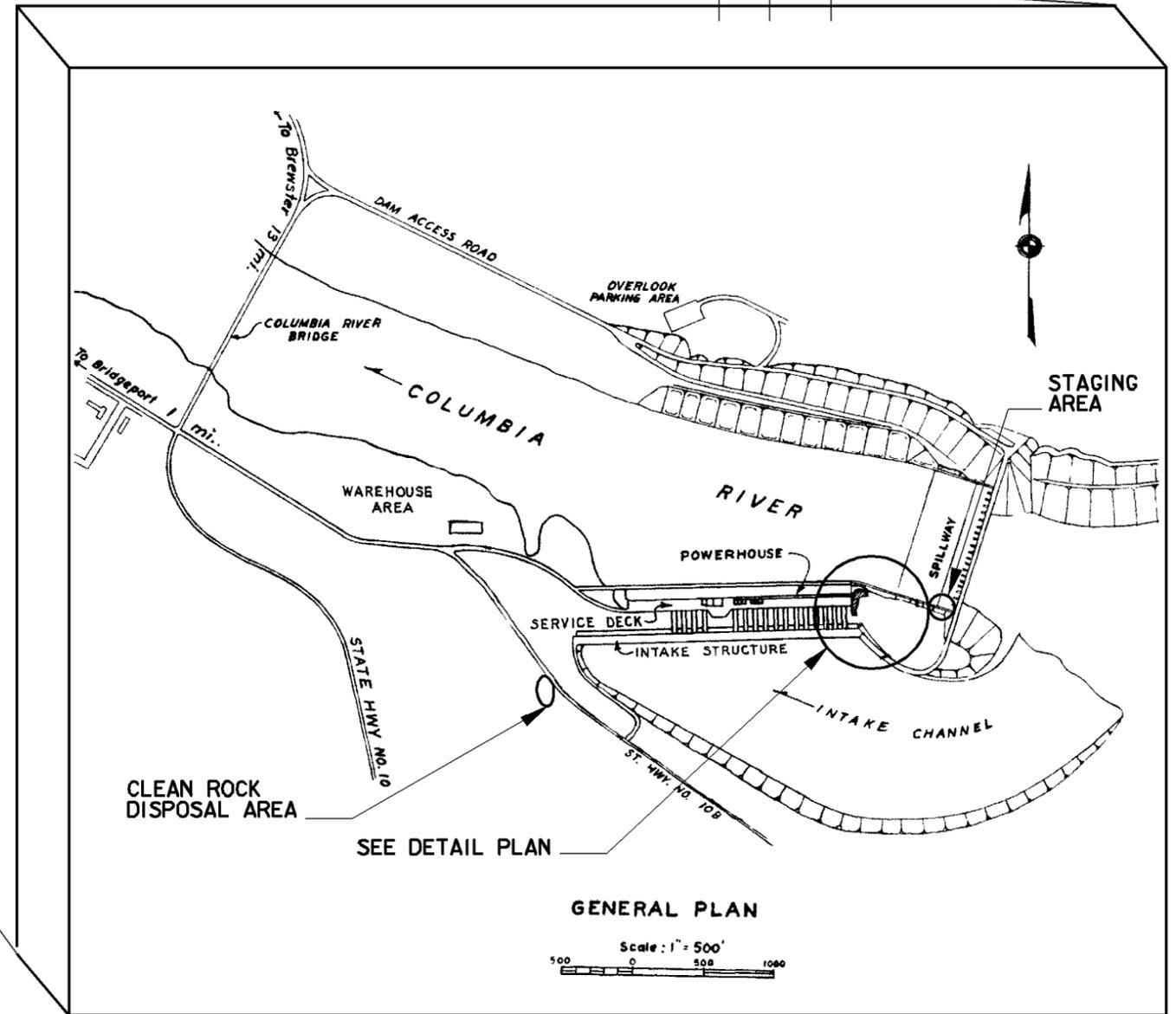
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COST 000000000000
CODE:
AMOUNT: \$87,500.00



		REVISIONS		DATE	BY
SYMBOL	ZONE	DESCRIPTION			

CHIEF JOSEPH DAM BUTTONHOOK ROCK STABILIZATION

BRIDGEPORT, WASHINGTON



NOTE:
THE "GENERAL PLAN" MAP HEREIN WAS TAKEN FROM
DRAWING NUMBER E-51-5-15, "COLUMBIA RIVER,
WASHINGTON, CHIEF JOSEPH DAM - ROCK SLOPE
PROTECTION," CORPS OF ENGINEERS, U. S. ARMY,
OFFICE OF THE DISTRICT ENGINEER, SEATTLE,
WASHINGTON.

SAFETY PAYS

DATE AND TIME PLOTTED: 18-JUN-2003 09:56
DESIGN FILE: J:\NCW\C\GEO\TECH\ANDREJSNBILL\DRAGTS_1\NCJBHGG0A.DWG

PREPARED BY
LAWRENCE V. MANN, P.E.
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REVIEWED BY
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PROJECT MANAGER

SUBMITTED BY
DEAN M. SCHMIDT
TECH. ENG. & REVIEW SECTION

RECOMMENDED BY
MARK A. OHLSTROM, P.E.
CHIEF, DESIGN BRANCH

APPROVED BY
BRIAN R. APPLEBURY, P.E.
CTO, CHIEF, ENGINEERING AND CONSTRUCTION DIVISION

U.S. ARMY ENGINEER DISTRICT, SEATTLE
CORPS OF ENGINEERS
SEATTLE, WASHINGTON

BUTTONHOOK ROCK STABILIZATION

TITLE AND AREA MAPS

CHIEF JOSEPH DAM

BRIDGEPORT WASHINGTON

SIZE	INVITATION NO.	FILE NO.	DATE	PLATE
D		E-51-5-36	FY03	CI.1
DSGN.	CHK.	DRG.	SHEET	1 OF 6
DIMBIRS/SCHIFFELBEIN	DIMBIRS			

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DRAWING INDEX

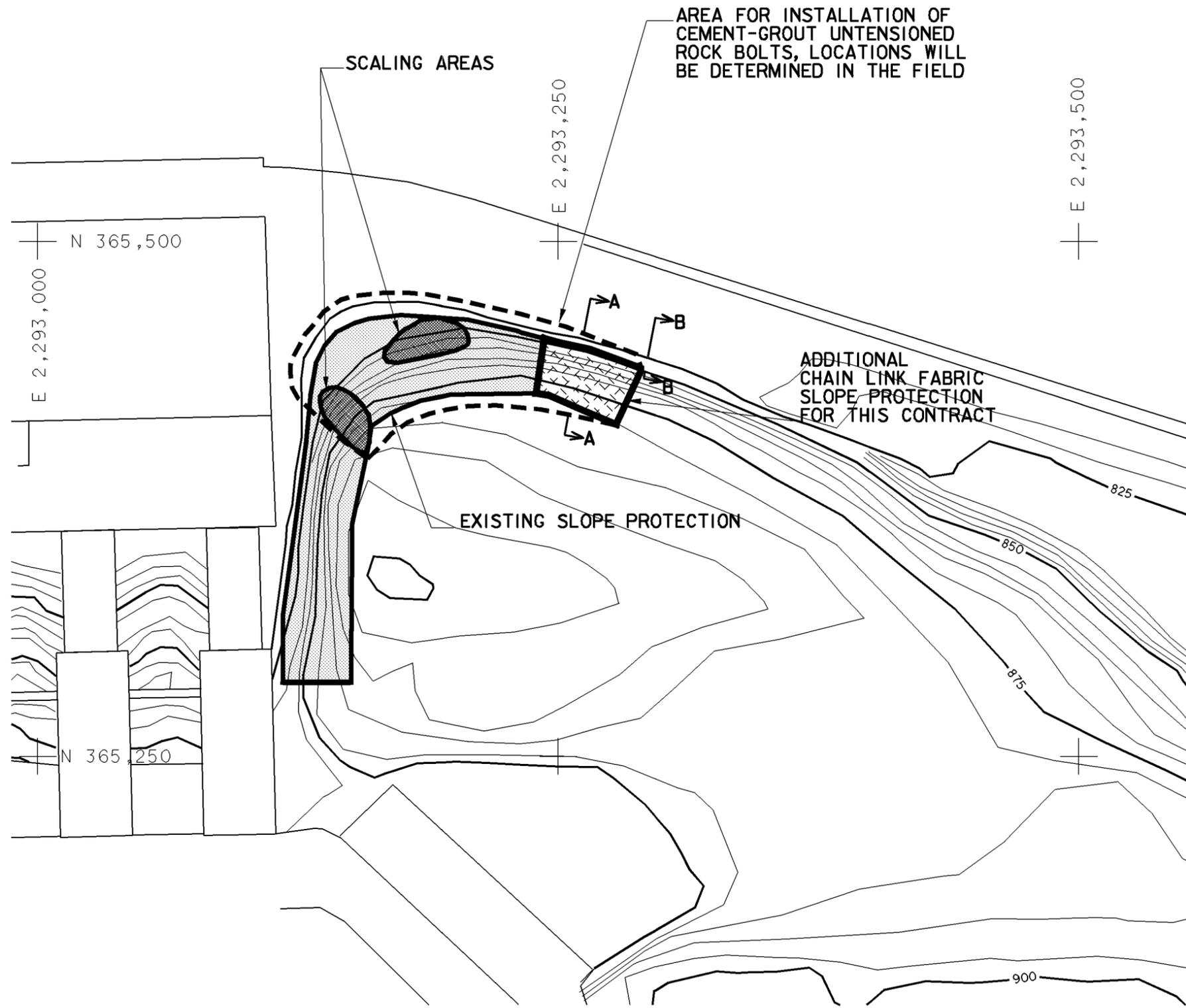
SHEET NO.	PLATE NO.	TITLE
GENERAL		
1 2	G1.1 G1.2	TITLE AND AREA MAPS DRAWING INDEX
GEOTECHNICAL		
3 4 5 6	GT1.1 GT1.2 GT1.3 GT1.4	DETAIL PLAN - SLOPE PROTECTION AREAS TYPICAL ROCK BOLT INSTALLATION SECTIONS A-A AND B-B WITH EXAMPLE DETAILS WIRE MESH SLOPE PROTECTION - EXAMPLE DETAILS FOR STANDARD PLAN "D-7"

U.S. ARMY ENGINEER DISTRICT, SEATTLE CORPS OF ENGINEERS SEATTLE, WASHINGTON				
BUTTONHOOK ROCK STABILIZATION				
INDEX PLATE				
CHIEF JOSEPH DAM				
BRIDGEPORT		WASHINGTON		
SIZE	INVITATION NO.	FILE NO.	DATE	PLATE
D		E-51-5-36	FY03	G1.2
DSGN.	CHK.	SHEET		
UNBRS/ SCHIEFELBIN	GARRITT	2 OF 6		

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DATE AND TIME PLOTTED: 18-JUN-2003 10:03
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U.S. ARMY ENGINEER DISTRICT, SEATTLE
 CORPS OF ENGINEERS
 SEATTLE, WASHINGTON

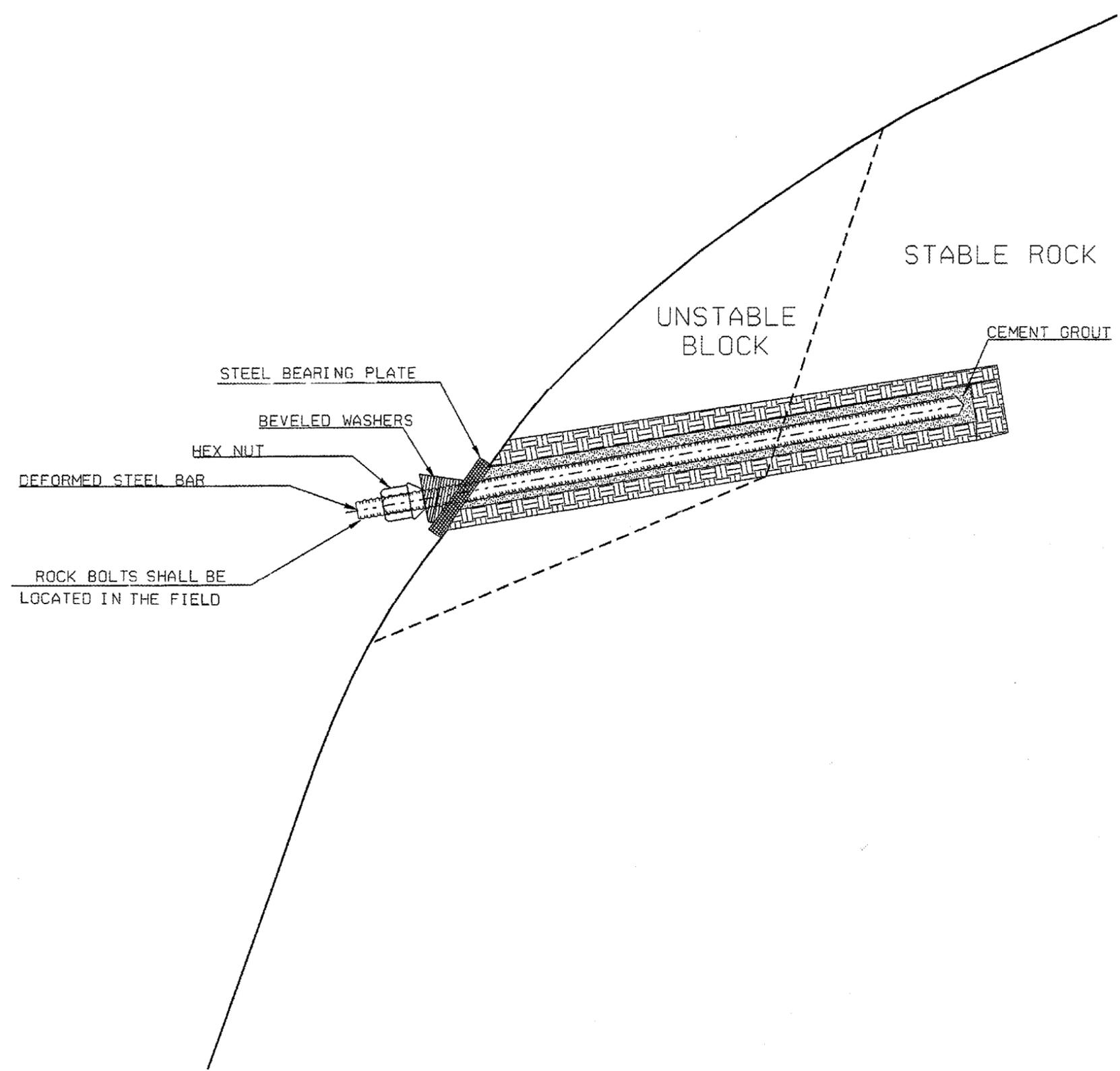
BUTTONHOOK ROCK STABILIZATION

DETAIL PLAN - SLOPE PROTECTION AREAS

CHIEF JOSEPH DAM

BRIDGEPORT		WASHINGTON	
SIZE: D	INVITATION NO.	FILE NO. E-51-5-36	DATE: FY03
DSGN: DIMBIRS/SCHIEFFELBEIN	CHK: GARROTT	SHEET 3 OF 6	PLATE GTI.1

REVISIONS				
SYMBOL	ZONE	DESCRIPTION	DATE	BY



TYPICAL ROCK BOLT INSTALLATION
NOT TO SCALE

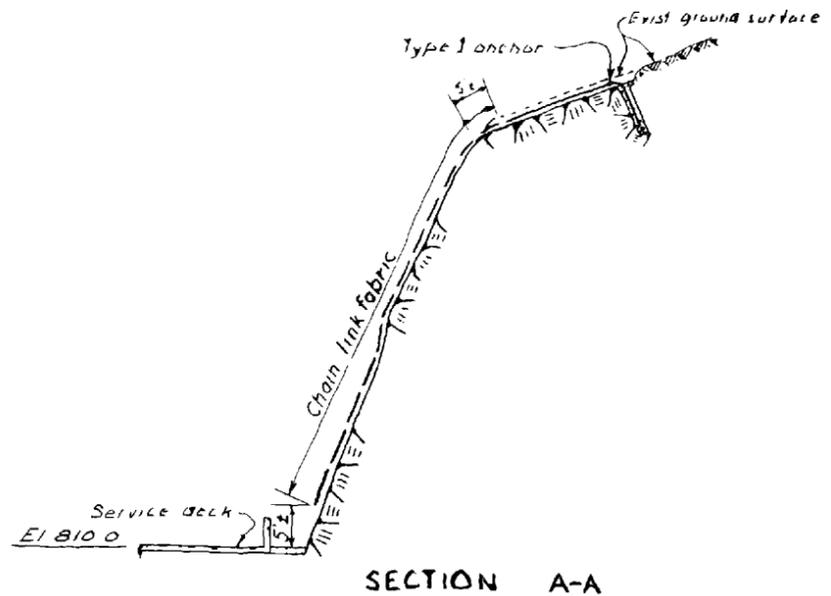
NOTE:
THE "TYPICAL ROCK BOLT INSTALLATION" DETAIL
TAKEN FROM: T.E. BAKER, MATERIALS ENGINEER,
MATERIALS BRANCH, WASHINGTON STATE
TRANSPORTATION COMMISSION, DEPARTMENT OF
TRANSPORTATION.

U.S. ARMY ENGINEER DISTRICT, SEATTLE CORPS OF ENGINEERS SEATTLE, WASHINGTON				
BUTTONHOOK ROCK STABILIZATION				
TYPICAL ROCK BOLT INSTALLATION				
CHIEF JOSEPH DAM				
BRIDGEPORT		WASHINGTON		
SIZE	INVITATION NO.	FILE NO.	DATE	PLATE
D		E-51-5-36	FY03	GT1.2
DSGN.	DIMBIRS/ SCHIFFELBEIN	CHK.	DIMBIRS	SHEET 4 OF 6

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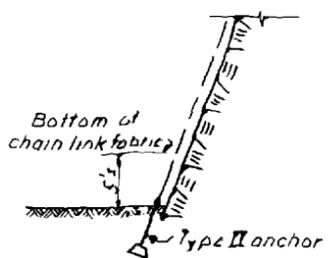


REVISIONS				
SYMBOL	ZONE	DESCRIPTION	DATE	BY



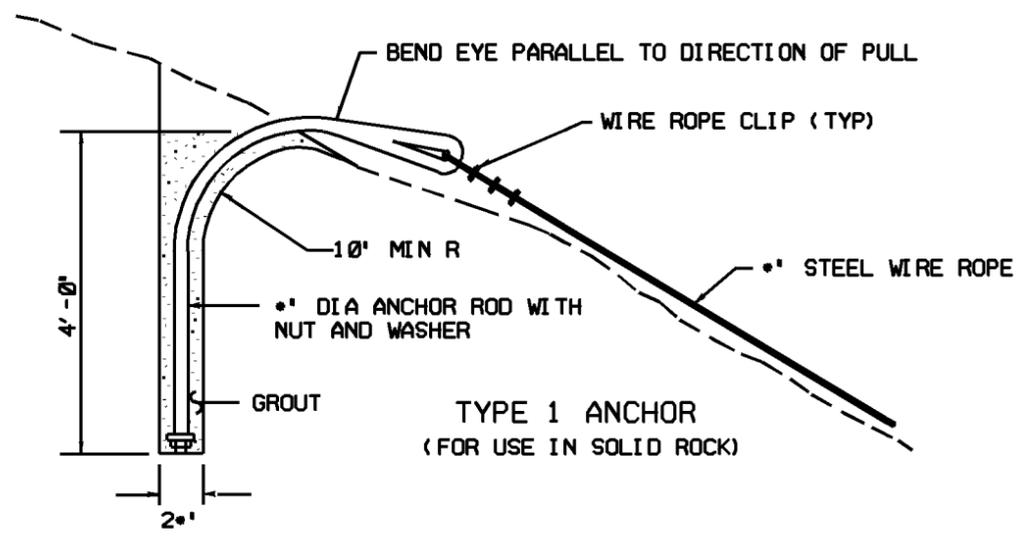
SECTION A-A

EXAMPLE 1.



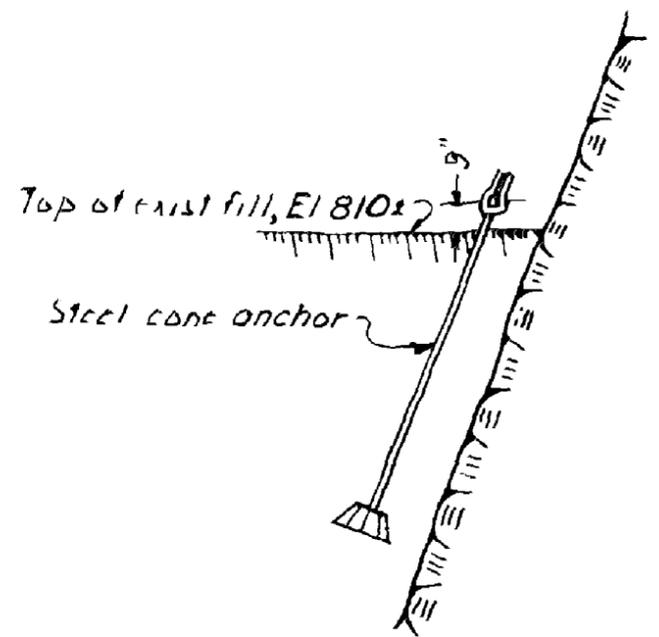
SECTION B-B

NOTE: TWO TWIN BASE WIRE ROPE CLIPS AT 3' CENTERS MAY BE SUBSTITUTED FOR THREE U-BOLTED WIRE ROPE CLIPS SHOWN.



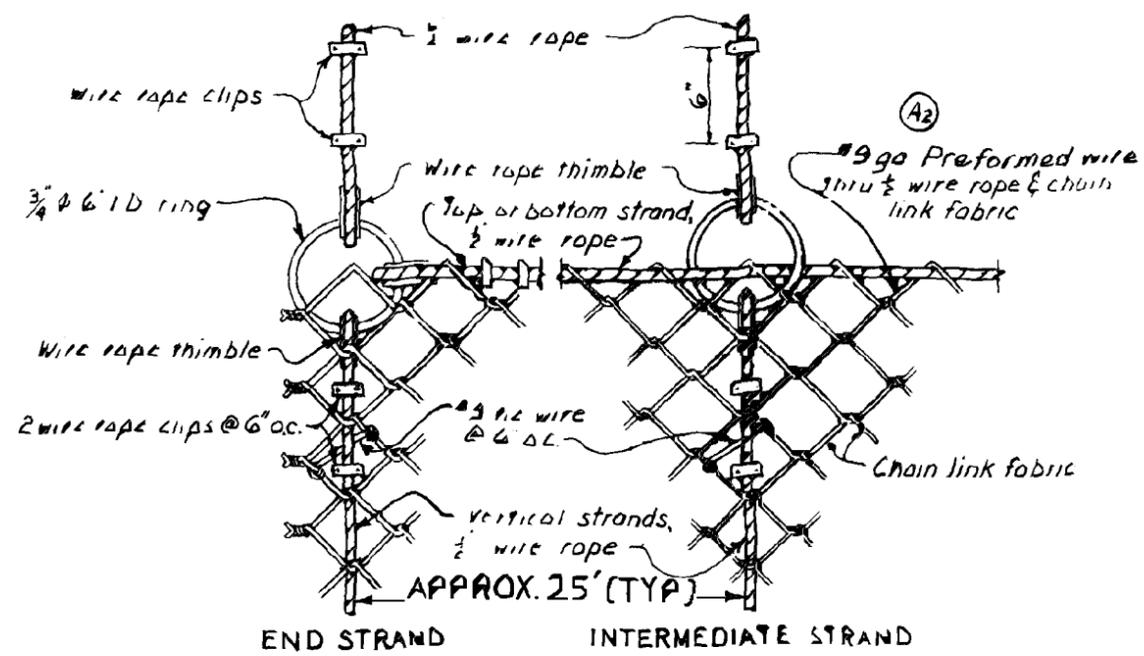
TYPE 1 ANCHOR
(FOR USE IN SOLID ROCK)

EXAMPLE 2.



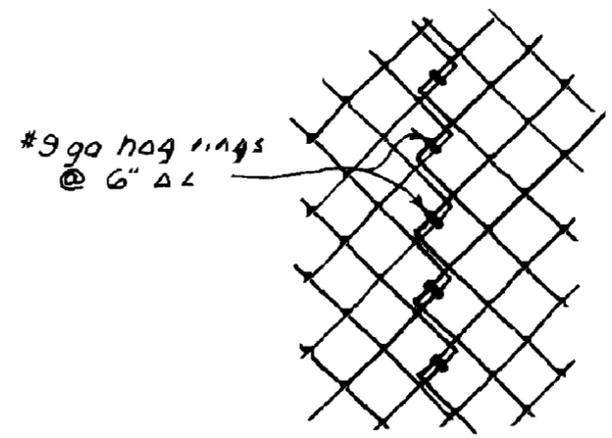
TYPE II ANCHOR

EXAMPLE 3.



ATTACHMENT AT TOP & BOTTOM OF WIRE MESH

EXAMPLE 4.



HORIZONTAL & VERTICAL SPLICE
IN CHAIN LINK FABRIC

DETAILS

Not to scale

EXAMPLE 5.

- NOTE:
- EXAMPLE 2, "TYPE I ANCHOR," WAS TAKEN FROM "WIRE MESH SLOPE PROTECTION" DRAWING, WASHINGTON STATE DEPARTMENT OF TRANSPORTATION, OLYMPIA, WASHINGTON.
 - EXAMPLE 1, "SECTION A-A...SECTION B-B," AS WELL AS EXAMPLE 3, "TYPE II ANCHOR," EXAMPLE 4, "ATTACHMENT AT TOP & BOTTOM OF WIRE MESH," AND EXAMPLE 5, "HORIZONTAL & VERTICAL SPLICE IN CHAIN LINK FABRIC," WERE TAKEN FROM DRAWING NUMBER E-51-5-15, "COLUMBIA RIVER, WASHINGTON, CHIEF JOSEPH DAM - ROCK SLOPE PROTECTION," CORPS OF ENGINEERS, U. S. ARMY, OFFICE OF THE DISTRICT ENGINEER, SEATTLE, WASHINGTON.

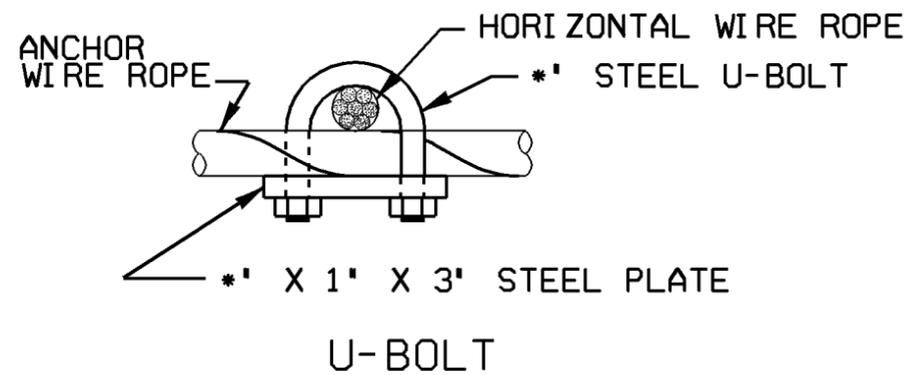
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DATE AND TIME PLOTTED: 18-JUN-2003 09:49
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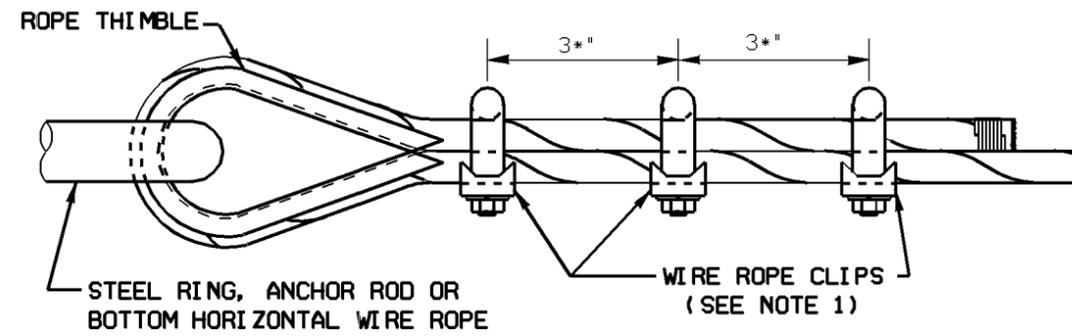
U.S. ARMY ENGINEER DISTRICT, SEATTLE CORPS OF ENGINEERS SEATTLE, WASHINGTON BUTTOCK ROCK STABILIZATION				
SECTIONS A-A AND B-B WITH EXAMPLE DETAILS				
CHIEF JOSEPH DAM				
BRIDGEPORT		WASHINGTON		
SIZE	INVIATION NO.	FILE NO.	DATE	PLATE
D		E-51-5-36	FY03	6T1.3
DSGN.	DIMBIS/SCHIFFELBERG	CHK.	CARROLL	SHEET 5 OF 6

REVISIONS			
SYMBOL	DESCRIPTION	DATE	BY



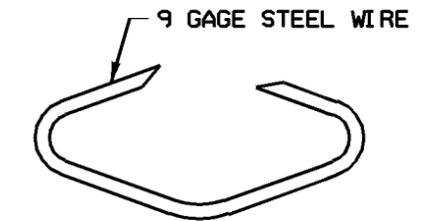
USE TO CLAMP INTERMEDIATE HORIZONTAL WIRE ROPES TO VERTICAL WIRE ROPES

EXAMPLE 1.



WIRE ROPE CONNECTION

EXAMPLE 2.



USE FOR LAP CONNECTIONS OF NETTING

HOG RING

EXAMPLE 3.

NOTES:

1. THE CONTRACTOR MAY PROVIDE TWO TWIN BASE WIRE ROPE CLIPS AT 6.0\"/>



U.S. ARMY ENGINEER DISTRICT, SEATTLE CORPS OF ENGINEERS SEATTLE, WASHINGTON				
BUTTONHOOK ROCK STABILIZATION				
WIRE MESH SLOPE PROTECTION				
EXAMPLE DETAILS FOR STANDARD PLAN "D-7"				
CHIEF JOSEPH DAM				
BRIDGEPORT		WASHINGTON		
SIZE	INVITATION NO.	FILE NO.	DATE	PLATE
D		E-51-5-30	FY03	GT1.4
DSGN.	CHK.	SHEET	6 OF 6	
CHIBERS/SCHIEFELBEIN	CARROTT			