

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NO. 0001		3. EFFECTIVE DATE 27-May-2004	4. REQUISITION/PURCHASE REQ. NO. W68MD9-3314-5415		5. PROJECT NO.(If applicable)	
6. ISSUED BY USA ENGINEER DISTRICT, SEATTLE ATTN: CENWS-CT 4735 EAST MARGINAL WAY SOUTH SEATTLE WA 98134-2329		CODE W912DW	7. ADMINISTERED BY (If other than item 6) See Item 6		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X	9A. AMENDMENT OF SOLICITATION NO. W912DW-04-B-0007	
				X	9B. DATED (SEE ITEM 11) 07-May-2004	
					10A. MOD. OF CONTRACT/ORDER NO.	
					10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE		11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS		
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.						
12. ACCOUNTING AND APPROPRIATION DATA (If required)						
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.						
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).						
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
D. OTHER (Specify type of modification and authority)						
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.						
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) W912DW-04-B-0007, SNOQUALMIE RIVER PROJECT BRIDGE & TRESTLE DEMOLITION, SNOQUALMIE FALLS, WA This Amendment One (0001) provides for the following: 1. Revision to Drawing Sheet 3 (Plate C-2) by notation in Section 00800, Special Clauses. 2. Revision to Section 01354, Environmental Protection (including Water Quality Protection Plan). Removed requirement for TCLP sample from paragraph 1.4.5. 3. Revision to section 02220, Demolition. Added Attachment A. Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.						
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
			TEL:		EMAIL:	
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
_____ (Signature of person authorized to sign)			BY _____ (Signature of Contracting Officer)		27-May-2004	

4. Modification No. 7 dated 14 May 2004, to Davis Bacon Wage Determination No. WA030001, is hereby incorporated into the solicitation.

5. The attached revised sections are to be replaced in their entirety. Specification changes are generally identified, for convenience by strikeout for deletions, and underlining of text for additions. All portions of the revised or new pages shall apply whether or not changes have been indicated.

6. The proposal due date and time remain unchanged as follows:

8 June 2004 at 2:00 p.m., LOCAL TIME

7. NOTICE TO OFFERORS: Offerors must acknowledge receipt of this amendment by number and date on offer or by telegram. Please mark on outside of the envelope in which the offer is enclosed to show amendment received.

Encl:

Section 00800 (revised)

Section 01354 (revised)

Section 02220 (revised)

Davis Bacon Wage Determination No. WA030001, Mod 7 dated 14 May 2004

TABLE OF CONTENTS

SPECIAL CLAUSES

<u>PARAGRAPH NO.</u>	<u>PARAGRAPH TITLE</u>
SC-1	COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK
SC-1.1	<u>DELETED</u> - OPTION FOR INCREASED QUANTITY
SC-2	LIQUIDATED DAMAGES - CONSTRUCTION
SC-3	TIME EXTENSIONS
SC-4	<u>DELETED</u> - VARIATIONS IN ESTIMATED QUANTITIES - SUBDIVIDED ITEMS
SC-5	INSURANCE
SC-6	CONTINUING CONTRACTS
SC-7	PERFORMANCE OF WORK BY THE CONTRACTOR
SC-8	PHYSICAL DATA
SC-9	<u>DELETED</u> - QUANTITY SURVEYS
SC-10	LAYOUT OF WORK
SC-11	<u>DELETED</u> - PAYMENT FOR MOBILIZATION AND DEMOBILIZATION
SC-12	<u>DELETED</u> - AIRFIELD SAFETY PRECAUTIONS
SC-13	<u>DELETED</u> - IDENTIFICATION OF GOVERNMENT-FURNISHED PROPERTY
SC-14	EQUIPMENT OWNERSHIP AND OPERATING EXPENSE SCHEDULE
SC-15	PAYMENT FOR MATERIALS DELIVERED OFF-SITE
SC-16	<u>DELETED</u> - ORDER OF PRECEDENCE
SC-17	<u>DELETED</u> - LIMITATION OF PAYMENT FOR DESIGN
SC-18	CONTRACT DRAWINGS, MAPS AND SPECIFICATIONS
SC-19.	<u>DELETED</u> - TECHNICAL PROPOSAL - COPIES TO BE FURNISHED UPON AWARD
SC-20.	<u>DELETED</u> - COMPLIANCE CERTIFICATION
SC-21.	<u>DELETED</u> - VALUE ENGINEERING
SC-22.	<u>DELETED</u> - EPA ENERGY STAR
SC-23	<u>DELETED</u> - RECOVERED MATERIALS

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SECTION 00800
SPECIAL CLAUSES

SC-1. COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK (APR 1984)
(FAR 52.211-10).

The Contractor shall be required to (a) commence work under this Contract within 10 calendar days after the date the Contractor receives the notice to proceed, (b) prosecute the work diligently, and (c) complete the entire work ready for use not later than 180 calendar days after date of receipt by Contractor of the notice to proceed. The time stated for completion shall include final cleanup of the premises. See Section 01005 SITE SPECIFIC SUPPLEMENTARY REQUIREMENTS, paragraph 1.5 for construction sequence and scheduling requirements.

SC-1.1 DELETED

SC-2. LIQUIDATED DAMAGES - CONSTRUCTION (SEP 2000) (FAR 52.211-12)

(a) If the Contractor fails to complete the work within the time specified in the Contract, or any extension, the Contractor shall pay to the Government as liquidated damages, the sum of \$730.00 for each day of delay.

(b) If the Government terminates the Contractor's right to proceed, the resulting damage will consist of liquidated damages until such reasonable time as may be required for final completion of the work together with any increased costs occasioned the Government in completing the work.

(c) If the Government does not terminate the Contractor's right to proceed, the resulting damage will consist of liquidated damages until the work is completed or accepted.

SC-3. TIME EXTENSIONS (APR 1984) (FAR 52.211-13) Notwithstanding any other provisions of this Contract, it is mutually understood that the time extensions for changes in the work will depend upon the extent, if any, by which the changes cause delay in the completion of the various elements of construction. The change order granting the time extension may provide that the Contract completion date will be extended only for those specific elements so delayed and that the remaining Contract completion dates for all other portions of the work will not be altered and may further provide for an equitable readjustment of liquidated damages under the new completion schedule.

SC-4. DELETED

SC-5. INSURANCE (JAN 1997) (FAR 52.228-5)

(a) The Contractor shall, at its own expense, provide and maintain during the entire performance period of this Contract at least the kinds and minimum amounts of insurance required in the Insurance Liability Schedule or elsewhere in the Contract.

(b) Before commencing work under this Contract, the Contractor shall certify to the Contracting Officer in writing that the required insurance has been obtained. The policies

evidencing required insurance shall contain an endorsement to the effect that any cancellation or any material change adversely affecting the Government's interest shall not be effective:

(1) for such period as the laws of the State in which this Contract is to be performed prescribe; or

(2) until 30 days after the insurer or the Contractor gives written notice to the Contracting Officer, whichever period is longer.

(c) The Contractor shall insert the substance of this clause, including this paragraph (c), in subcontracts under this Contract that require work on a Government installation and shall require subcontractors to provide and maintain the insurance required in the Schedule or elsewhere in the Contract. The Contractor shall maintain a copy of all subcontractors' proofs of required insurance, and shall make copies available to the Contracting Officer upon request.

SC-5.1 REQUIRED INSURANCE IN ACCORDANCE WITH FAR 28.307-2:

(1) Workers' compensation and employer's liability. Contractors are required to comply with applicable Federal and State workers' compensation and occupational disease statutes. If occupational diseases are not compensable under those statutes, they shall be covered under the employer's liability section of the insurance policy, except when Contract operations are so commingled with a Contractor's commercial operation that it would not be practical to require this coverage. Employer's liability coverage of at least \$100,000 shall be required, except in states with exclusive or monopolistic funds that do not permit workers' compensation to be written by private carriers.

(2) General Liability.

(a) The Contracting Officer shall require bodily injury liability insurance coverage written on the comprehensive form of policy of at least \$500,000 per occurrence.

(b) Property damage liability insurance shall be required only in special circumstances as determined by the agency.

(3) Automobile liability. The Contracting Officer shall require automobile liability insurance written on the comprehensive form of policy. The policy shall provide for bodily injury and property damage liability covering the operation of all automobiles used in connection with performing the Contract. Policies covering automobiles operated in the United States shall provide coverage of at least \$200,000 per person and \$500,000 per occurrence for bodily injury and \$20,000 per occurrence for property damage. The amount of liability coverage on other policies shall be commensurate with any legal requirements of the locality and sufficient to meet normal and customary claims.

(4) Environmental Liability If this contract includes the transport, treatment, storage, or disposal of hazardous material waste the following coverage is required.

The Contractor shall ensure the transporter and disposal facility have liability insurance in effect for claims arising out of the death or bodily injury and property damage from hazardous material/waste transport, treatment, storage and disposal, including vehicle liability and legal defense costs in the amount of \$1,000,000.00 as evidenced by a certificate of insurance for

General, Automobile, and Environmental Liability Coverage. Proof of this insurance shall be provided to the Contracting Officer.

SC- 5.2 EXTRA INSURANCE COVERAGE

5.2.1 Contractor shall protect, defend, indemnify and hold harmless, King County, the City of Snoqualmie, the State of Washington, the Snoqualmie Tribe, and PSE, their appointed and elected officials, officers, directors, employees, and agents (collectively "Indemnified Parties") from and against any and all actions, claims, costs, damages, demands, expenses, fines, judgments, liens, liabilities and penalties of any kind whatsoever arising from the tortious or wrongful acts, errors, or omissions of the Contractor or any of its subcontractors.

The foregoing indemnity is specifically and expressly intended to constitute a waiver of indemnifying party's immunity under Washington's Industrial Insurance Act, RCW Title 51, as respects the indemnified party(s) only, and only to the extent necessary to provide the indemnified party with a full and complete indemnity of claims made by the indemnitor's employees. The parties acknowledge that these provisions were specifically negotiated and agreed by them.

Intended Third Party Beneficiaries. It is the express intent and agreement of the Contracting Parties of this Contract that the "Indemnified Parties" identified above, other than the Government, SHALL BE THIRD PARTY BENEFICIARIES OF SUCH INDEMNIFICATION PROVISIONS WITH FULL RIGHTS TO ENFORCE SUCH INDEMNIFICATION PROVISIONS.

5.2.2 Contractor shall procure and maintain during the entire period of its performance under this Contract the following insurance policies:

1. By requiring this insurance coverage, the Government shall not be deemed or construed to have assessed the risks that may be applicable to the Contractor under this Contract. The Contractor shall assess its own risks and, if it deems appropriate and/or prudent, maintain greater limits and/or broader coverage.

2. Nothing contained within these insurance requirements shall be deemed to limit the scope, application and/or limits of the coverage afforded, which coverage will apply to each insured to the full extent provided by the terms and conditions of the policy(s). Nothing contained within this provision shall affect and/or alter the application of any other provision contained within this Agreement. The limits or scope of coverages shall not limit or qualify the Contractor's liability or obligations to the Indemnified Parties.

3. The Contractor shall furnish to the Contracting Officer a certificate or statement of the insurance required under this Section prior to the commencement of work under this Contract. The policies evidencing required insurance shall contain an endorsement to the effect that cancellation or any material change in the policies adversely affecting the interests of the Indemnified Parties in such insurance shall not be effective for such a period as may be prescribed by the laws of the State in which this contract is to be performed and in no event less than 45 days after written notice thereof to the Contracting Officer and the Indemnified Parties. The Contracting Officer and the Indemnified Parties shall have the right, upon written notice, to receive certified copies of the policies required hereunder.

4. The Contractor will be required to submit to the Contracting Officer a certification from the Contractor's insurance carrier(s) that the amount inserted by the Contractor in the item entitled "Additional Cost for Extra Insurance" of the Price Schedule represents only the additional premium paid by line of insurance coverage by the Contractor as a direct result of additional insurance costs to meet the specific insurance requirements of this Section and excludes those premium costs which would have otherwise been incurred by the Contractor if the extra insurance requirements had not been exercised.

5. Payment items for insurance premiums procured by the Contractor under Paragraph 4 of this Section shall be made at the contract lump sum price listed in the Bidding Schedule as "Additional Cost for Extra Insurance."

The Contractor shall procure and maintain for the duration of this Contract, insurance against claims for injuries to persons or damages to property, including products-completed operations which may arise from, or in connection with, the performance of work hereunder by the Contractor, its agents, representative, employees, and/or sub-contractors. The cost of such insurance shall be paid by the Contractor or sub-contractor. The Contractor may furnish separate certificates of insurance and policy endorsements from each sub-contractor as evidence of compliance with the insurance requirements of this Contract.

6. For All Coverages:

Each insurance policy shall be written on an "occurrence" form; excepting that insurance for professional liability, errors and omissions when required, may be acceptable on a "claims made" form.

If coverage is approved and purchased on a "claims made" basis, the Contractor warrants continuation of coverage, either through policy renewals or the purchase of an extended discovery period, if such extended coverage is available, for not less than three years from the date of completion of the work which is the subject of this Contract.

(A) Minimum Scope Of Insurance

Coverage shall be at least as broad as:

(1) General Liability: Insurance Services Office form number (CG 00 01 Ed. 11-88) covering COMMERCIAL GENERAL LIABILITY including products-completed operations. The policy shall not exclude coverage for damage from sudden and accidental explosion, collapse and/or underground damage (XCU).

(2) Professional Liability: Professional Liability, Errors and Omissions coverage. In the event that services delivered pursuant to this Contract either directly or indirectly involve or require professional services, Professional Liability, Errors and Omissions coverage shall be provided. "Professional Services", for the purpose of this Contract section shall mean any services provided by a licensed professional.

(3) Automobile Liability: Insurance Services Office form number (CA 00 01 Ed. 12-90) covering BUSINESS AUTO COVERAGE, symbol 1 "any auto"; or the combination of symbols 2, 8, and 9. Coverage shall not exclude incidents relating to the transport of blasting materials. If "pollutants" as excluded under the

Standard Commercial Auto policy are to be transported, endorsements CA 9948 and MCS-90 are required.

(4) Workers' Compensation: Workers' Compensation coverage, as required by the Industrial Insurance Act of the State of Washington.

(5) Employers Liability or "Stop-Gap": The protection provided by the Workers Compensation policy Part 2 (Employers Liability) or, in states with monopolistic state funds, the protection provided by the "Stop Gap" endorsement to the General Liability policy.

(6) Contractor's Pollution Liability: coverage to cover sudden and non-sudden bodily injury and/or property damage to include the physical injury or destruction of tangible property, loss of use, clean up costs and the loss of use of tangible property that has not been physically injured or destroyed.

(B) Minimum Limits of Insurance

The Contractor shall maintain limits no less than, for:

General Liability: \$ 10,000,000 combined single limit per occurrence for bodily injury, personal injury and property damage, and for those policies with aggregate limits, a \$10,000,000 aggregate limit.

Professional Liability, Errors and Omissions: \$ 1,000,000

Automobile Liability: \$ 5,000,000 combined single limit per accident for bodily injury and property damage.

Workers' Compensation: Statutory requirements of the State of residency.

Employers' Liability or "Stop Gap" coverage: \$ 1,000,000

Contractor's Pollution Coverage: \$ 1,000,000 per occurrence.

(C) Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to, and approved by, the Government. The deductible and/or self-insured retention of the policies shall not limit or apply to the Contractor's liability to the Indemnified Parties and shall be the sole responsibility of the Contractor.

(D) Other Insurance Provisions

The insurance coverage(s) required in this Contract are to contain, or be endorsed to contain the following provisions:

(1) Liability Policy(s) (Except Workers Compensation and Professional):

- a. The Indemnified Parties are to be covered as additional insureds as respects liability arising out of activities performed by or on behalf of the Contractor in connection with this Contract.
- b. The Contractor's insurance coverage shall be primary insurance as respects Indemnified Parties. Any insurance and/or self-insurance maintained by The Indemnified Parties shall not contribute with the Contractor's insurance or benefit the Contractor in any way.
- c. The Contractor's insurance coverage shall apply separately to each insured against whom a claim is made and/or lawsuit is brought, except with respect to the limits of the insurer's liability.
- d. The General Liability policy shall include a Per Project Aggregate.

(2) All Policies:

- a. Coverage shall not be suspended, voided, canceled, reduced in coverage or in limits, except by the reduction of the applicable aggregate limit by claims paid, until after forty-five (45) calendar days prior written notice has been given to the Government.

(E) Acceptability of Insurers

Unless otherwise accepted by the Government:

Insurance coverage is to be placed with insurers with a Bests' rating of no less than A: VIII, or, if not rated with Bests', with minimum surpluses the equivalent of Bests' surplus size VIII. Professional Liability, Errors and Omissions insurance coverage may be placed with insurers with a Bests' rating of B+:VII. Any exception must be approved by the Government. If at any time of the foregoing policies fail to meet the above minimum requirements, the Contractor shall, upon notice to that effect from the Government, promptly obtain a new policy, and shall submit the same to the Government, with the appropriate certificates and endorsements, for approval.

(F) Verification of Coverage

The Contractor shall furnish the Contracting Officer and The Indemnified Parties, upon written notice, with certificates of insurance and endorsements required by this Contract. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates and endorsements for each insurance policy are to be on forms approved by the Government and are to be received and approved by the Government prior to the commencement of activities associated with the Contract. The Contracting Officer and the Indemnified Parties reserve the right to require complete, certified copies of all required insurance policies at any time, upon written notice.

If Professional Liability coverage is required under this contract, the Certificate of Insurance provided by the Contractor shall specifically state that the activities required under contract for the project are included under this policy.

(G) Sub-contractors

The Contractor shall include all sub-contractors as insureds under its policies, or shall furnish separate certificates of insurance and policy endorsements from each sub-contractor. Insurance coverages provided by sub-contractors as evidence of compliance with the insurance requirements of this Contract shall be subject to all of the requirements stated herein.

SC-6. CONTINUING CONTRACTS (ALTERNATE) (EFARS 52.232-5002) (MAR 1995):

(a) Funds are not available at the inception of this contract to cover the entire contract price. The sum of \$250,000 has been reserved for this contract and is available for payments to the Contractor during the current fiscal year. It is expected that Congress will make appropriations for future fiscal years from which additional funds, together with funds provided by one or more non-federal project sponsors will be reserved for this contract. The liability of the United States for payments beyond the funds reserved for this contract is contingent on the reservation of additional funds.

(b) Failure to make payments in excess of the amount currently reserved, or that may be reserved from time to time, shall not be considered a breach of this contract, and shall not entitle the Contractor to a price adjustment under the terms of this contract, except as specifically provided in paragraphs (e) and (h) below.

(c) The Government may at any time reserve additional funds for payments under the contract if there are funds available for such purpose. The Contracting Officer will promptly notify the Contractor of any additional funds reserved for the contract by issuing an administrative modification to the contract.

(d) If earnings will be such that funds reserved for the contract will be exhausted before the end of any fiscal year, the contractor shall give written notice to the Contracting Officer of the estimated date of exhaustion and the amount of additional funds which will be needed to meet payments due or to become due under the contract during that fiscal year. This notice shall be given not less than 45 nor more than 60 days prior to the estimated date of exhaustion.

(e) No payments will be made after exhaustion of funds except to the extent that additional funds are reserved for the contract. If and when sufficient additional funds are reserved, the Contractor shall be entitled to simple interest on any payment that the Contracting Officer determines was actually earned under the terms of this contract and would have been made except for exhaustion of funds. Interest shall be computed from the time such payment would otherwise have been made until actually or constructively made, and shall be at the rate established by the Secretary of the Treasury pursuant to Public Law 92-41, 85 Stat 97, as in effect on the first day of the delay in such payment.

(f) Any suspension, delay, or interruption of work arising from exhaustion or anticipated exhaustion of funds shall not constitute a breach of this contract and shall not entitle the contractor to any price adjustment under a "Suspension of Work" or similar clause or in any other manner under this contract.

(g) An equitable adjustment in performance time shall be made for any increase in the time required for performance of any part of the work arising from exhaustion of funds or the reasonable anticipation of exhaustion of funds.

(h) If, upon the expiration of sixty (60) days after the beginning of the fiscal year following an exhaustion of funds, the Government has failed to reserve sufficient additional funds to cover payments otherwise due, the contractor, by written notice delivered to the Contracting Officer at any time before such additional funds are reserved, may elect to treat his right to proceed with the work as having been terminated. Such a termination shall be at no cost to the Government, except that, to the extent that additional funds to make payment therefore are allocated to this contract, it may be treated as a termination for the convenience of the Government.

(i) If at any time, it becomes apparent that the funds reserved for any fiscal year are in excess of the funds required to meet all payments due or to become due the contractor because of work performed and to be performed under the contract during the fiscal year, the Government reserves the right, after notice to the contractor, to reduce said reservation by the amount of such excess.

(j) The term "Reservation" means monies that have been set aside and made available for payment under this Contract.

SC-7. PERFORMANCE OF WORK BY THE CONTRACTOR (APR 1984) (FAR 52.236-1): The Contractor shall perform on the site, and with its own organization, work equivalent to at least twenty percent (20%) of the total amount of work to be performed under the Contract. The percentage may be reduced by a supplemental agreement to this Contract if, during performing the work, the Contractor requests a reduction and the Contracting Officer determines that the reduction would be to the advantage of the Government.

SC-8. PHYSICAL DATA (APR 1984) (FAR 52.236-4): Data and information furnished or referred to below is for the Contractor's information. The Government will not be responsible for any interpretation of or conclusion drawn from the data or information by the Contractor.

(a) Physical Conditions: The indications of physical conditions on the drawings and in the specifications are the result of site investigations by test holes shown on the drawings.

(b) Weather Conditions: Each bidder shall be satisfied before submitting his bid as to the hazards likely to arise from weather conditions. Complete weather records and reports may be obtained from any National Weather Service Office.

(c) Transportation Facilities: Each bidder, before submitting his bid, shall make an investigation of the conditions of existing public and private roads and of clearances, restrictions, bridge load limits, and other limitations affecting transportation and ingress and egress at the jobsite. The unavailability of transportation facilities or limitations thereon shall not become a basis for claims for damages or extension of time for completion of the work.

(d) Right-of-Way: The right-of-way for the work covered by these specifications will be furnished by the Government. The Contractor may use such portions of the land within the right-of-way not otherwise occupied as may be designated by the Contracting Officer. The Contractor shall, without expense to the Government, and at any time during the progress of the work when space is needed within the right-of-way for any other purposes, promptly vacate

and clean up any part of the grounds that have been allotted to, or have been in use by, him when directed to do so by the Contracting Officer. The Contractor shall keep the buildings and grounds in use by him at the site of the work in an orderly and sanitary condition. Should the Contractor require additional working space or lands for material yards, job offices, or other purposes, he shall obtain such additional lands or easements at his expense.

(e) Channel Depths and Average Daily River Flow: Channel depths and average daily river flow for the Snoqualmie River at Snoqualmie, Washington are shown in Appendix A, attached at the end of this Section.

SC-9. DELETED

SC-10. LAYOUT OF WORK (APR 1984) (FAR 52.236-17): The Contractor shall lay out its work from Government-established base lines and bench marks indicated on the drawings, and shall be responsible for all measurements in connection with the layout. The Contractor shall furnish, at its own expense, all stakes, templates, platforms, equipment, tools, materials, and labor required to lay out any part of the work. The Contractor shall be responsible for executing the work to the lines and grades that may be established or indicated by the Contracting Officer. The Contractor shall also be responsible for maintaining and preserving all stakes and other marks established by the Contracting Officer until authorized to remove them. If such marks are destroyed by the Contractor or through its negligence before their removal is authorized, the Contracting Officer may replace them and deduct the expense of the replacement from any amounts due, or to become due, to the Contractor.

SC-11 THROUGH SC-13. DELETED

SC-14. EQUIPMENT OWNERSHIP AND OPERATING EXPENSE SCHEDULE (MAY 1999)-
(EFARS 52.231-5000)

(a) This clause does not apply to terminations. See 52.249-5000, Basis for Settlement of Proposals and FAR Part 49.

(b) Allowable cost for construction and marine plant and equipment in sound workable condition owned or controlled and furnished by a contractor or subcontractor at any tier shall be based on actual cost data for each piece of equipment or groups of similar serial and series for which the Government can determine both ownership and operating costs from the contractor's accounting records. When both ownership and operating costs cannot be determined for any piece of equipment or groups of similar serial or series equipment from the contractor's accounting records, costs for that equipment shall be based upon the applicable provisions of EP 1110-1-8, Construction Equipment Ownership and Operating Expense Schedule, Region VIII. Working conditions shall be considered to be average for determining equipment rates using the schedule unless specified otherwise by the contracting officer. For equipment not included in the schedule, rates for comparable pieces of equipment may be used or a rate may be developed using the formula provided in the schedule. For forward pricing, the schedule in effect at the time of negotiations shall apply. For retroactive pricing, the schedule in effect at the time the work was performed shall apply.

(c) Equipment rental costs are allowable, subject to the provisions of FAR 31.105(d)(ii) and FAR 31.205-36. Rates for equipment rented from an organization under common control, lease-purchase arrangements, and sale-leaseback arrangements, will be determined using the

schedule, except that actual rates will be used for equipment leased from an organization under common control that has an established practice of leasing the same or similar equipment to unaffiliated lessees.

(d) When actual equipment costs are proposed and the total amount of the pricing action exceeds the small purchase threshold, the contracting officer shall request the contractor to submit either certified cost or pricing data, or partial/limited data, as appropriate. The data shall be submitted on Standard Form 1411, Contract Pricing Proposal Cover Sheet.

(e) Copies of EP1110-1-8 "Construction Equipment Ownership and Operating Expense Schedule" Volumes 1 through 12 are available in Portable Document Format (PDF) only and can be viewed or downloaded at <http://www.usace.army.mil/inet/usace-docs/eng-pamphlets/cecw.htm>. Copies of the CD-ROM (Volumes 1-12) are also available through either the Superintendent of Documents or Government bookstores. For additional information telephone 202-512-2250, or access on the Internet at http://www.access.gpo.gov/su_docs.

SC-15. PAYMENT FOR MATERIALS DELIVERED OFF-SITE (MAY 1999)-(EFARS 52.232-5000)

(a) Pursuant to FAR clause 52.232-5, Payments Under Fixed Priced Construction Contracts, materials delivered to the contractor at locations other than the site of the work may be taken into consideration in making payments if included in payment estimates and if all the conditions of the General Provisions are fulfilled. Payment for items delivered to locations other than the work site will be limited to: (1) materials required by the technical provisions; or (2) materials that have been fabricated to the point where they are identifiable to an item of work required under this contract.

(b) Such payment will be made only after receipt of paid or receipted invoices or invoices with canceled check showing title to the items in the prime contractor and including the value of material and labor incorporated into the item. In addition to petroleum products, payment for materials delivered off-site is limited to the following items: Any other construction material stored offsite may be considered in determining the amount of a progress payment.

SC-16 AND SC-17 DELETED.

SC-18. CONTRACT DRAWINGS, MAPS, AND SPECIFICATIONS (OCT 1996) (52.0236-4001 EBS)

(a) The Government--

(1) Will provide the Contractor, without charge, one set of contract drawings and one set of specifications in electronic format on a compact disk. The Government will not give the Contractor any hard copy paper drawings or specifications for any contract resulting from this solicitation.

(b) The Contractor shall--

(1) check all drawings furnished immediately upon receipt;

(2) Compare all drawings and verify the figures before laying out the work;

(3) Promptly notify the Contracting Officer of any discrepancies; and

(4) Be responsible for any errors which might have been avoided by complying with this paragraph (b).

(c) Large scale drawings shall, in general, govern small scale drawings. Figures marked on drawings shall, in general, be followed in preference to scale measurements.

(d) Omissions from the drawings or specifications or the misdescription of details of work which are manifestly necessary to carry out the intent of the drawings and specifications, or which are customarily performed, shall not relieve the Contractor from performing such omitted or misdescribed details of the work, but shall be performed as if fully and correctly set forth and described in the drawings and specifications.

(e) The work shall conform to the specifications and the contract drawings identified in the index of drawings attached at the end of the Special Clauses.

SC-19 THROUGH SC-23 DELETED.

INDEX OF DRAWINGS

Snoqualmie River Project
 Bridge and Trestle Demolition
 Snoqualmie Falls, Wa.

File No. E-2-6-565

SHEET NUMBER	PLATE NUMBER	TITLE	REVISION NUMBER	DATE
1	G-1	Title, Vicinity Map and Drawing Index		04APR09
2	C-1	Overall Site Plan		04APR09
3	C-2	Railroad Bridge and Trestle Demolition		04APR09
4	C-3	Bridge and Trestle Photographs		04APR09
5	C-4	Details		04APR09

DRAWING REVISIONS BY NOTATION

Sheet 3, Pl. C-2: Delete Note 9.

STANDARD DETAILS BOUND IN THE SPECIFICATIONS

DRAWING NUMBER	SHEET NUMBER	TITLE	DATE
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SECTION 01501 - CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS

1, 2, & 3	Civil Works Project Identification Sign	REV 07APR88
1	Hard Hat Sign	10SEP90

Attachment A follows.

Appendix A

Channel Depths And Average Dailey Flows

Channel Depths

Snoqualmie River Flood Damage Reduction Project HEC-RAS version 3.1.1 computed output, Vicinity of Railroad Bridge to be Removed

Cross Section 170

Name	Discharge (cfs)	Min. Channel elevation	Water Surface Elevation	Average Channel Velocity (ft.per sec.)
WS PF 1	500	386	398.11	0.32
WS PF 2	1,000	386	398.54	0.61
WS PF 3	1,500	386	399.18	0.84
WS PF 4	2,000	386	399.72	1.06
WS PF 5	2,500	386	400.07	1.27
WS PF 6	3,000	386	400.51	1.45
WS PF 7	4,000	386	401.21	1.8
WS PF 8	5,000	386	401.82	2.12
WS PF 9	6,000	386	402.28	2.44
WS PF 10	8,000	386	403.43	2.93
WS PF 11	10,000	386	404.25	3.43

Cross Section 180

Name	Discharge (cfs)	Min. Channel elevation (ft. NGVD)	Water Surface Elevation	Average Channel Velocity (ft.per sec.)
WS PF 1	500	391.1	398.11	0.4
WS PF 2	1,000	391.1	398.55	0.73
WS PF 3	1,500	391.1	399.19	0.96
WS PF 4	2,000	391.1	399.74	1.16
WS PF 5	2,500	391.1	400.09	1.37
WS PF 6	3,000	391.1	400.54	1.52
WS PF 7	4,000	391.1	401.26	1.83
WS PF 8	5,000	391.1	401.88	2.09
WS PF 9	6,000	391.1	402.38	2.32
WS PF 10	8,000	391.1	403.56	2.57
WS PF 11	10,000	391.1	404.43	2.84

NOTES:

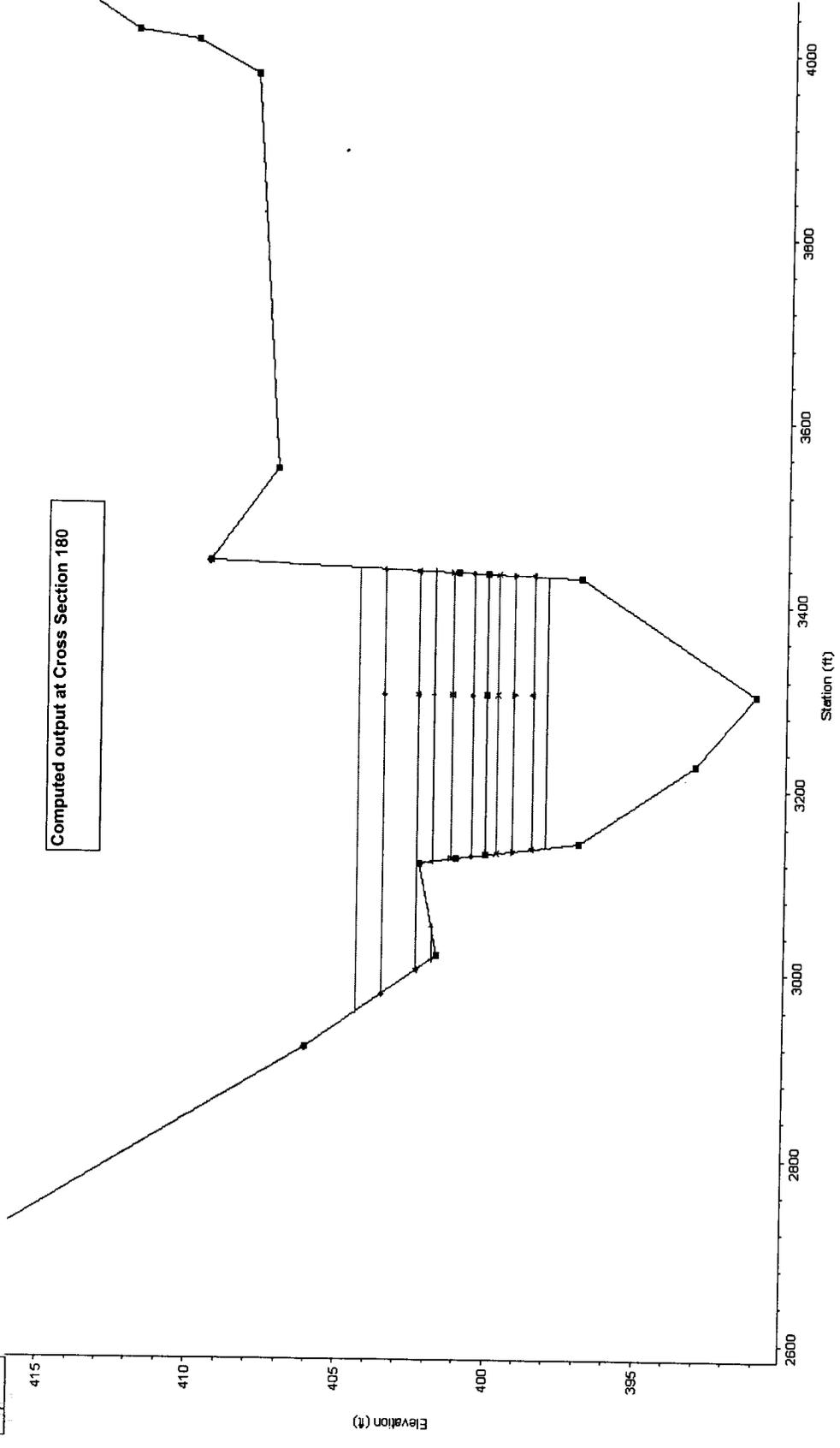
- 1) The model used to compute these values was calibrated to flood flows, generally exceeding 25,000 cfs.
- 2) All elevations referenced to NGVD datum.
- 3) Model cross section geometry from 1990 Puget Sound Power and Light survey; existing conditions will vary.
- 4) Cross section 170 is about 100 feet downstream of bridge.
- 5) Cross section 180 is about 350 feet upstream of bridge.
- 6) HEC-RAS is a one-dimensional model, thus reported average channel velocities will tend to understate conditions in the vicinity of bridge piers.
- 7) The computed water surface elevation is uncertain with respect to present conditions.



Snoqualmie 205 Plans and Specs Models Plan: Snoq EC Low Q 12/10/2003
Bruce St.

Legend
WS PF 11
WS PF 10
WS PF 9
WS PF 8
WS PF 7
WS PF 6
WS PF 5
WS PF 4
WS PF 3
WS PF 2
WS PF 1
Ground
Inert
Bank Sta

Computed output at Cross Section 180



USGS Gage # 12144500, Snoqualmie River Near Snoqualmie, WA.

Average Daily Flow Statistics based on 46 years of record.

Units: cubic feet per second.

Gage is located 0.3 miles downstream of Snoqualmie Falls.

	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
# Days	1,426	1,299	1,426	1,380	1,457	1,410	1,442	1,395	1,380	1,395	1,350	1,395
Avg Day	3,661	3,066	2,501	3,008	3,809	3,657	1,858	862	1,156	1,847	3,579	3,661
Max Day	36,700	34,500	24,600	17,600	11,600	16,300	13,300	5,240	12,800	28,400	54,700	45,600
Min Day	642	700	759	1,060	1,130	674	400	88	245	260	329	608
Min Month	1,162	1,215	1,367	1,478	1,895	1,077	536	451	342	348	716	1,211
Max Month	6,414	6,676	6,735	4,696	6,055	7,568	4,393	2,263	3,937	3,931	10,097	8,886
Average Daily Flow Exceedences												
1%	21,802	18,604	9,472	9,876	9,174	9,891	5,721	3,301	7,048	10,200	21,950	20,025
10%	7,350	5,521	3,970	4,810	5,896	6,020	3,568	1,465	2,300	3,955	6,780	6,945
20%	4,680	3,752	3,056	3,780	4,882	4,910	2,570	1,080	1,490	2,650	4,550	4,660
50%	2,400	2,185	2,090	2,550	3,425	3,240	1,480	680	705	1,160	2,490	2,490
90%	1,140	1,160	1,220	1,550	2,230	1,830	763	455	403	446	1,020	1,260

NOTE:

- 1) real-time USGS data is available at: http://nwis.waterdata.usgs.gov/nwis/uv/?site_no=12144500&agency_cd=USGS
- 2) Data from "Hydrodata" computer data program.

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GENERAL DECISION: WA20030001 05/14/2004 WA1

Date: May 14, 2004

General Decision Number: WA20030001 05/14/2004

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

CARP0001-008 06/01/2003

	Rates	Fringes
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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	6.75
GROUP 2:.....	\$ 24.99	6.75
GROUP 3:.....	\$ 24.15	6.75
GROUP 4:.....	\$ 23.88	6.75
GROUP 5:.....	\$ 59.17	6.75
GROUP 6:.....	\$ 28.02	6.75

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

GROUP 1:.....	\$ 23.21	6.75
GROUP 2:.....	\$ 24.31	6.75
GROUP 3:.....	\$ 23.47	6.75
GROUP 4:.....	\$ 23.21	6.75
GROUP 5:.....	\$ 57.50	6.75
GROUP 6:.....	\$ 27.30	6.75

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 Framers; Outside or Inside Finisher, including doors, windows, and jams; Sawfiler; Shingler (wood, composition) Solar, Fiberglass, Aluminum or Metal; Scaffold Erecting and Dismantling; Stationary Saw-Off Bearer; Wire, Wood and Metal Lather Applicator

GROUP 2: Millwright, machine erector

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

GROUP 4: Bridge, dock and wharf carpenters

GROUP 5: Divers

GROUP 6: Divers Tender

DEPTH PAYS 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 06/01/2003

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

W912DW-04-B-0007

WA20030001-2

Carpenters:

CARPENTERS; ACOUSTICAL.....	\$ 26.94	10.33
DIVERS TENDERS.....	\$ 29.45	10.33
DIVERS.....	\$ 64.00	10.33
DRYWALL.....	\$ 26.94	10.33
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.....	\$ 27.09	10.33
MILLWRIGHTS.....	\$ 27.44	10.33
PILEDRIVERS.....	\$ 27.44	10.33

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 06/01/2003

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	9.22
CARPENTERS AND DRYWALL APPLICATORS.	\$ 20.72	9.22
CARPENTERS ON CREOSOTE MATERIAL.	\$ 20.82	9.22
DIVERS TENDER.	\$ 31.17	9.50
DIVERS.	\$ 70.07	9.50
INSULATION APPLICATORS.	\$ 20.72	9.22
MILLWRIGHT AND MACHINE ERECTORS.	\$ 29.40	9.22
PILEDRIVER, BRIDGE DOCK AND WHARF CARPENTERS.	\$ 28.40	9.22
PILEDRIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CREOSOTE TREATED MATERIAL, ALL PILING.	\$ 28.60	9.22
SAWFILERS, STATIONARY POWER SAW OPERATORS, FLOOR FINISHER, FLOOR LAYER, SHINGLER, FLOOR SANDER OPERATOR AND OPERATORS OF OTHER STATIONARY WOOD WORKING TOOLS.	\$ 20.85	9.22

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	9.50
CARPENTERS AND DRYWALL APPLICATORS.	\$ 28.40	9.50
CARPENTERS ON CREOSOTE MATERIAL.	\$ 28.50	9.50
DIVERS TENDER.	\$ 31.17	9.50
DIVERS.	\$ 70.07	9.50
INSULATION APPLICATORS.	\$ 28.40	9.50
MILLWRIGHT AND MACHINE ERECTORS.	\$ 29.40	9.50
PILEDRIVER, BRIDGE,		

DOCK & WHARF CARPENTERS.....	\$ 28. 40	9. 50
PILEDRIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CRESOTE TREATED MATERIAL, ALL PILING.....	\$ 28. 60	9. 50
SAWFILERS, STATIONARY POWER SAW OPERATORS, FLOOR FINISHER, FLOOR LAYER, SHINGLER, FLOOR SANDER OPERATOR AND OPERATORS OF OTHER STATIONARY WOOD WORKING TOOLS.....	\$ 28. 53	9. 50

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

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	Yaki ma
Aberdeen- Hoqui am	Tacoma	Wenatchee
Ellensburg	Everett	Port Angel es
Centralia	Mount Vernon	Sunnysi de
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 PILEDRIEVER 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%+11. 56
Electrician.....	\$ 33. 50	3%+11. 56

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 07/01/2003

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

	Rates	Fringes
Cable splicer.....	\$ 24.37	3%+11.03
Electrician.....	\$ 23.97	3%+11.03

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
GROUND MEN.....	\$ 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 06/01/2003

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

	Rates	Fringes
Cable splicer.....	\$ 30.71	3%+10.98
Electrician.....	\$ 29.25	3%+10.98

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 06/01/2003

COWLITZ AND WAHKIAKUM COUNTIES

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

ENGI0302-003 06/01/2003

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.....	\$ 30.30	9.40
Group 1AA.....	\$ 30.82	9.40
Group 1AAA.....	\$ 31.33	9.40
Group 1.....	\$ 29.79	9.40
Group 2.....	\$ 29.34	9.40
Group 3.....	\$ 28.97	9.40
Group 4.....	\$ 26.80	9.40

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

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

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

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

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

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

Loader-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pumps-concrete; Roller, plant mix or multi-lift materials; Saws-concrete; Scrapers-concrete and carry-all; Service engineer-equipment; Trenching machines; Truck Crane Oiler/Driver under 100 tons; Tractors, backhoe 75 hp and under

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

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

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

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

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

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

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

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

ENGI0302-009 06/01/2002

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. 51	9. 40
TOTAL PROJECT COST		
UNDER \$300, 000.	\$ 26. 96	8. 40
GROUP 2		
TOTAL PROJECT COST		
\$300, 000 AND OVER.	\$ 28. 62	9. 40
TOTAL PROJECT COST		
UNDER \$300, 000.	\$ 27. 06	8. 40
GROUP 3		
TOTAL PROJECT COST		
\$300, 000 AND OVER.	\$ 28. 97	9. 40
TOTAL PROJECT COST		
UNDER \$300, 000.	\$ 27. 38	8. 40
GROUP 4		
TOTAL PROJECT COST		
\$300, 000 AND OVER.	\$ 29. 02	9. 40
TOTAL PROJECT COST		
UNDER \$300, 000.	\$ 27. 43	8. 40
GROUP 5		
TOATL PROJECT COST		
\$300, 000 AND OVER.	\$ 30. 45	9. 40
TOTAL PROJECT COST		
UNDER \$300, 000.	\$ 28. 75	8. 40
GROUP 6		
TOTAL PROJECT COST		
\$300, 000 AND OVER.	\$ 28. 51	9. 40
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 Pugmixer (asphalt); Bagley or Stationary Scraper; Belt Finishing Machine; Blower Operator (cement); Cement Hog; Compressor (2000 CFM or over, 2 or more, gas diesel or electric power); Concrete Saw (multiple cut); Distributor Leverman; Ditch Witch or similar; Elevator Hoisting Materials; Dope Pots (power agitated); Fork Lift or Lumber Stacker, hydra-lift & similar; Gin Trucks (pipeline); Hoist, single drum; Loaders (bucket elevators and conveyors); Longitudinal Float; Mixer (portable-concrete); Pavement Breaker, Hydra-Hammer & similar; Power Broom; Railroad Ballast Regulation Operator (self-propelled); Railroad Power Tamper Operator (self-propelled); Railroad Tamper Jack Operator (self-propelled); Spray Curing Machine (concrete); Spreader Box (self-propelled); Straddle Buggy (Ross & similar on construction job only); Tractor (Farm type R/T with attachment, except Backhoe); Tugger Operator

GROUP 3: A-frame Truck (2 or more drums); Assistant Refrigeration Plant & Chiller Operator (over 1000 ton); Backfillers (Cleveland & similar); Batch Plant & Wet Mix Operator, single unit (concrete); Belt-Crete Conveyors with power pack or similar; Belt Loader (Kocal or similar); Bending Machine; Bob Cat; Boring Machine (earth); Boring Machine (rock under 8 inch bit) (Quarry Master, Joy or similar); Bump Cutter (Wayne, Saginaw or similar); Canal Lining Machine (concrete); Chipper (without crane); Cleaning & Doping Machine (pipeline); Deck Engineer; Elevating Belt-type Loader (Euclid, Barber Green & similar); Elevating Grader-type Loader (Dumor, Adams or similar); Generator Plant Engineers (diesel or electric); Gunnite Combination Mixer & Compressor; Locomotive Engineer; Mixermobile; Mucking Machine; Posthole Auger or Punch; Pump (grout or jet); Soil Stabilizer (P & H or similar); Spreader Machine; 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 Operator (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; Vacuum 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 & Stifflegs (65 tons & over); Elevating Belt (Holland type); Heavy equipment robotics operator; Loader (360 degrees revolving Koehring Scooper or similar); Loaders (overhead & front-end, over 8 yds. to 10 yds.); Rubber-tired Scrapers (multiple engine with three or more scrapers); Shovels (3 yds. & over); Whirleys & Hammerheads, ALL

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 06/01/2002

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.....	\$ 28.51	9.40
GROUP 2.....	\$ 28.62	9.40

GROUP 3.....	\$ 28.97	9.40
GROUP 4.....	\$ 29.02	9.40
GROUP 5.....	\$ 30.45	9.40
GROUP 6.....	\$ 28.51	9.40

**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 06/01/2003

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.....	\$ 30.30	9.40
GROUP 1AA.....	\$ 30.82	9.40
GROUP 1AAA.....	\$ 31.33	9.40
GROUP 1.....	\$ 29.79	9.40
GROUP 2.....	\$ 29.34	9.40
GROUP 3.....	\$ 28.97	9.40
GROUP 4.....	\$ 26.80	9.40

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 WAHKI AKUM 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-Percussion, Diamond, Core, Cable, Rotary and similar type; Cat Drill (John Henry); Directional Drill Operator over 20,000 lbs pullback; FLOATING EQUIPMENT: Diesel-electric Engineer; Jack Operator, elevating barges, Barge Operator, self-unloading; Piledriver Operator (not crane type) (Deckhand required); Floating Clamshell, etc. Operator, under 3 cu. yds. (Fireman or Diesel-Electric Engineer required); Floating Crane (derrick barge) Operator, less than 30 tons; GENERATORS: Generator Operator; Diesel-electric Engineer; GUARDRAIL EQUIPMENT: Guardrail Punch Operator (all types); Guardrail Auger Operator (all types); Combination Guardrail machines, i.e., punch auger, etc.; HEATING PLANT: Surface Heater and Planer Operator; HYDRAULIC HOES EXCAVATOR: Robotic Hydraulic backhoe operator, track and wheel type up to and including 20,000 lbs. with any or all attachments; Excavator Operator over 20,000 lbs through 80,000 lbs.; LOADERS: Belt Loaders, Kolman and Ko Cal types; Loaders Operator, front end and overhead, 25,000 lbs and less than 60,000 lbs; Elevating Grader Operator by Tractor operator, Sierra, Euclid or similar types; PILEDRIERS: 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; Stationary Drag Scraper Operator; Shovel, Dragline, Clamshell, Operator under 3 cy yds.; Grade-all Operator; SURFACE (BASE) MATERIAL: Blade mounted spreaders, Ulrich and similar types; TRACTOR-RUBBERED TIRED: Tractor operator, rubber-tired, over 50 hp flywheel; Tractor operator, with boom attachment; Rubber-tired dozers and pushers (Michigan, Cat, Hough type); Skip Loader, Drag Box; TRENCHING MACHINE: Trenching Machine operator, digging capacity over 3 ft depth; Back filling machine operator; TUNNEL: Mucking machine operator

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

or similar types; Pavement Breaker Operator; PUMPS: Pump Operator, more than 5 (any size); Pot Rammer Operator; RAILROAD EQUIPMENT: Locomotive Operator, under 40 tons; Ballast Regulator Operator; Ballast Tamper Multi-Purpose Operator; Track Liner Operator; Tie Spacer Operator; Shuttle Car Operator; Locomotive Operator, 40 tons and over; MATERIAL HAULERS: Cat wagon DJBs Volvo similar types; Conveyored material hauler; SURFACING (BASE) MATERIAL: Rock Spreaders, self-propelled; Pulva-mixer or similar types; Chip Spreading machine operator; Lime spreading operator, construction job site; SWEEPERS: Sweeper operator (Wayne type) self-propelled construction job site; TRACTOR-RUBBER TIRE: Tractor operator, rubber-tired, 50 hp flywheel and under; Trenching machine operator, maximum digging capacity 3 ft depth; TUNNEL: Dinkey

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

ENGI0701-003 06/01/2003

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

DREDGING:

W912DW-04-B-0007

WA20030001-22

	Rates	Fringes
Dredging:		
ZONE A		
ASSISTANT ENGINEER.	\$ 30.74	9.25
ASSISTANT MATE.	\$ 26.96	9.25
LEVERMAN, DIPPER, FLOATING CLAMSHELL.	\$ 32.99	9.25
LEVERMAN, HYDRAULIC.	\$ 32.99	9.25
TENDERMAN.	\$ 29.71	9.25
ZONE B		
ASSISTANT ENGINEER.	\$ 32.74	9.25
ASSISTANT MATE.	\$ 28.96	9.25
LEVERMAN, DIPPER, FLOATING CLAMSHELL.	\$ 34.99	9.25
LEVERMAN, HYDRAULIC.	\$ 34.99	9.25
TENDERMAN.	\$ 31.71	9.25
ZONE C		
ASSISTANT ENGINEER.	\$ 33.74	9.25
ASSISTANT MATE.	\$ 29.96	9.25
LEVERMAN, DIPPER, FLOATING CLAMSHELL.	\$ 35.99	9.25
LEVERMAN, HYDRAULIC.	\$ 35.99	9.25
TENDERMAN.	\$ 32.71	9.25

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 07/01/2003

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

	Rates	Fringes
Ironworker.	\$ 26.32	12.45

IRON0029-002 07/01/2003

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

	Rates	Fringes
Ironworker.	\$ 27.82	12.45

IRON0086-002 07/01/2003

YAKIMA, KITTITAS AND CHELAN COUNTIES

	Rates	Fringes
Ironworker.....	\$ 27.47	12.45

IRON0086-004 07/01/2003

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

	Rates	Fringes
Ironworker.....	\$ 28.57	12.45

LAB00001-002 07/01/2003

ZONE 1:

	Rates	Fringes
Laborers:		
CALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (NORTH OF STRAIGHT LINE MADE BY EXTENDING THE NORTH BOUNDARY WAHIAKUM COUNTY WEST TO THE PACIFIC OCEAN), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES		
GROUP 1.....	\$ 17.71	7.20
GROUP 2.....	\$ 20.03	7.20
GROUP 3.....	\$ 24.71	7.20
GROUP 4.....	\$ 25.19	7.20
GROUP 5.....	\$ 25.55	7.20
CHELAN, DOUGLAS (WEST OF THE 120TH MERIDIAN), KITTITAS AND YAKIMA COUNTIES		
GROUP 1.....	\$ 14.59	7.20
GROUP 2.....	\$ 16.91	7.20
GROUP 3.....	\$ 18.63	7.20
GROUP 4.....	\$ 19.11	7.20
GROUP 5.....	\$ 19.47	7.20

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, airatrac); 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 (lagger 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).

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.....	\$ 17.36	6.50
GROUP 2.....	\$ 19.46	6.50
GROUP 3.....	\$ 19.73	6.50
GROUP 4.....	\$ 20.00	6.50
GROUP 5.....	\$ 20.28	6.50
GROUP 6.....	\$ 21.65	6.50

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

GROUP 3: 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 07/01/2003

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.....	\$ 20.95	6.50

 LAB00335-001 06/01/2003

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.....	\$ 22.92	7.40
GROUP 2.....	\$ 23.44	7.40
GROUP 3.....	\$ 23.84	7.40
GROUP 4.....	\$ 24.18	7.40
GROUP 5.....	\$ 20.70	7.40
GROUP 6.....	\$ 18.54	7.40
GROUP 7.....	\$ 15.71	7.40

Zone Differential (Add to Zone 1 rates):

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

BASE POINTS: GOLDENDALE, LONGVIEW, AND VANCOUVER

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

LABORERS CLASSIFICATIONS

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

GROUP 2: Applicator (including pot power tender for same),
 applying protective material by hand or nozzle on utility
 lines or storage tanks on project; Brush Cutters (power saw);
 Burners; Choker Splicer; Clary Power Spreader and similar

types; Clean- up Nozzelman-Green Cutter (concrete, rock, etc.); Concrete Power Buggyman; Concrete Laborer; Crusher Feeder; Demolition and Wrecking Charred Materials; Gunit Nozzelman Tender; Gunit 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; Gunit Nozzelman; High Scalars, 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

 LAB00335- 010 06/01/2003

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

	Rates	Fringes
Hod Carrier.....	\$ 24. 69	7. 40

 PAIN0005- 002 06/01/2003

STATEWIDE EXCEPT CLARK, COWLITZ, KCLICKITAT, PACIFIC (SOUTH), SKAMANIA, AND WAHAKIYAKUM 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 07/01/2003

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, Polyurethanes, Acids, Radiation Resistant Material, Water and Sandblasting, Bridges, Towers, Tanks, Stacks, Steeples.....	\$ 19.97	6.22
Brush, Roller, Striping, Steam-cleaning and Spray....	\$ 18.97	6.22
Lead Abatement, Asbestos Abatement.....	\$ 19.97	6.22
TV Radio, Electrical Transmission Towers.....	\$ 20.72	6.22

*\$.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, KLIICKITAT, PACIFIC, SKAMANIA, AND WAHAKI AKUM 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 06/01/2003

CLARK, COWLITZ, KLIICKITAT, SKAMANIA and WAHAKI AKUM COUNTIES

Rates	Fringes
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Painters:

HIGHWAY AND PARKING LOT
STRIPER. \$ 24. 79 5. 75

PLAS0072- 004 06/01/2003

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. 33 7. 03

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 06/01/2003

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. \$ 28. 52 10. 42
COMPOSITION, COLOR
MASTIC, TROWEL
MACHINE, GRINDER,
POWER TOOLS, GUNNITE
NOZZLE. \$ 28. 77 10. 42

PLAS0555- 002 12/01/2003

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. \$ 25. 96 10. 50
CEMENT MASONS ON
SUSPENDED, SWINGING
AND/OR HANGING SCAFFOLD. . . . \$ 25. 50 10. 50
CEMENT MASONS. \$ 25. 04 10. 50
COMPOSITION WORKERS AND

POWER MACHINERY
 OPERATORS..... \$ 25. 50 10. 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: 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

 PLUM032-002 01/01/2004

CLALLAM, KING AND JEFFERSON COUNTIES

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 34. 43	14. 33

 PLUM032-003 01/01/2004

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

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 26. 38	11. 68

 PLUM044-003 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

 PLUM082-001 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

PLUMD265-003 01/01/2004

ISLAND, SKAGIT, SNOHOMISH, SAN JUAN AND WHATCOM COUNTIES

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

* PLUMD290-003 04/01/2004

CLARK (ALL EXCLUDING NORTHERN TIP INCLUDING CITY OF WOODLAND)

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

PLUMD598-005 06/01/2003

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

	Rates	Fringes
Plumber.....	\$ 30.38	14.20

PLUMD631-001 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 06/01/2003

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

Rates Fringes

Truck drivers:

ZONE 1

GROUP 1.....	\$ 23.90	8.78
GROUP 2.....	\$ 24.02	8.75
GROUP 3.....	\$ 24.15	8.75
GROUP 4.....	\$ 24.41	8.75
GROUP 5.....	\$ 24.63	8.75
GROUP 6.....	\$ 24.79	8.75
GROUP 7.....	\$ 24.99	8.75

Zone Differential (Add to Zone 1 Rates):

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

BASE POINTS: ASTORIA, THE DALLES, LONGVIEW AND VANCOUVER

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

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

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

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

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

TRUCK DRIVERS CLASSIFICATIONS

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

Truck Driver or Leverman; Tireman

GROUP 2: Boom truck/hydra lift or retracting crane; Challenger; Dumpsters or similar equipment all sizes; Dump Trucks/articulated dumps 6 cu to 10 cu.; Flaherty Spreader Driver or Leverman; Lowbed Equipment, Flat Bed Semi-trailer or doubles transporting equipment or wet or dry materials; Lumber Carrier, Driver-Straddle Carrier (used in loading, unloading and transporting of materials on job site); Oil Distributor Driver or Leverman; Transit mix and wet or dry mix 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 06/01/2003

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:..... \$ 26.14 10.33

GROUP 2:.....	\$ 25.56	10.33
GROUP 3:.....	\$ 23.16	10.33
GROUP 4:.....	\$ 18.91	10.33
GROUP 5:.....	\$ 25.90	10.33

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

ZONE C (over 45 miles from center 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, Turnotrailer, 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 06/01/2003

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

Rates Fringes

Truck drivers: (ANYONE WORKING ON HAZMAT JOBS SEE FOOTNOTE A BELOW)

ZONE 1: (INCLUDES ALL OF YAKIMA COUNTY)

GROUP 1.....	\$ 17.93	9.00
GROUP 2.....	\$ 20.20	9.00
GROUP 3.....	\$ 20.70	9.00
GROUP 4.....	\$ 21.03	9.00
GROUP 5.....	\$ 21.14	9.00
GROUP 6.....	\$ 21.31	9.00
GROUP 7.....	\$ 21.84	9.00
GROUP 8.....	\$ 22.17	9.00

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

SECTION 01354

ENVIRONMENTAL PROTECTION (INCLUDING WATER QUALITY PROTECTION PLAN)

PART 1 GENERAL

1.1 SCOPE

This Section covers prevention of environmental pollution and damage as the result of construction operations under this contract. For the purpose of this specification, environmental pollution, and damage is defined as the presence of chemical, physical, or biological elements or agents which adversely affect human health or welfare; unfavorably alter ecological balances of importance to human life; affect other species of importance to man; or degrade the utility of the environment for esthetic, cultural, and/or historical purposes. The control of environment pollution and damage requires consideration of air, water, and land, and includes management of visual esthetics, noise, and solid waste, as well as other pollutants.

1.2 QUALITY CONTROL

The Contractor shall establish and maintain quality control for environmental protection of all items set forth herein. The Contractor shall record any problems in complying with laws, regulations, and ordinances, and corrective action taken.

1.2.1 Subcontractors

Assurance of compliance with this Section by subcontractors will be the responsibility of the Contractor.

1.3 NOTIFICATION

When the Contracting Officer notifies the Contractor in writing of any observed noncompliance with Federal, state, or local laws, regulations, or permits, the Contractor shall, after receipt of such notice, inform the Contracting Officer of proposed corrective action and take such action as may be approved. If the Contractor fails to comply promptly, the Contracting Officer may issue an order stopping all or part of the work until satisfactory corrective action has been taken. No time extensions will be granted or costs or damage allowed to the Contractor for any such suspension.

1.4 PROTECTION OF ENVIRONMENTAL RESOURCES

The environmental resources within the project boundaries and those affected outside the limits of permanent work under this contract shall be protected during the entire period of this contract. The Contractor shall confine his activities to areas defined by the drawings and specifications. Environmental protection shall be as stated in the following subparagraphs:

1.4.1 Disposal of Garbage

Garbage shall be placed in containers which are emptied on a regular schedule. All handling and disposal shall be conducted to prevent contamination.

1.4.2 Refuse Disposal and Cleanup

Refuse shall be defined as debris other than such organic materials as brush or tree stumps.

1.4.2.1 Refuse Disposal

The cost of refuse disposal, such as transportation, handling, dumping fees as applicable, and similar cost, shall be included in the contract price. Refuse shall be disposed of off site, in accordance with all local, state, and Federal rules and regulations, at the Contractor's expense.

1.4.2.2 Fire Hazard

Cloths, cotton waste, and other combustible materials that might constitute a fire hazard shall be placed in closed metal containers and placed outside or destroyed at the end of each day.

1.4.3 Restrictions

The Contractor will not be permitted to deposit refuse in existing garbage cans or refuse dumpsters. Cleaners shall not be poured, drained, or washed into plumbing fixtures or sanitary or storm sewers. Debris, dirt, dust, and stains attributable to or resulting from the work effort shall be removed, cleaned, or effaced by the Contractor to the satisfaction of the Contracting Officer prior to acceptance of the job. Refuse shall not be burned. Burning of vegetation or tree stumps will not be allowed.

1.4.4 Disposal of Chemical or Hazardous Waste

Chemical or hazardous waste shall be stored in corrosion-resistant containers, removed from the work area, and disposed of in accordance with Federal, State, and local regulations.

1.4.5 Disposal of Discarded Materials

Discarded materials, other than those which can be included in the solid waste category, shall be handled as directed.

~~Prior to disposal of demolition debris, the Contractor shall collect a TCLP sample, representing the relative proportion of building materials present in the structure. Demolition debris sample collection shall be in accordance with American Society of Testing and Materials (ASTM) method E 1908-97, "Standard Guide for Sample Selection of Debris Waste from a Building Renovation or Lead Abatement Project for Toxicity Characteristic Leaching Procedure (TCLP) Testing for Leachable Lead". If results from the TCLP testing are greater than 5 mg/L Lead, the associated material shall be disposed as a dangerous waste.~~

1.4.6 Protection of Water Resources

The Contractor shall keep construction activities under surveillance, management, and control to avoid pollution of surface and ground waters. The Contractor shall comply with the applicable provisions of the Water Quality Protection Plan, attached at the end of this Section.

1.4.7 Particulates

Dust particles, aerosols, and gaseous byproducts from construction activities, processing, and preparation of materials shall be controlled at all times, including weekends, holidays, and hours when work is not in progress. Hydrocarbons and carbon monoxide emissions from equipment shall be controlled to Federal and state allowable limits at all times.

1.5 MAINTENANCE OF POLLUTION CONTROL FACILITIES

The Contractor shall maintain all constructed facilities and portable pollution control devices for the duration of the contract or for that length of time construction activities create the particular pollutant.

1.6 RESTORATION OF LANDSCAPE (VEGETATION - SUCH AS TREES, PLANTS, AND GRASS) DAMAGE

All landscape features (vegetation - such as trees, plants, and grass) damaged or destroyed during Contractor operations outside and within the work areas shall be restored to a condition similar to that which existed prior to construction activities unless otherwise indicated on the drawings or in the specifications. This restoration shall be done at no additional cost to the Government. If the Contractor fails or refuses to repair the damage promptly, the Contracting Officer may have the necessary work performed and charge the cost to the Contractor.

Trees shall be replaced in kind with a minimum 4-inch caliper nursery stock. Shrubs, vines, and ground cover shall be replaced in kind; size to be approved by the Contracting Officer.

All plant material shall meet specifications outlined in ANSI Z60.1 - current publication, "American Standard for Nursery Stock."

Grass areas shall be replaced in kind by sodding or seeding. Sod shall be required in all regularly maintained lawn areas and shall be installed according to American Sod Producers Association Guideline Specifications to Sodding.

All disturbed or backfilled areas with exposed soil shall be topsoiled and seeded.

Grass seeding shall be installed on a minimum 4-inch topsoil and as recommended by the local county extension service.

1.7 PRESERVATION OF HISTORICAL, CULTURAL, AND ARCHEOLOGICAL RESOURCES

If, during construction activities, the Contractor observes human skeletal remains or any items that might have historical or archeological significance, the Contractor shall immediately contact the Contracting Officer so that the appropriate authorities may be notified and a determination can be made of the proper disposition of the find. The Contractor shall cease all activities that

may result in the destruction of these resources and shall prevent its employees from trespassing on, removing, or otherwise damaging such resources.

Additionally, because of the spiritual significance of Snoqualmie Falls to the Snoqualmie tribe, a tribal monitor will be on the site at all times during activities involving disturbance of the earth to provide cultural resource expertise during construction of the project.

WATER QUALITY PROTECTION PLAN SNOQUALMIE RIVER SECTION 205 FLOOD CONTROL PROJECT SNOQUALMIE, WASHINGTON

1. INTRODUCTION

The U.S. Environmental Protection (EPA) has promulgated regulations under the Federal Water Pollution Control Act, commonly known as the Clean Water Act (33 USCA 1251, et seq.), to control the point source discharge of storm water from construction sites. This program is regulated through the National Pollutant Discharge Elimination System (Section 402 of the Clean Water Act), and is delegated to state authority (in most states) for non-federal lands. This Water Quality Protection Plan was developed to comply with the provisions of the State of Washington Water Pollution Control Law (Chapter 90.48 RCW). This plan identifies conditions and actions, which shall be the responsibility of the construction contractor (contractor), except where another party is identified, and shall be incorporated into the contractor's Storm Water Pollution Prevention Plan (SWPPP). Most likely the contractor shall have to implement other specific measures to reach the targets identified in this document, which shall be identified in the SWPPP.

This project entails widening the Snoqualmie River just above Snoqualmie Falls and below the Highway 202 Bridge. In addition, an abandoned railroad bridge will be removed. Refer to the attached public notice (attachment A) for a more detailed description of the project elements (Please note that the trestle removal and the erosion control trench elements have been removed). Specific stormwater and erosion control measures are discussed below in Paragraph 2. The general sequence of construction activities for the different project elements is described below in Paragraph 3.

2. EROSION AND SEDIMENT CONTROL PLAN

All work occurring on uplands for the flood control project has the potential for discharge of stormwater into the Snoqualmie River. Dredging in the river is anticipated to increase turbidity levels in the river. See the drawings.

The following conditions shall be required for all project elements:

- a. Construction activities shall adhere to the strictest conditions set forth in the permits and authorizations necessary for the project.
- b. Barriers shall be installed to prevent surface runoff from entering the construction area. If water is pumped from the construction area, it shall be treated prior to reintroduction to a storm drainage system, stream, wetland, or other waterbody. Water discharged from the site shall not cause erosion at or near the outfall location and shall meet state water quality standards (WAC 173-201A).
- c. Washing of equipment or fill material shall not occur where the wash water can enter any stream, watercourse, or wetland. All process water shall be treated and discharged into an appropriate sanitary sewer system. No treated water shall be discharged into the river. Reuse of the wash water is encouraged. (based on WAC 173-210A).

Timing

- d. Construction can occur year round. However, winter time construction (November 1, through March 1 shall be avoided if possible because of the high erosion potential during these months. Inwater construction/demolition shall occur only from July 1 to September 15 of any calendar year.

Heavy Equipment Standards and Requirements

- e. Wherever heavy equipment or power equipment is used, the following measures shall be taken to minimize effects on the landscape and the associated fish and wildlife species and habitat in the area.
 - i. The contractor shall be required to have a Spill Prevention Control and Containment Plan (SPCCP). The SPCCP shall take measures to reduce the impacts from potential spills (fuel, hydraulic fluid, etc). These measures shall be in place prior to the start of any construction action. A spill kit, including selectively absorbent pads and booms shall be present on site to deal with minor spills. Contingencies shall be included in the plan to deal with large problems.
 - ii. Equipment staging or refueling areas must be located at least 100 feet landward from the edge of wetlands and streams, in previously developed areas where environmental effects from accidental spills or leakage will be minimized, or in areas where there are barriers which will prevent spilled liquids from entering waterbodies, wetlands or other sensitive areas. Equipment shall be inspected daily for leaks or accumulations of oil or grease and any identified problems shall be fixed before equipment enters areas that drain directly (without any stormwater treatment) to streams or wetlands. Any spills shall be cleaned up promptly. Cleanup shall take precedence over normal work and shall include removal of contaminated materials. The use of alternatives to petroleum based hydraulic systems is encouraged.
 - iii. Existing paths and roadways shall be used for access to project sites, where feasible. If existing paths and roadways do not exist, no more than 2 temporary roads to allow mechanized equipment to access each discrete project area may be installed. Upon project completion, temporary roads shall be graded and all resulting unvegetated, compacted road surfaces shall be tilled, planted to promote vegetation re-establishment, or otherwise stabilized to prevent soil erosion. At a minimum a sweeper shall be used to deal with trackout. If road washing is necessary, the road washwater may not be discharged to the river or to conveyance systems tributary to the river.
 - iv. Equipment ingress/egress points shall be as indicated on the project plans. Access points shall be designed to minimize impacts and working equipment shall not track in the water, during excavation or placement of materials in the river.

Erosion and Sediment Control Protocols and Standards

- f. Erosion and sediment control (ESC) measures must be designed and implemented before there is any opportunity for storm runoff to create erosion. Project designs and construction plans shall emphasize erosion control rather than sediment control. The following are summaries of the principles and specific measures to be used during any construction projects where erosion and sediment problems could arise:

- i. Construction entrances shall be installed to reduce the amount of sediment transported off-site by construction vehicles and to reduce the area disturbed by vehicle traffic and the associated accessways.
- ii. Prior to any clearing or grading, construction limits shall be delineated with flagging and/or fencing.
- iii. The amount of sediment transported beyond the disturbed areas of the construction site shall be minimized by installing and/or maintaining appropriate perimeter protection measures (vegetated strips, silt fences, floating silt curtains) prior to the start of construction. Prior to removal of perimeter protection measures, any sediment accumulation behind the silt fence shall be removed and stabilized so that it cannot enter any waterbody or wetland. Additional silt fence materials shall be stockpiled at the staging area for any repair work that may be required. Stockpiles shall be covered or otherwise stabilized to prevent generation of turbid stormwater.
- iv. Preventative measures to minimize wind transport of soil (e.g., water spraying) shall be taken. The amount of water sprayed for dust control shall be the minimum necessary to prevent airborne dust and sediment. The amount of water used should not create runoff.
- v. Sandbags or an equivalent barrier shall be constructed between the project area and adjacent surface waterbodies in order to isolate upland construction areas from high water that might result due to precipitation.
- vi. Constructed erosion controls shall be periodically inspected to ensure effectiveness and to identify areas requiring maintenance. Sediment traps and discharge aprons shall be checked and cleaned as necessary. Filter silt fences shall be periodically inspected for deterioration and replaced as necessary or removed when vegetation and permanent structures have been successfully established.
- vii. To minimize the duration of area exposed, projects shall be completed as quickly as possible without compromising the quality of work. Temporary and permanent cover measures shall be provided to protect disturbed areas (e.g. erosion control and blankets, plastic covering, mulching, seeding or sodding). Temporary cover shall be installed if any cleared or graded area is to remain un-worked for more than seven days from June 1-September 30; and for more than two days from October 1-May 31. An on site log shall be kept to show that these conditions are honored. Temporary cover shall be completed within 12 hours of cessation of work in areas that will remain un-worked for the specified time periods. As long as the covering remains in place, planting or seeding is not required in covered areas until conditions are appropriate for growth [see condition (j)]. Temporary cover shall not remain in place for longer than 9 months, at which time permanent stabilization of the area shall be required
- viii. All disturbed areas with exposed soil shall be permanently stabilized within 7 days (June 1 to September 30) or 2 days (October 1 to May 31) from the time final grade is set, unless covered or otherwise stabilized with appropriate temporary erosion and sediment control measures [see condition g(vii)].
- ix. Turbidity Monitoring
 - a. Left and Right Bank Channel Widening

The site shall be thoroughly monitored for turbidity and all ESC measures will be maintained until construction is complete and site conditions stabilize. The goal of

monitoring activities shall be to ensure that water quality is in compliance with the Washington State Water Quality Standards for turbidity (WAC 173-201A-030 or project-specific standard). A minimum of six monitoring stations shall be established (attachment B) – one above each discrete in-water work site to establish the background level (sites A and B), one inside the floating silt curtain (Site C), one immediately below the construction site at the footbridge (Site D), and two below the construction site just upstream and downstream of the outlet for PSE powerplant 2 (sites E and F respectively) to measure the project's effect on turbidity – the location and required compliance level of which will be determined by state standards (WAC 173-201A or project-specific standard). Site F shall be the compliance point. During construction, turbidity shall be measured using a hand-held turbidity meter at least 3 times per workday at the upstream and downstream monitoring locations.ⁱ If turbidity at the compliance point exceeds specified state standards and non-compliance zones, work shall be stopped and actions taken to reduce and/or eliminate the source of turbid discharge shall be taken until turbidity levels are in compliance. Additional monitoring stations shall be established based on the project-specific water quality compliance standards in the relevant permits and authorizations. The establishment of a regular monitoring station at the plunge pool is not recommended due to access issues. The location of the compliance point downstream of the outlet of powerplant 2 is based on the possibility that turbid water will be discharged from this outlet. There is a possibility that other events (e.g. rainfall events or high runoff) could result in additional turbidity testing.

b. Bridge and Trestle Demolition

The site shall be thoroughly monitored for turbidity and all ESC measures will be maintained until construction is complete and site conditions stabilize. The goal of monitoring activities shall be to ensure that water quality is in compliance with the Washington State Water Quality Standards for turbidity (WAC 173-201A-030 or project-specific standard). A minimum of three monitoring stations shall be established (drawing plate C-1) – one upstream of the work site to establish the background level (site G), one immediately below the demolition site (site H), and one three hundred feet downstream of the work site (site I) to measure the project's effect on turbidity – the location and required compliance level of which will be determined by state standards (WAC 173-201A or project-specific standard). Site I shall be the compliance point. During construction, turbidity shall be measured using a hand-held turbidity meter at least 3 times per workday at the upstream and downstream monitoring locations.ⁱⁱ If turbidity at the compliance point exceeds specified state standards and non-compliance zones, work shall be stopped and actions taken to reduce and/or eliminate the source of turbid discharge shall be taken until turbidity levels are in compliance. Additional monitoring stations shall be established based on the project-specific water quality compliance standards in the relevant permits and authorizations. There is a possibility that other events (e.g. rainfall events or high runoff) could result in additional turbidity testing.

ⁱ The exact locations of the sampling points in the stream will be subject to approval by the Corps.

ⁱⁱ The exact locations of the sampling points in the stream will be subject to approval by the Corps.

- x. If turbidity levels exceed 25 NTUsⁱⁱⁱ outside of the mixing zone at site F for the Channel Widening or site I for the Bridge and Trestle Demolition, then construction on the respective contracts shall be stopped until turbidity levels drop below the standard^{iv}. The contractor's on-site environmental monitor shall notify the U.S. Army Corps of Engineers (Corps) Environmental Coordinator (EC), and the King County point of contact (POC). The Corps EC will notify the Washington Department of Ecology. The EC will describe the site conditions and remedial actions being taken to address them. Following this conversation, the EC will notify the site construction supervisor and the site environmental monitor of any further actions required by Ecology in response to the event. The contractor's on-site environmental monitor shall be responsible for any follow-up actions, and for preparing documentation of the event. If exceedences are noted, turbidity monitoring frequency needs to be increased until the project is back in compliance and can adjust the methodology and/or rate of work to stay in compliance.

Post-Construction Requirements

- g. Upon project completion, all waste from project activities shall be removed by the contractor from the project site for disposal at an appropriate location.
- h. Site inspections after project completion and final acceptance will be the responsibility of the Government. These inspections will be performed by a qualified biologist to assure that the project is progressing as planned and that there are no unintended consequences to fish, wildlife and plant species and their habitat. Detailed inspections will be made on all construction projects during or immediately after the first freshet, and also during the first high water following construction.
- i. Follow-on vegetation activities will be the responsibility of the Government. No later than March 1 of the year following construction, native vegetation shall be re-planted in areas specified on the project plans. The site will be monitored for five years for invasives which will be removed on an "as need" basis by a follow-on contractor.

3. CONSTRUCTION SEQUENCING FOR EACH PROJECT ELEMENT

a. Left Bank Channel Widening

Prior to any clearing, a silt fence shall be placed about 3 feet above the water line^v. This placement will be dependent upon the time of year and the threat of flooding. Over the course of construction, approximately 0.9 of an acre of upland soil will be exposed on the left bank. Excavation shall begin on the landward side of the site and progress toward the river. At the completion of the upland excavation, any exposed soil above the water line silt fence shall be stabilized [see conditions f(vii) and f(viii)]. The silt fence near the water line shall be removed only after upland soils have been stabilized.

ⁱⁱⁱ Or if background turbidity is greater than 25 NTUs noncompliance would be when turbidity levels rise to greater than 25 NTUs over background.

^{iv} Project staff will also be watching for fish kills and will work to limit turbidity if fish kills appear to be caused by, or coincident with a turbid plume.

^v At the time of the work, the water line may be higher or lower than the line of ordinary high water. Prior to any clearing, the contractor must establish a silt fence between the area to be cleared and the river. Until that area has been finally stabilized, the contractor must complete daily inspection and maintenance of the silt fence. If an established silt fence is inundated or otherwise rendered useless, the contractor must provide a functioning replacement. The Corps of Engineers will provide assistance in locating the silt fence.

A segmented silt curtain extending from the water surface to the river bottom shall be deployed in the water around the area of in-water excavation. This curtain shall not cover the entire left bank widening area but shall cover the active excavation area and be securely anchored. The silt curtain shall be moved along the bank as excavation proceeds. A second in-water silt curtain shall be deployed immediately upstream of first in-water silt curtain, anchored at the shore and positioned at an angle of 65 degrees downstream. It shall be anchored in the channel and act to deflect current from the work area. A boat shall be provided by the contractor to tend the curtains and address the potential for the curtains to blow out or come loose. Prior to commencement of construction, the contractor shall submit a design and safety plan for installation and maintenance of the curtain system. Upon installation of the floating silt curtains, a second silt fence shall be installed at the toe of the slope on the bench at elevation 405 feet. The water line silt fence shall then be removed and the remaining excavation, including the in-water portions, shall commence.

In-water excavation can be accomplished using equipment operating from the bench established at elevation 405 feet or by other methods which shall be subject to Corps approval. This bench shall be constructed so that the bench slope angles towards the landward slope allowing runoff to collect at the toe of the slope. The contractor shall be responsible for assuring that water collected on the bench does not interfere with construction activities, and that return water shall be treated before discharge.^{vi}

Water from excavated material shall not be allowed to reenter the river. *For example*, the excavated material might be placed into watertight dump trucks that would transport the material to a purpose-built de-watering area located within the staging area, or taken directly to the permanent off site disposal area. Return water from the de-watering area shall not re-enter any wetland or other waterbody until it meets state water quality standards. Following de-watering, excavated material shall be transported to a suitable upland disposal area and stabilized to withstand runoff and wind erosion.

Monitoring of background turbidity levels in the river shall begin one week prior to construction starting and shall continue until shortly after construction is completed. Monitoring stations shall be established as described above.^{vii}

b. Right Bank Channel Widening

A suction dredge or other suitable device shall be used to remove fine sediment that has collected on the in the vicinity of a debris deflector adjacent to the blasting area. The material removed shall be placed in a dewatering area and then transported to the disposal site, or directly placed in a water tight container and directly disposed off site at an approved area. The onsite storage time shall be minimized. The debris deflector shall be removed only after built up sediment has been removed from the site.

To minimize releases of sediment and rock into the river, blasting on the areas above ordinary high water shall first commence on the land and then work towards the river. Fractured material can then be excavated in the dry by leaving a rock barrier. The rock ridge will provide a shield to absorb blast waves that could harm fish in the river. If possible, further excavation

^{vi} The slope of the bench should be such that the trucks aren't driving through the runoff from both the excavated bank and the water dewatering from the dredging operations. There will be specific design criteria to accommodate water control and handling, and not exceed the capacity of the system to handle the water being collected.

^{vii} The pedestrian bridge is located about 700 feet downstream of the downstream end of the left bank widening area.

shall occur on the landward side of this barrier below ordinary high water if site conditions allow it. All in water work shall proceed from the upstream end to the downstream end.

Before in-water blasting occurs, a block net (1/2-inch mesh, anchored on both banks and in the middle of the river) shall be provided and placed entirely across the river at least 400 feet upstream of the right bank blasting area. The area between the net and as close as possible to the downstream dam will be electroshocked by the Government using an electroshocking boat. Shocked fish will be collected and released upstream of the block net near the Highway 202 bridge. A boat provided by the contactor shall remain onsite to maintain the net. In the event of net failure, the net shall be redeployed and the area will be electroshocked again by the Contractor. The block net shall remain in place until all in-water blasting and associated work is completed, and then shall be removed by the contractor.

Best management practices shall be used to control releases of drilling mud from drilling to place explosive charges. Blast mats placed on the rock surface shall be used both above and below ordinary high water during blasting to minimize flying rock and debris. Following blasting, the mats shall be removed, and an excavator shall be used to removed rock debris from the blast zone. More details on the blasting operation are contained in the contract specifications for blasting. The contractor shall have to demonstrate significant experience in handling both above ground and underwater blasting operations and excavation work before award of the contract.

As with the left bank excavation, turbidity monitoring shall occur upstream and downstream of the right bank widening area, as described above. In addition, immediately after each blasting event, a biologist will survey the area via boat to ascertain impacts to fish. If dead fish are found, the charge sizes might be adjusted, the block net moved upstream, or other measures to reduce the probability of fish harm would be taken.

Upon completion of the underwater blasting, the rock ridge shall be removed using the same procedures for water quality protection as described for underwater blasting.

c. Bridge Removal

Silt fence shall be installed around the existing railroad roadbed on the west bank prior to removal of the steel truss bridge. The silt fence shall be to and along the ordinary high water line, forming a "U" around the roadbed. The silt fence shall be inspected and repaired, as needed, on a daily basis. At the completion of the bridge removal, the silt fence shall be removed.. Depending on the method of bridge removal, barges may be placed under the bridge during demolition to catch and contain debris that falls off the bridge.

4. Oversight and Inspection

The Corps or their designated representative will review, approve, and oversee the implementation of the contractor's SWPPP which shall contain the minimum criteria outlined in this Water Quality Protection Plan during each phase of the project including site re-vegetation. This representative will have suitable experience in water quality management, and will have the ability to formulate and direct immediate change to project construction procedures to maintain water quality standards when necessary. The contractor's SWPPP shall be submitted to the COR for approval at least 30 days prior to construction. Oversight activities shall include the following:

- Review and approve the contractor's SWPPP;
- Ensure compliance with the requirements of this plan and the contractor's SWPPP;
- Identify surface and subsurface drainage locations;
- Identify stabilization needs in all areas;
- Oversee restoration of slopes as required; and
- Approve imported materials used as fill of additional cover material.

END OF SECTION

1

**Attachment A
Public Notice**

01354-A-i



Public Notice

US Army Corps
Of Engineers
Seattle District

Planning Branch
Post Office Box 3755
Seattle, Washington 98124-2255
Michael Scuderi, Project Manager
Telephone: (206) 764-7205

Public Notice Date: November 14, 2001
Expiration Date: December 14, 2001
Reference: PL-01-03
Name: Seattle District,
Corps of Engineers

30 Day Notice

Interested parties are hereby notified that the U.S. Army Corps of Engineers, Seattle District, plans to perform work related to the Snoqualmie River Flood Damage Reduction Study, King County, Washington. This work is subject to Section 404 of the Clean Waters Act and described below and shown on the enclosed drawing(s). This notice was previously issued under number TB-99-01 (issued June 14, 1999) that was subsequently withdrawn on June 12, 2001 to incorporate design changes.

LOCATION: The proposed project is located adjacent to the Snoqualmie River, downstream of the city of Snoqualmie, King County, Washington. The project is located between river mile (RM) 40 and river mile 42.

WORK: The project area is located immediately downstream of the town of Snoqualmie, King County, Washington, above Snoqualmie Falls. The project is comprised of three primary elements: 1) right bank channel widening, 2) left bank channel widening, and 3) removal of an abandoned railroad bridge and approach trestle on the right bank. In addition, rock riprap would be placed in one of the shoreline areas to address increased flood velocities.

Right Bank Channel Widening. The right bank channel widening element consists of removing an existing rock outcrop just upstream from the Puget facility's footbridge. The work would occur along approximately 340 linear feet of river shoreline. The channel in the vicinity of this element would be widened from about 140 feet to 200 feet in order to increase the hydraulic efficiency of the channel widening area during a flood. About 0.2 acres of land above the normal water line of the river and 0.5 acres below the water line would be used for project construction. Site inspection has revealed that the outcrop is probably solid rock, and the modified side slope would end up being nearly vertical. An excavation of about 8,056 cubic yards of rock and common material (dirt) would be needed landward of ordinary high water. An excavation of about 2648 cubic yards of rock and common material (dirt) would be needed riverward of ordinary high water. It is anticipated that the rock will be excavated by blasting and some of the rock would require underwater removal. If possible, directional blasting will be used to provide alcoves for fish refuge and areas for plantings. Blasted rock may be used as riprap or bedding spalls for the left bank element. An existing right bank gravel road, which is owned and used by Puget Sound Energy, would be used to reach the right bank construction site. Because the construction area would encroach on the gravel road, a small portion of the road would have to be moved landward within the channel widening area. At the end of construction, the gravel road would be left in a condition as good or better than currently exists. In addition, after construction native trees would be planted along the modified shoreline wherever conditions would allow for the growth of

Public Notice: PL-01-03

trees (i.e. where the shoreline is not solid rock).

Left Bank Channel Widening. The left bank channel widening element consists of removing earth and rock just downstream of the Highway 202 bridge. The work would occur along approximately 475 linear feet of river shoreline. The channel in the vicinity of this element would be widened from about 150 to 175 to 200 feet in order to increase the hydraulic efficiency of the channel widening area during a flood. About 0.9 acres of land above the normal water line of the river and 1.2 acres below the water line would be used for project construction. Inspection of the left bank area to date indicates that the majority of the material to be excavated is probably earth, and an estimated 12,819 cubic yards of material would have to be excavated along the steep river slope landward of the ordinary high water level and 8,210 cubic yards below ordinary high water. The left bank work would consist of first clearing the bank of trees and shrubs, excavating the slope to a 1.5:1 slope (1.5 feet of horizontal distance for every 1 foot of vertical), and then armoring the bank and buried toe with derrick stone up to elevation 405 feet and class V rock riprap from elevation 405 feet to 414 feet in order to protect the bank from erosion. An estimated 8,482 cubic yards of derrick stone would be needed for the bank. The rock riprap would extend up the bank slope to elevation 414, and from there to the top of the bank the bank would be protected with gravel or spalls. The rock would be 6 feet thick on the buried toe of the rock revetment and bank slope up to elevation 405 feet and about 4.5 feet thick from elevation 405 feet to 414 feet. The weighted toe is required to prevent movement of the bank protection and to provide subsurface armor protection if toe scour should occur. At elevation 405 feet there will be a bench of varying width to facilitate plantings. Approximately 5,989 cubic yards of derrick stone would be placed below ordinary high water.

The removal of trees and shrubs along the left bank shoreline area would require mitigation from the standpoint of loss of aesthetics and loss of fish and wildlife habitat. Willow lifts will be planted in the riprap at elevations 401, 406, and 410 feet. Large trees and shrubs will be planted on the bench at elevation 405 feet. Small and medium size trees and shrubs not to exceed 20 feet in height would be planted on the slope above elevation 414 feet. Larger native trees (both coniferous and deciduous) would be planted at the very top of the bank native trees where space is available. Within the buried toe of the revetment, double rootwads would be imbedded in the riprap and placed about every 30 linear feet along the disturbed shoreline to provide fish habitat.

Railroad Bridge Removal. This project element involves the removal of an old, abandoned railroad bridge which crosses the Snoqualmie River about one-half mile upstream of the State Highway 202 Bridge. The right bank right span of the bridge fell into the river during the 1990 flood. The remaining 180 foot long built-up member steel truss bridge span is supported by two timber piling groups. The right bank approach is a 750 foot long timber pile trestle, while that on the left bank is a 675 foot long earthen embankment leading to a 75 foot long timber pile trestle. The bridge and timber support removal could be facilitated by falsework to be constructed near the left bank of the river. The bridge will be removed in sections to the falsework and cut up and dismantled on the left bank. All rails and ties associated with the bridge will be removed as well. All materials (steel, rails, and timber) are believed to be salvageable material. The right bank approach (wooden trestle) will be removed by dismantling the trestle from the Mill Pond Road placing a temporary access road in the footprint of the trestle. During construction of the road, approximately 0.26 acres of freshwater wetland will be temporarily filled with 208 cubic yards of gravel for the roadbed. After the trestle is dismantled, the temporary road fill will be removed and replanted with native vegetation. The wetland area will be regraded and replanted with wetland vegetation.

Associated Design Features - Shoreline Protection. Completion of the 3 element project would result in significantly increased river velocities during a flood in the vicinity of the State Highway 202 bridge. There are areas, particularly on the right bank just upstream of the bridge, where expected 100-year flow velocities could produce significant erosion. The following measure would be intended to negate damage to critical infrastructure due to increased erosion from increased velocities. The area of concern is the right bank

Public Notice: PL-01-03

shoreline area upstream of the Highway 202 bridge. Within this area riprap would be placed in a shallow trench in an area slightly landward of the shoreline to serve as "launched" stone protection. Should the river erode the bank to the riprap pile, then stone would slip over the bank (launch) and continue to do so until the erosion ceased. The mound of riprap would be a triangular prism about 7.5 feet high, 15 feet wide at the top, and about 260 feet long, totaling about 450 cubic yards of rock. The riprap would be placed in an excavated trench about ten feet deep in order to minimize its appearance. Excavated trench material (about 350 cubic yards) would be grade to existing ground level over the riprap prism to facilitate the re-establishment of vegetation.

PURPOSE: Purpose of this project is to provide flood damage reduction for the city of Snoqualmie while minimizing impacts to the environmental resources of the area.

MITIGATION: Mitigation for the project will focus on avoiding and minimizing project impacts. For the channel widening section the amount of riprap to be placed on the bank will be kept to a minimum (i.e. riprap will not be placed to the top of the bank on the left bank element). To minimize disruption to inwater habitat, the toe of the bank protection structures will be buried. To compensate for the vegetation removed, a combination of willows and native trees and low lying shrubs will be planted on the exposed slopes next to the river and large woody debris will be placed on the toe on the left bank channel widening area to replace lost habitat. At the upstream end of the left bank channel widening area, the riprap will be covered with a dirt blanket to provide a ramp for migrating animals.

The majority of the existing shoreline vegetation on the right bank erosion control area will be retained by placing the self launching toe back from the existing shoreline adjacent to the utility right of way. The use of this alignment will minimize loss of vegetation in part through the use of the existing access road. The overburden removed during preparation of the project site will be stockpiled and then placed over the riprap after it is placed. This will provide a growing medium for revegetation of the area.

The railroad bridge removal will be staged on the left bank to avoid impacts to prime forest habitat and wetlands. The fill placed by the trestle removal will be removed and the area will be regraded and replanted.

During construction, inwater work in the channel widening area will be kept to a minimum. Silt curtains will be used to control turbidity releases to the river. A spill prevention plan will be set up to help avoid spills and program a response to handle spills in case one occurs. Fish will be directed away from the blasting area through the use of a bubble curtain. The timing and size of the blasting will be controlled to minimize disruption to fish and wildlife.

COORDINATION: The proposed work is being coordinated with the following Federal, State, or local agencies:

Federal

Environmental Protection Agency
U.S. Fish and Wildlife Service
National Marine Fisheries Service

Indian Tribes

Snoqualmie Tribe
Tulalip Tribe

State of Washington

Department of Ecology
Department of Fish and Wildlife

Public Notice: PL-01-03

Local

King County Public Works
City of Snoqualmie

CULTURAL AND HISTORIC RESOURCES: The District Engineer has reviewed the latest published version of the National Register of Historic Places, lists of properties determined eligible, and other sources of information. A field reconnaissance of the site did not identify any significant cultural or historic resources that would directly be affected by the proposed project. Part of the work is located on a property registered in the National Register of Historic Places (Snoqualmie Falls Historic District) but will not affect any register structures or the character of the site. Unknown archeological, scientific, prehistoric or historical data may be lost or destroyed by work to be accomplished under the requested work.

The District Engineer invites responses to this Public Notice from Federal, State and local agencies, historical and archeological societies, Indian tribes and other parties likely to have knowledge of or concerns with historic properties in the area.

ENDANGERED SPECIES - The Endangered Species Act of 1973, as amended, requires assessment of potential impacts to listed and proposed species. The U.S. Fish and Wildlife Service (USFWS) identified federally listed and proposed animal species which may occur in the project vicinity. Included in this list were four species listed as threatened, bald eagles (*Haliaeetus leucocephalus*), marbled murrelets (*Brachyramphus marmoratus marmoratus*), northern spotted owls (*Strix occidentalis caurina*), and bull trout (*Salvelinus confluentus*). The National Marine Fisheries Service (NMFS) identified one species listed as threatened, Puget Sound chinook salmon (*Oncorhynchus keta*), as occurring downstream of the project area. After receipt of comments from this public notice, the U.S. Army Corps of Engineers will evaluate the potential impacts to the listed species.

PUBLIC HEARING - Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

EVALUATION - The decision whether to perform the proposed work will be based on an evaluation of the probable impact, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers (Corps) is soliciting comments from the public; Federal, State, and local agencies and officials; Indian tribes; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or not proceed with the proposed work. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

The evaluation of the impact of the activity on the public interest will include application of the guidelines

Public Notice: PL-01-03

promulgated by the Administrator, Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act.

ADDITIONAL EVALUATION - The State of Washington is reviewing this work for consistency with the approved Washington Coastal Zone Management Program.

This proposal is the subject of Shorelines Management Act and will be conducted in a manner consistent to the maximum extent practicable with the approved State Coastal Zone Management Program. The city of Snoqualmie, one of the project's local sponsors, will process a Shorelines Substantial Development Permit for this project.

A final Environmental Assessment and Finding of No Significant Impact has already been prepared for the proposed work. Based on the assessment of potential impacts from the proposed work, an Environmental Impact Statement will not be required.

COMMENT AND REVIEW PERIOD: Additional information concerning the project may be obtained at the above referenced address from Mr. Michael Scuderi, (206) 764-7205, or from Mr. Paul Cooke, (206) 764-3622. Comments on these factors will be accepted and made part of the record. Comments should refer to the reference number shown above and reach this office, Attn: Mr. Michael Scuderi, NWS-PM-PL-ER, no later than the expiration date of this public notice to insure consideration.

Encl

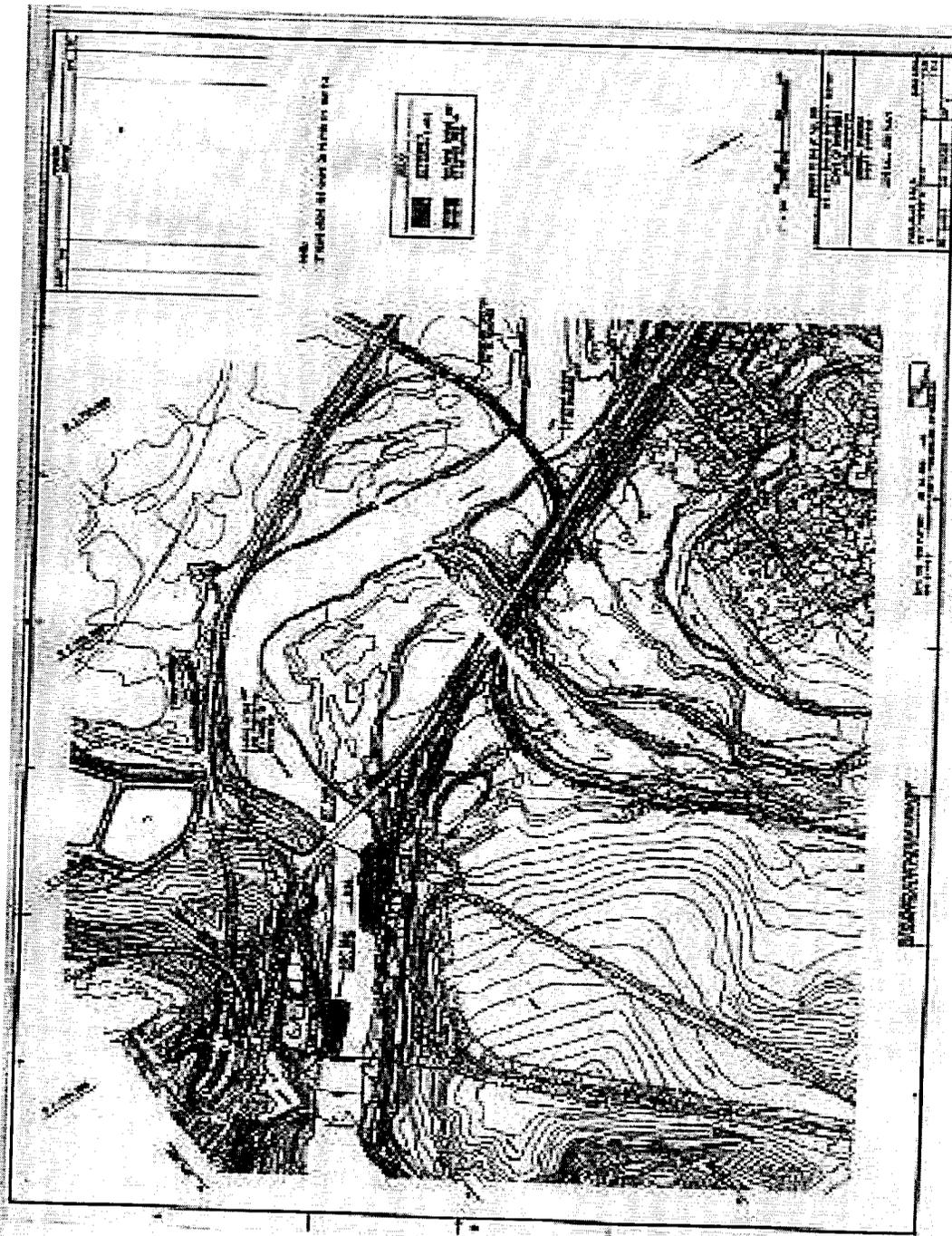
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Public Notice: PL-01-03



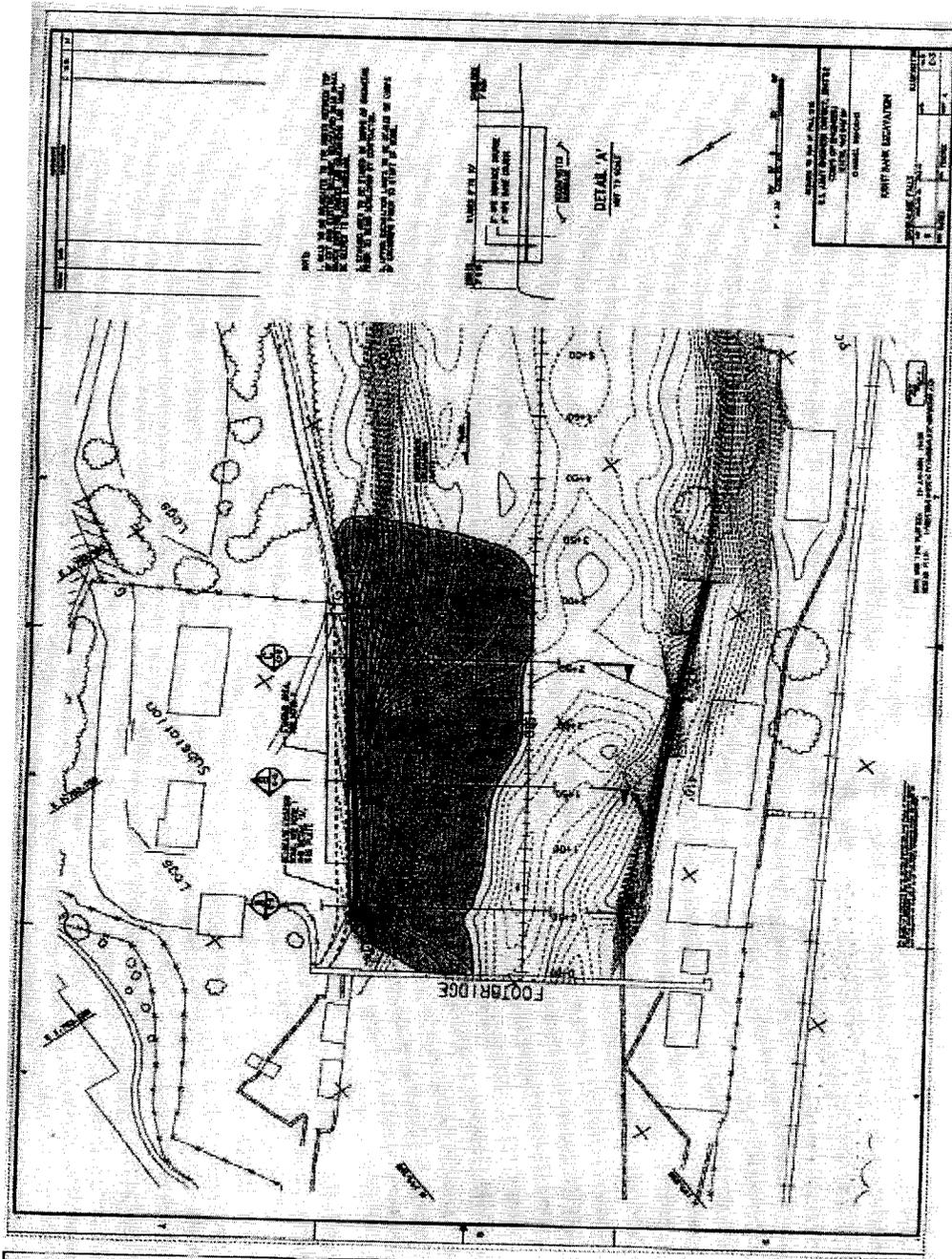
<p>PURPOSE: Flood Flood Damage Reduction</p> <p>DATUM: NVGD</p> <p>ADJACENT PROPERTY OWNERS: List Available from Corps of Engineers</p>	<p>SNOQUALMIE RIVER FLOOD DAMAGE REDUCTION STUDY</p> <p>PROJECT LOCATION</p> <p>SEATTLE DISTRICT CORPS OF ENGINEERS</p>	<p>IN: Waters of the U.S. adjacent to the Snoqualmie River</p> <p>AT: Sec. 30, T24N R8E</p> <p>COUNTY: King STATE: WA</p> <p>SHEET 1 OF 9</p> <p>DATE: November 14, 2001</p>
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Public Notice: PL-01-03

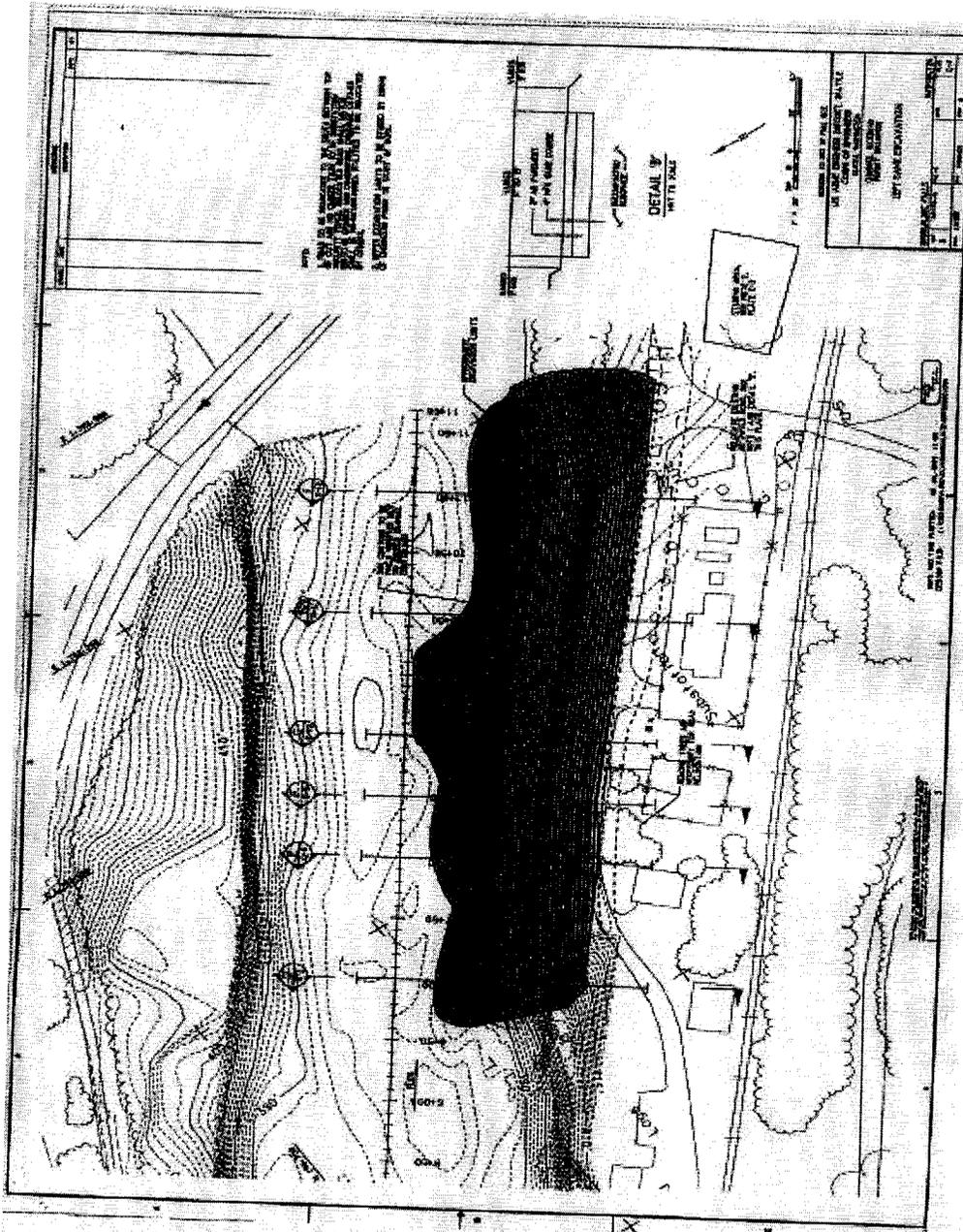


<p>PURPOSE: Flood Flood Damage Reduction</p> <p>DATUM: NVGD</p> <p>ADJACENT PROPERTY OWNERS: List Available from Corps of Engineers</p>	<p>SNOQUALMIE RIVER FLOOD DAMAGE REDUCTION STUDY</p> <p>STUDY AREA</p> <p>SEATTLE DISTRICT CORPS OF ENGINEERS</p>	<p>IN: Waters of the U.S. adjacent to the Snoqualmie River</p> <p>AT: Sec. 30, T24N R8E</p> <p>COUNTY: King STATE: WA</p> <p>SHEET 2 OF 9</p> <p>DATE: November 14, 2001</p>
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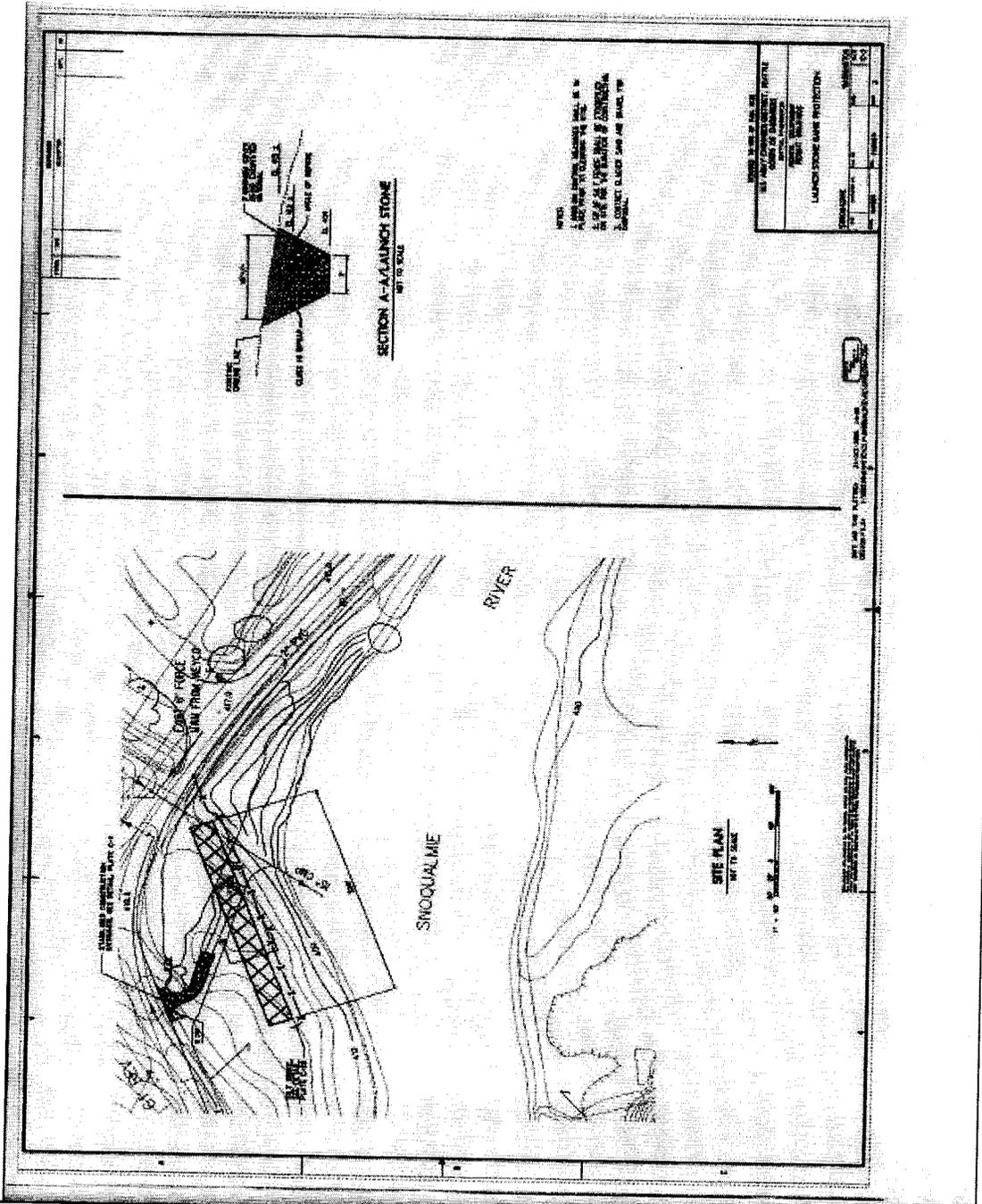
Public Notice: PL-01-03



<p>PURPOSE: Flood Flood Damage Reduction</p> <p>DATUM: NVD</p> <p>ADJACENT PROPERTY OWNERS: List Available from Corps of Engineers</p>	<p>SNOQUALMIE RIVER FLOOD DAMAGE REDUCTION STUDY</p> <p>RIGHT BANK CHANNEL WIDENING AREA</p> <p>SEATTLE DISTRICT CORPS OF ENGINEERS</p>	<p>IN: Waters of the U.S. adjacent to the Snoqualmie River</p> <p>AT: Sec. 30, T24N R8E</p> <p>COUNTY: King STATE: WA</p> <p>SHEET 3 OF 9</p> <p>DATE: November 14, 2001</p>
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<p>PURPOSE: Flood Flood Damage Reduction</p> <p>DATUM: NVGD</p> <p>ADJACENT PROPERTY OWNERS: List Available from Corps of Engineers</p>	<p>SNOQUALMIE RIVER FLOOD DAMAGE REDUCTION STUDY</p> <p>LEFT BANK CHANNEL WIDENING AREA</p> <p>SEATTLE DISTRICT CORPS OF ENGINEERS</p>	<p>IN: Waters of the U.S. adjacent to the Snoqualmie River</p> <p>AT: Sec. 30, T24N R8E</p> <p>COUNTY: King STATE: WA</p> <p>SHEET 4 OF 9</p> <p>DATE: November 14, 2001</p>
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PURPOSE: Flood Flood Damage Reduction

DATUM: NVGD

ADJACENT PROPERTY OWNERS:
List Available from Corps of Engineers

SNOQUALMIE RIVER FLOOD DAMAGE REDUCTION STUDY

RAILROAD BRIDGE REMOVAL AREA

SEATTLE DISTRICT CORPS OF ENGINEERS

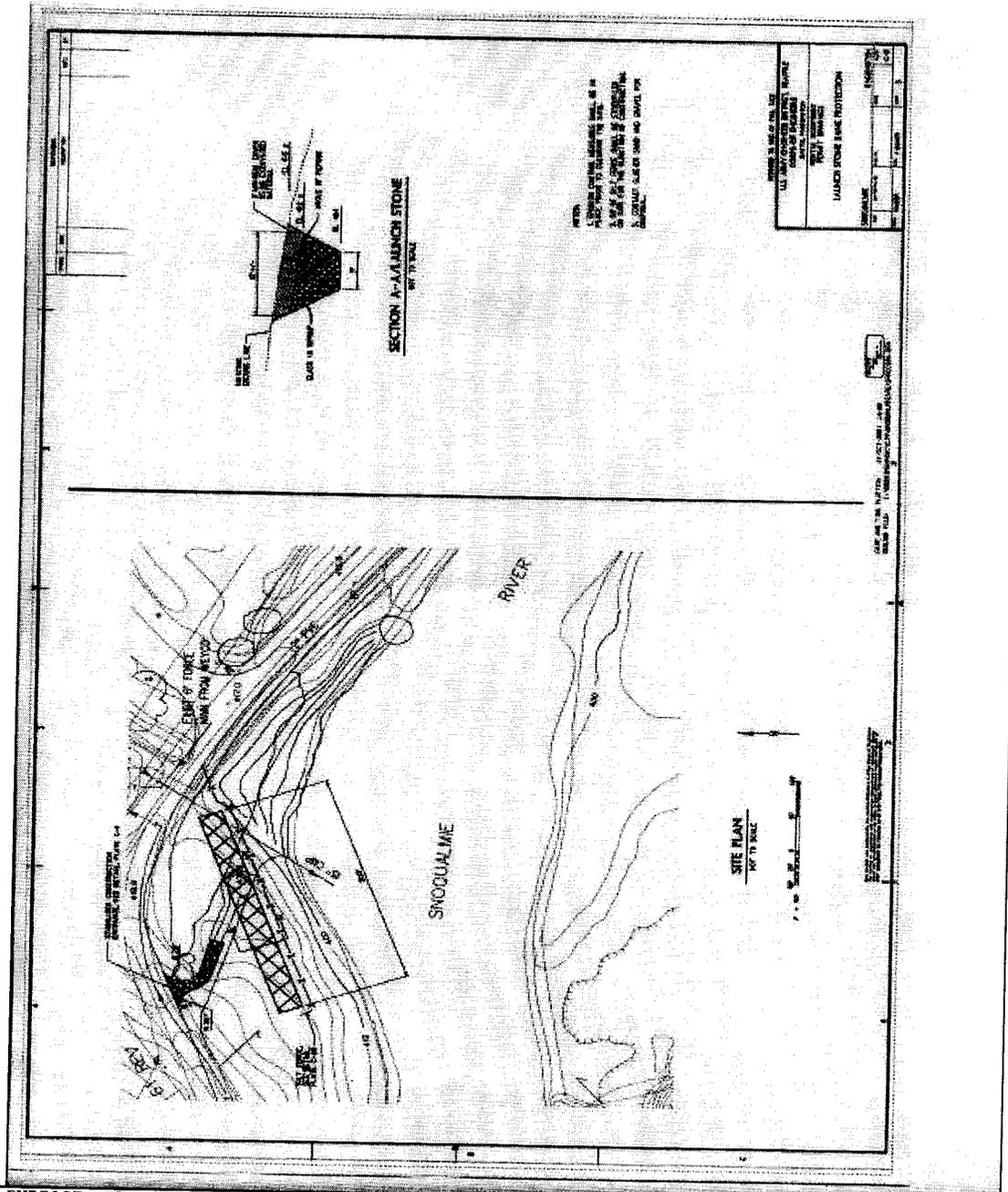
IN: Waters of the U.S. adjacent to the Snoqualmie River

AT: Sec. 30, T24N R8E

COUNTY: King STATE: WA

SHEET 5 OF 9

DATE: November 14, 2001



PURPOSE: Flood Flood Damage Reduction

DATUM: NVGD

ADJACENT PROPERTY OWNERS:
List Available from Corps of Engineers

SNOQUALMIE RIVER FLOOD DAMAGE REDUCTION STUDY

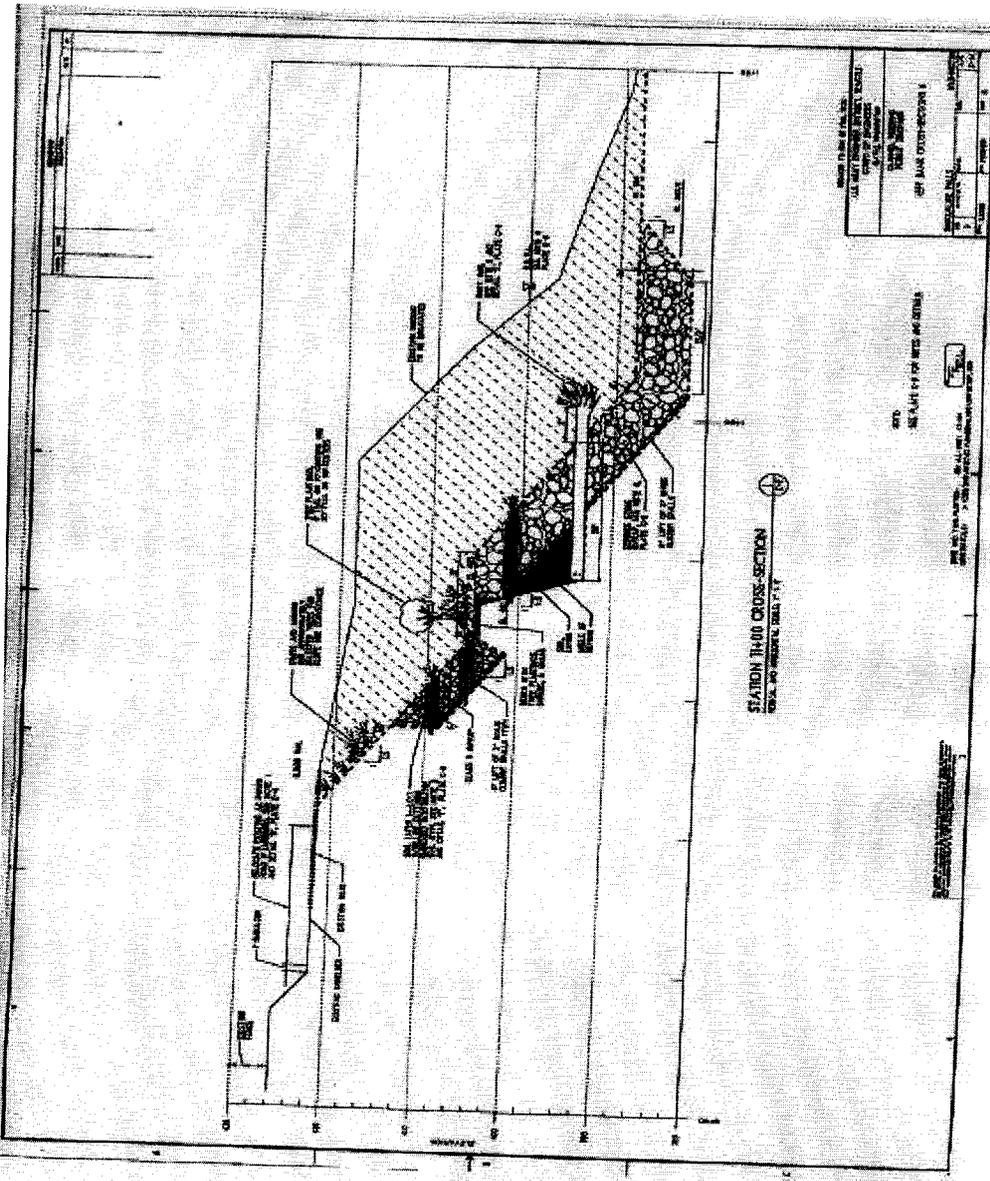
EROSION CONTROL AREA

SEATTLE DISTRICT
CORPS OF ENGINEERS

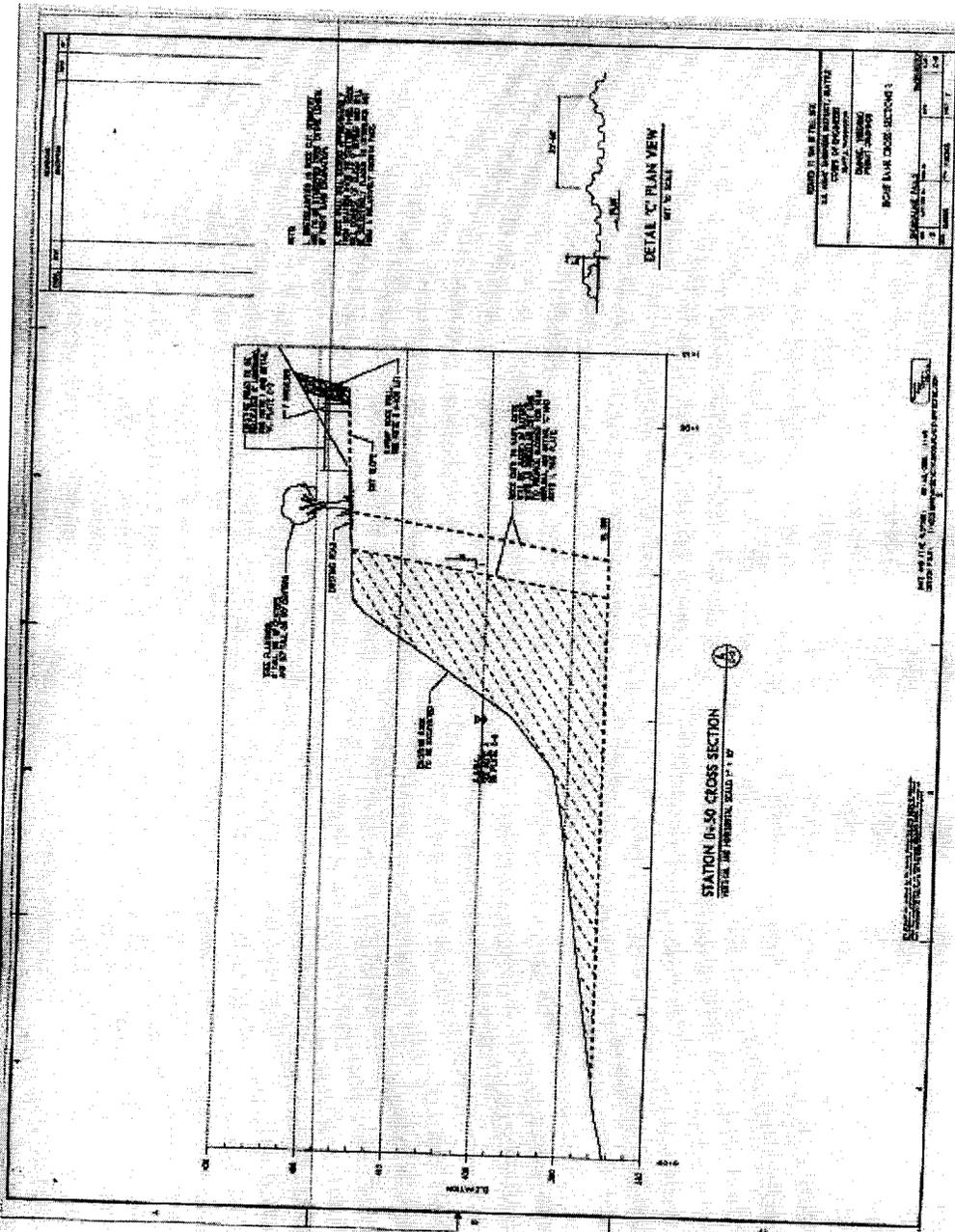
IN: Waters of the U.S. adjacent to the Snoqualmie River

AT: Sec. 30, T24N R8E
COUNTY: King STATE: WA

SHEET 6 OF 9
DATE: November 14, 2001



<p>PURPOSE: Flood Flood Damage Reduction</p> <p>DATUM: NVGD</p> <p>ADJACENT PROPERTY OWNERS: List Available from Corps of Engineers</p>	<p>SNOQUALMIE RIVER FLOOD DAMAGE REDUCTION STUDY</p> <p>CROSS SECTION FOR LEFT BANK CHANNEL WIDENING INCLUDING REPLANTING AND LWD</p> <p>SEATTLE DISTRICT CORPS OF ENGINEERS</p>	<p>IN: Waters of the U.S. adjacent to the Snoqualmie River</p> <p>AT: Sec. 30, T24N R8E</p> <p>COUNTY: King STATE: WA</p> <p>SHEET 7 OF 9</p> <p>DATE: November 14, 2001</p>
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PURPOSE: Flood Flood Damage Reduction

DATUM: NVGD

ADJACENT PROPERTY OWNERS:
List Available from Corps of Engineers

SNOQUALMIE RIVER FLOOD DAMAGE REDUCTION STUDY

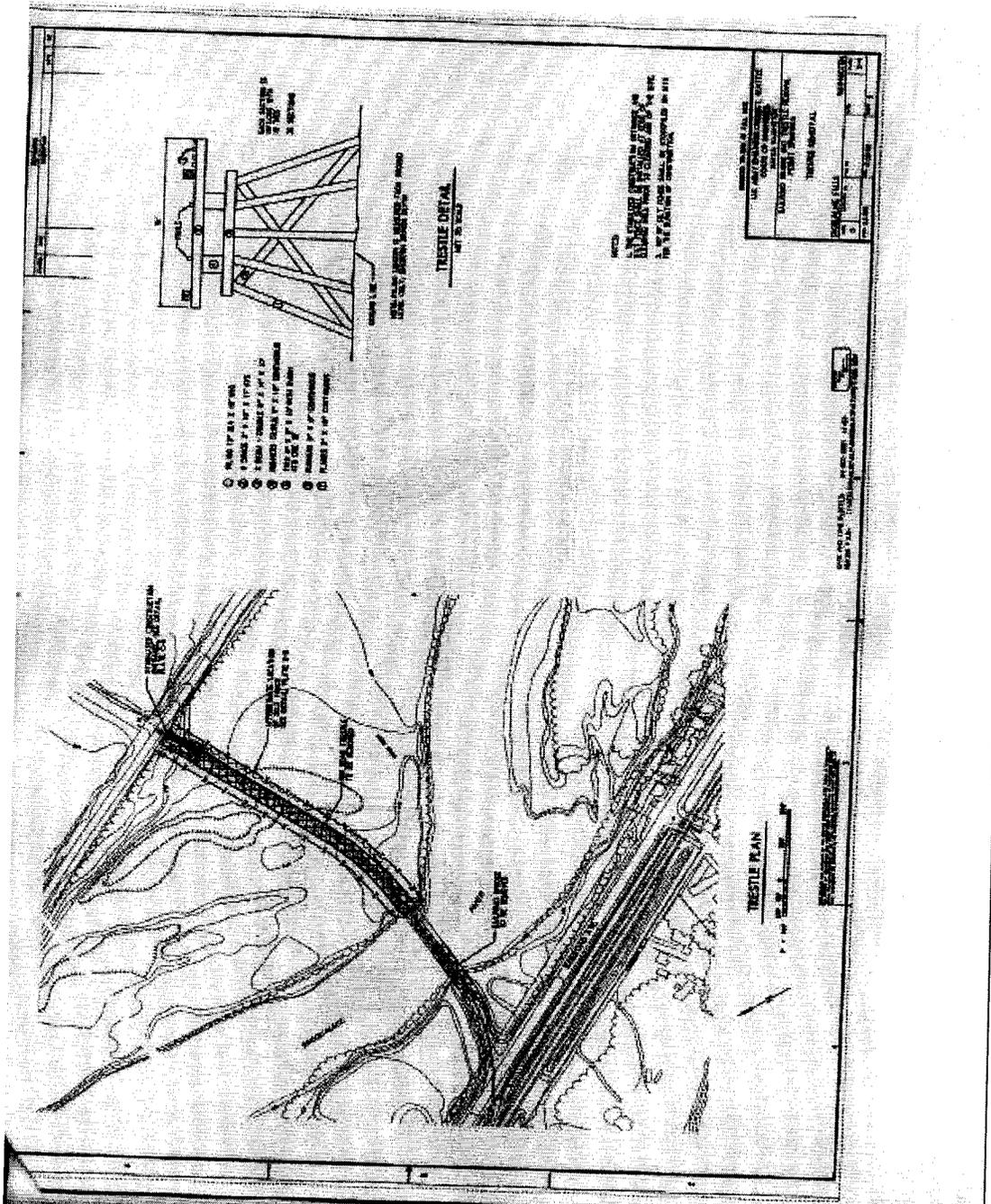
CROSS SECTION FOR RIGHT BANK CHANNEL WIDENING

SEATTLE DISTRICT
CORPS OF ENGINEERS

IN: Waters of the U.S. adjacent to the Snoqualmie River

AT: Sec. 30, T24N R8E
COUNTY: King STATE: WA

SHEET 8 OF 9
DATE: November 14, 2001



PURPOSE: Flood Flood Damage Reduction

DATUM: NVGD

ADJACENT PROPERTY OWNERS:
List Available from Corps of Engineers

SNOQUALMIE RIVER FLOOD DAMAGE REDUCTION STUDY

TRESTLE REMOVAL AREA

SEATTLE DISTRICT
CORPS OF ENGINEERS

IN: Waters of the U.S. adjacent to the Snoqualmie River

AT: Sec. 30, T24N R8E
COUNTY: King STATE: WA

SHEET 9 OF 9
DATE: November 14, 2001



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Mail Stop PV-11 • Olympia, Washington 98504-8711 • (206) 459-6000

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Notice of Application for
Water Quality Certification
and for
Certification of Consistency with the
Washington Coastal Zone Management Program

Date: Nov. 14, 2001

Notice is hereby given that a request has been filed with the Department of Ecology, pursuant to the requirements of Section 401 of the federal Clean Water Act of 1977 (PL 95-217), to certify that the project described in the Corps of Engineers Public Notice No. PL-01-003 will comply with Sections 301, 302, 303, 306, and 307 of the Act, and with applicable provisions of State and Federal water pollution control laws.

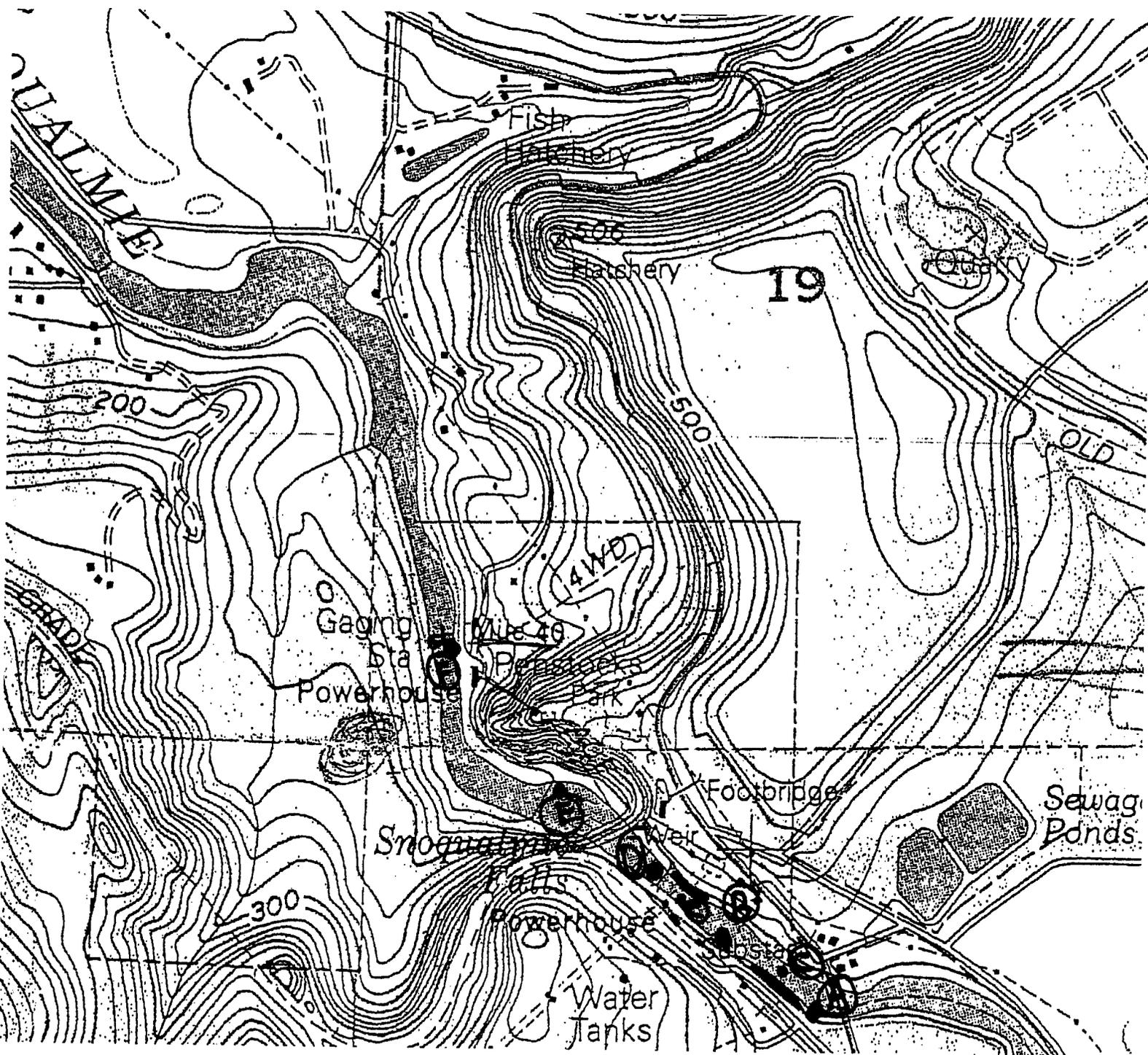
Notice is also given that a request has been filed with the Department of Ecology, pursuant to the requirements of Section 307(c) of the federal Coastal Zone Management Act of 1972 (16 U.S.C. 1451), to certify that the above-referenced project will comply with the Washington State Coastal Zone Management Program and that the project will be conducted in a manner consistent with that Program.

Any person desiring to present views pertaining to the project on either or both (1) compliance with water pollution control laws or (2) the project's compliance or consistency with the Washington State Coastal Zone Management Program may do so by providing written comments within 30 days of the above publication date to:

Alice Kelly
Dept. of Ecology
3190 160th Ave. SE
Bellevue, WA 98008-5452

Attachment B
Turbidity Monitoring Station Sites

01354-B-i



-  LEFT AND RIGHT BANK CHANNEL WIDENING
-  WATER QUALITY MONITORING STATIONS.
DOWNSTREAM STATION IS THE COMPLIANCE POINT

ATTACHMENT B

SECTION 02220

DEMOLITION

PART 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.

ENGINEERING MANUALS (EM)

EM 385-1-1	(2003) U.S. Army Corps of Engineers Safety and Health Requirements Manual
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1.2 GENERAL REQUIREMENTS

The work includes demolition and removal of resulting rubbish and debris. Rubbish and debris shall be removed from project site daily, unless otherwise directed, to avoid accumulation at the demolition site. Materials that cannot be removed daily shall be stored in areas specified by the Contracting Officer. In the interest of occupational safety and health, the work shall be performed in accordance with EM 385-1-1, Section 23, Demolition, and other applicable Sections.

1.3 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals having an "FIO" designation are for information only. The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES:

Product Data

Work Plan; G,

The procedures proposed for the accomplishment of the work. The procedures shall provide for safe conduct of the work, including procedures and methods to provide necessary supports, lateral bracing and shoring when required, careful removal and disposition of materials specified to be salvaged, protection of property which is to remain undisturbed, coordination with other work in progress, and timely disconnection of utility services. The procedures shall include a detailed description of the methods and equipment to be used for each operation, and the sequence of operations in accordance with EM 385-1-1.

1.4 DUST CONTROL

The amount of dust resulting from demolition shall be controlled to prevent the spread of dust to avoid creation of a nuisance in the surrounding area. Use of water will not be permitted when it will result in, or create, hazardous or objectionable conditions such as ice, flooding and pollution.

1.5 PROTECTION

1.5.1 Protection of Personnel

During the demolition work the Contractor shall continuously evaluate the condition of the structure being demolished and take immediate action to protect all personnel working in and around the demolition site. No area, section, or structural element will be allowed to be left standing without sufficient bracing, shoring, or lateral support to prevent collapse or failure while workmen remove debris or perform other work in the immediate area.

1.5.2 Protection of Structures

Structural components that are designed and constructed to stand without lateral support or shoring, and are determined to be in stable condition, shall remain standing without additional bracing, shoring, or lateral support until demolished, unless directed otherwise by the Contracting Officer. The Contractor shall ensure that no elements determined to be unstable are left unsupported and shall be responsible for placing and securing bracing, shoring, or lateral supports as may be required as a result of any cutting, removal, or demolition work performed under this contract.

1.5.3 Protection of Existing Property

Before beginning any demolition work, the Contractor shall survey the site and examine the drawings and specifications to determine the extent of the work. The Contractor shall take necessary precautions to avoid damage to existing items to remain in place; any damaged items shall be repaired or replaced as approved by the Contracting Officer. The Contractor shall coordinate the work of this section with all other work and shall construct and maintain shoring, bracing, and supports as required. The Contractor shall ensure that structural elements are not overloaded and shall be responsible for increasing structural supports or adding new supports as may be required as a result of any cutting, removal, or demolition work performed under this contract.

1.5.4 Environmental Protection

The work shall comply with the requirements of Section 01354 ENVIRONMENT PROTECTION.

1.6 BURNING

The use of burning at the project site for the disposal of refuse and debris will not be permitted.

1.7 USE OF EXPLOSIVES

Use of explosives will not be permitted.

PART 2 PRODUCTS (NOT APPLICABLE)

PART 3 EXECUTION

3.1 EXISTING STRUCTURES

Existing structures indicated shall be removed to grade. Any pilings that cannot be extracted by a hydraulic excavator with thumb with at least 160 horsepower rating shall be cut off at ground line.

3.1.1 Railroad Bridge

The railroad bridge shall be removed in a manner that minimizes disturbance to the river and the riverbed. All elements of the bridge shall be removed and taken to shore for disposal. The pilings shall be either pulled from the river bottom or cut at the level of the riverbed and lifted clear of the river. Any plan that proposes to put portions of the bridge into the water is not acceptable. The incidental dropping of small pieces shall to be minimized. Any debris that falls from the bridge shall be caught above the water. Pilings shall not be driven into the riverbed as part of the demolition of the bridge, although barge spuds are specifically allowed. Disturbance of the riverbed is prohibited, except for minor incidental disturbance caused by normal use of barge spuds. Turbidity requirements of the Water Quality Certificate and HPA must be met by all work in the contract. See Section 01354 ENVIRONMENTAL PROTECTION (INCLUDING WATER QUALITY PROTECTION PLAN) for additional requirements.

3.2 FILLING

Holes shall be filled using satisfactory materials as defined in Specification 02300, paragraph 1.4 and tamped to match existing ground compaction.

3.3 DISPOSITION OF MATERIAL

Title to material and equipment to be demolished is vested in the Contractor upon receipt of notice to proceed. The Government will not be responsible for the condition, loss or damage to such property after notice to proceed. [See Attachment A Characterization of Snoqualmie Bridge Demolition Debris, attached at the end of this section.](#)

3.4 CLEAN UP

Debris shall be removed and transported in a manner that prevents spillage on streets or adjacent areas. Local regulations regarding hauling and disposal shall apply.

END OF SECTION

Attachment A

Characterization of Snoqualmie Bridge Demolition Debris

Characterization of Snoqualmie Bridge Demolition Debris

1. Introduction. The following characterizes and provides recycling and disposal guidance for the waste streams that will be generated from the demolition of an old bridge in the Snoqualmie area. The waste streams will include painted and non-painted steel, and treated wood. The paint was tested to determine the presence of lead-based paint and the possibility for leaching of lead. The wood was tested to see if failed the Toxicity Characteristic Leaching Procedure (TCLP) for any constituent. The following paragraphs discuss regulatory guidance, discuss results from the sampling and laboratory analysis, and present options for recycling and disposal of the waste streams.

2. Regulatory Guidance. Per Engineer Regulation (ER) 1165-2-132, *Water Resource Policies and Authorities, Hazardous, Toxic, and Radioactive Waste (HTRW) Guidance for Civil Works Projects*, HTRW includes material listed as a “hazardous substance” under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), which in turn includes “hazardous wastes” under the Resource Conservation and Recovery Act (RCRA), and “imminently hazardous chemical substances or mixtures” under the Toxic Substance Control Act (TSCA). Based on these definitions and the findings presented herein, the lead-based paint and wood are not considered HTRW.

3. Results of Sampling and Laboratory Analysis. Wood samples were analyzed for the suite of TCLP constituents (metals, volatiles, semi-volatiles, pesticides, and herbicides). The wood samples did not fail TCLP for any constituent and can be managed as non-hazardous waste.

Paint samples were analyzed for Total Lead (EPA Method 6010), and the test results indicated that the paint contained lead at 47,000 mg/kg (or 4.7% by weight). Paint with lead concentration in the paint equal to or greater than 1.0 mg/cm² (or 0.5% by weight) is considered lead-based paint [CFR, 2001]. Therefore, the truss is painted with lead-based paint. However, the painted steel does not fail TCLP for lead and can be managed as non-hazardous waste. The calculations to arrive at this conclusion are briefly described as follows.

The Washington State Department of Ecology provides several methods for sampling debris [Ecology, 2004]. “Plan Five - Screen and Calculate Lead Concentration” was chosen as the most realistic method for sampling the paint and determining the leachable lead that would be present if the entire painted structure were disposed. According to this method, if the mass concentration of lead in the waste is less than 100 mg/kg, then the debris can be managed as solid waste. The “worst case” mass concentration estimated for the painted steel was 86 mg/kg, and the “baseline” mass concentration was 71.6 mg/kg, both of which do not exceed the specified limit.

The method involves estimating the volume of paint, the amount of lead in the paint, the surface area that is painted, and the mass of the steel structure. Assumptions used for estimating these values were as follows:

- It was assumed that the entire steel structure (truss, supports, I-beams, and cross beam under the deck) was painted and that the mass of the entire structure was about 88.8 tons. If one were to assume 100 tons, then the mass concentration values presented above would be even lower.
- It was assumed that any latticed steel had a painted surface area that was 20% of what a same-sized solid beam would be.
- Paint thickness was estimated to be 0.025 cm based on a sample measured with a ruler.

A “baseline” was estimated for surface area painted, as well as a value 20% above this baseline. The “worst case” scenario above (86 mg/kg) used the + 20% surface area and the smaller value (88.8 tons) of structural mass.

4. Recycling and Disposal Options - Painted Steel and Steel Scrap. Since the painted steel is not hazardous, the painted steel and steel scrap (bolts, rails, etc) can be recycled or disposed of, though the latter is not recommended. These options are described in more detail below.

Option 1: Recycle the steel. Although lead-based paint is present on the steel truss, the painted steel can be recycled [WAC 173-303-071(ff)]. It is assumed based on the “scrap” definition in WAC173-303-040 that the bolts, nails, and rails are also included as “scrap” and can be recycled as well. Recycling is highly recommended to conserve natural resources and prevent usable materials from entering a landfill. It also supports USACE Environmental Operating Principles, the Pollution Prevention Act of 1990, and Executive Order 13101.

Possible recycling opportunities include:

- Seattle Iron & Metals Corp, Seattle, WA (206-682-0040)
- Skagit River Steel and Recycling, Burlington WA (360-391-0991)
- King County Industrial Materials Exchange (IMEX) - <http://www.govlink.org/hazwaste/business/imex/>
- King County Recycling and Reuse Database - <http://www6.metrokc.gov/dnr/swd/Recycle/Recycle.asp>

Option 2: Dispose of the steel in a solid waste landfill. This option is not recommended. Rabanco in Renton, WA (425-235-0269) will accept steel scrap.

Neither option currently reflects the cost of transporting the steel.

5. Recycling and Disposal Options – Treated Wood Waste. Since the treated wood was determined not to be hazardous, it can be recycled or disposed. These options are described in more detail below.

Option 1. Recycle the wood. The ties are excluded from dangerous waste regulations, if, within 180 days of becoming waste, the ties are sent to a facility that will legitimately treat or recycle the wood and manage any residue in accordance with dangerous waste regulations [WAC173-303-071(3.g.ii.B)]. TCLP testing was not required for this option.

Railroad tie recyclers or landscaping firms may be interested in the ties as well. Reuse of the ties is highly recommended. Based on the sampling effort, the core of the ties appears to be wood in very good condition. Thus, if the outer layer of creosote could be sawn off, the remaining wood may be suitable for reuse. Possible recycling opportunities include:

- R.W. Rhine, Tacoma WA (1-253-537-5852).

Option 2. Burn the wood for energy recovery. Creosote-treated wood is excluded from dangerous waste regulations, if, within 180 days of becoming waste, the wood is burned for energy recovery in an industrial furnace or boiler that has an order of approval issued pursuant to RCW 70.94.152 by ecology or a local air pollution control authority to burn creosote treated wood [WAC173-303-071(3.g.ii.C)]. TCLP testing was not required for this option.

Option 3. Dispose of the wood in a permitted (RCRA Subtitle D) landfill. Since the wood did not fail TCLP, it may be disposed of in a landfill that is permitted in accordance with WAC173-304-360 [V. Mainz (Ecology), email communication, "Re: Treated Wood Exclusion Info," on 4/28/04 and WAC173-303-071(3.g.ii.A)]. Such a landfill is lined and has a leachate collection system. Rabanco (206-652-6658) operates this type of landfill, and accepts treated wood waste. If needed, Rabanco has a container hauling service as well, and contact information is available from <http://www.rabanco.com/contact.htm>.

6. References

CFR, 2001. Code of Federal Regulations. 24 CFR Part 35 Subpart D, Section 35.110, "Definitions," revised 2001. Accessed from <http://www.hud.gov/offices/lead/leadsaferule/24CFR35LeadSafeHousingRule.rtf> on 5/3/04.

Ecology, 2004. Washington State Department of Ecology. "Demolition Debris Resources: Plan Five- Screen and Calculate Lead Concentration." Accessed from <http://www.ecy.wa.gov/programs/hwtr/demodebris/pages2/sampleplans.html#Screen%20and%20Calculate%20Lead%20Concentration> on 5/3/04.

USACE, 1992. U.S. Army Corps of Engineers. Water Resources Policies and Authorities – Hazardous, Toxic and Radioactive Waste (HTRW) Guidance for Civil Works Projects, ER1165-2-132, June 1992.