Specifications, Proposal,
and Contract Documents for: **Set No. _____**

LOG BOOM PARK PEDESTRIAN BRIDGE PROJECT

PROJECT NO. 16-C1503

February 2016

City of Kenmore
18120 68th Avenue NE
PO Box 82607
Kenmore, Washington 98028-0607
Telephone (425) 398-8900

Specifications, Proposal,
and Contract Documents for: **Set No. _____**

LOG BOOM PARK PEDESTRIAN BRIDGE PROJECT

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February 2016

DARRELL CHRISTOPHER SMITH
STATE OF WASHINGTON
33807
REGISTERED
PROFESSIONAL ENGINEER

2-11-2016

Darrell C. Smith, PE
Perteet Inc.

Log Boom Park
Pedestrian Bridge Project

February 2016
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BIDDING REQUIREMENTS PROPOSAL AND DOCUMENTS

SECTION 1

ADVERTISEMENT FOR BIDS

Notice is hereby given that sealed Proposals will be received by the Kenmore City Clerk, or the Clerk's authorized representative, at Kenmore City Hall, 18120 68th Avenue NE, P.O. Box 82607, Kenmore, Washington, 98028-0607 until 10:00 a.m. on Tuesday, March 15, 2016 which shall also be the date, time, and place for the opening of Bids, for the project hereinafter referred to as:

Log Boom Park Pedestrian Bridge Project, Project No. 16-C1503

This Work includes construction of A fully engineered clear span bridge of welded steel and related concrete foundations, including removals and relocations, minor drainage improvements, erosion and water pollution control measures, plantings and other Work. This project is located in Section 11, Township 26 North, Range 4 East W.M. The estimated construction cost range for this project is $113,000 to $133,000 including sales tax.

The time limit for completion of the Work is a total of 50 WORKING DAYS in accordance with Special Provision Section 1-08.5.

Proposals are to be submitted only on the forms provided with this Project Manual. All Proposals must be accompanied by a Bid Proposal deposit in the form of a cashier's check, postal money order or Surety bond made payable to the City of Kenmore for a sum of not less than five (5%) percent of the total amount Bid, as indicated in the Instructions to Bidders. Incomplete Proposals and Proposals received after the time fixed for the opening cannot be considered. Oral, telephonic, telegraphic or faxed Proposals will not be accepted.

At the date, time, and place stated above for the opening of Bids, the Proposals will be publicly opened and read aloud. Until that time, the Bids shall be sealed and filed with the City Clerk. After the opening of the Bids, the original copy of every Bid Proposal will be filed with the City Clerk for retention; Bids are public records and are subject to disclosure in accordance with state law.

All Bidding shall be based upon compliance with the Plans and Project Manual. Substitutions will not be accepted during the Bid process. The City will not sell Bid packages. Plans, Specifications, and Addenda may be viewed and obtained online through the City's website at www.kenmorewa.gov/contractingandconsulting. The official Bidder's List will be maintained by the City. **To be considered a Plan holder and receive responses to Contractor's questions and any Addenda that may be required, e-mail the City contacts noted herein with a request to be included as a Plan holder**. Bid Documents for this project may also be reviewed at Kenmore City Hall, 18120 68th Avenue NE, Kenmore WA 98028. All questions in regards to this project shall be directed to Zack Richardson, PE, Project Manager, City of Kenmore at 425-398-8900 or zrichardson@kenmorewa.gov.

The City expressly reserves the right to reject any or all Bids, and the right to waive any informalities or irregularities in any Bid or in any Bidding and to further Award the project to the lowest, responsive, responsible Bidder whose Bid complies with all of the prescribed formalities, as it best serves the interest of the City. After the date and hour set for the opening of Bids, no Bidder may withdraw its Bid unless the Award of the Contract is delayed for a period exceeding sixty (60) calendar days following Bid opening. All Bidders agree to be bound by their Bids until the expiration of this stated time period.

The City of Kenmore in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, subtitle A, Office of the Secretary, Part 21, nondiscrimination in Federally assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all Bidders that it will affirmatively insure that in any Contract entered into pursuant to this advertisement, disadvantaged business enterprises as defined at 49 CFR Part 26 will be afforded full opportunity to submit Bids in response to this invitation and will not be discriminated against on the grounds of race, color, national origin, or sex in consideration for an Award.

_____

Lynn Suskin, City Clerk

Published: Seattle Times and Daily Journal of Commerce
Week 1: Tuesday, February 23, 2016
Week 2: Tuesday, March 1, 2016
Week 3: Tuesday, March 8, 2016

SECTION 2
INSTRUCTIONS TO BIDDERS

Contract section references included below refer to the 2016 WSDOT/APWA Standard Specifications for Road and Bridge Construction as modified by amendments and Special Provisions.

A ADDENDA

Refer to Section 1-02.13, item 2c of the Contract.

Receipt of Addenda to the Bid Specification/Documents by a Bidder must be acknowledged on the Bid Form. Failure to acknowledge receipt of any Addenda shall not relieve the Bidder from fulfilling all of the requirements of the Contract and may be considered an irregularity in the Proposal.

B ALTERATION OR MODIFICATION OF SPECIFICATIONS AND PLANS

No alteration or modification of the terms and conditions of these Specifications, Contracts and Plans will be binding unless outlined in detail in a separate written Addendum, and then only when properly signed and attested by the City of Kenmore [hereinafter "City"].

C AWARD AND EXECUTION OF CONTRACT

Refer to Sections 1-01.3, 1-02.14, 1-02.15, 1-03.1, 1-03.2, 1-03.3, and 1-08.5 of the Contract.

A Contract will not be awarded, if at all, until the City is satisfied that the successful Bidder is familiar with this type of Work and has the necessary capital and tools to satisfactorily complete the project. The competency and responsibility of Bidders as evidenced by the information accompanying the Bids, including without limitation the Statement of Bidder's Qualifications which will be subject to verification, will be considered in making the Award. The right is specifically reserved by the City to reject any or all Proposals, to re-advertise for new Proposals, to waive any informalities or irregularities in the Bidding or in a Bid, to revise or cancel the Work or require the Work to be done in another way if the best interest of the City is served. If Award is made, the City will Award the Contract at the prices named in the Bid to the lowest responsible, responsive Bidder. Award of the Contract, if Award is made, will be made by the issuance of a Notice of Award to the successful Bidder. Posting of the Notice of Award by regular mail to the successful Bidder by the City shall constitute delivery to the successful Bidder for the purpose of this Section.

The successful Bidder shall execute the Contract and meet the requirements of insurance as stated herein within ten (10) calendar days after the Award date. The successful Bidder shall also provide the required Performance and Payment Bond within ten (10) calendar days after the Award date.

Notice to Proceed will be given after the Contract has been executed and the bond and insurance have been approved by the City. The Contractor shall not commence with the Work until the Notice to Proceed has been given by the Project Engineer. The City intends that the Contractor will commence construction activities on the project site immediately after the issuance of the Notice to Proceed.

D BID ERRORS

Refer to Section 1-03.1 of the Contract.

A Bidder who wishes to claim error after the Bids have been opened and read shall promptly notify the City that an error occurred. The Bidder shall submit a notarized affidavit or declaration under penalty of perjury signed by the Bidder and accompanied by the worksheets used in the preparation of the Bid, requesting relief from the responsibilities of the Award. The affidavit or declaration shall describe the specific error(s) and certify that the worksheets are the ones used in the preparation of the Bid.

The affidavit or declaration shall be submitted no later than 5:00 p.m. local time on the first business day following the day of the Bid opening or the claim of error will not be considered. The City will review the affidavit or declaration and the certified worksheets to determine the validity of the claimed error and if the error is of the kind for which the law allows relief from forfeiture of the Bid deposit. If the City concurs in the claim of error and determines that the error is of the kind which allows relief from forfeiture, the Bidder will be relieved of responsibility and the Bid deposit of the Bidder will be returned. If the City does not concur in the error or determines that the error is not the kind for which the law allows relief, the City may Award the Contract and if the Bidder refuses to execute the Contract, the Bidder's Bid deposit shall be forfeited.

E BID FORM

Refer to Section 1-02.5 of the Contract.

No Bid shall be considered except those submitted on the official **Bid Schedule** contained within the Project Specifications. Bid Forms must be completed in ink (preferably black ink). The Bid Form shall contain an acknowledgement of receipt of all Addenda (the numbers of which shall be filled in on the Bid Form). The address to which communications regarding the Bid are to be directed must be shown. No oral, telephonic, facsimile, or telegraphic Bids or modifications will be accepted.

F BID PRICE

Refer to Sections 1-03.1, 1-03.2, and 1-04.1 of the Contract.

The Bid price shall include everything necessary for the prosecution and completion of the Contract including, but not limited to, furnishing all materials, equipment, tools, transportation, supplies, plant, and other facilities and all management, superintendent's, labor and service, except as may be provided otherwise in the Contract Documents. The offer shall remain in effect for sixty (60) calendar days after the Bid opening. In the event of a discrepancy between the unit price and the total price of any Bid item, the unit price will govern and the total price will be adjusted accordingly. Prospective Bidders should indicate in their Bid the address to which payment should be mailed, if such address is different from that shown for the Bidder.

G BID PROTEST

Bidders are notified that the City has adopted a Bid Protest and Appeal procedure which is set forth in the "City of Kenmore Purchasing and Contracting Policies and Procedures" dated October 2011, as amended. Copies of that document are on file with the City Clerk at Kenmore City Hall, 18120 68th Avenue NE, Kenmore, Washington.

H BID SECURITY

Refer to Section 1-02.7 and 1-03.3 of the contract.

All Proposals must be accompanied by a Bid Bond in the form as set forth in Section 6, a cashier's check on a solvent bank, or a postal money order payable to the City, in the sum of five percent (5%) of the total Bid amount. The bonding company shall be currently approved and be registered with the Washington State Insurance Commissioner, appear on the current Authorized Insurance List in the State of Washington published by the office of the Insurance Commissioner and be acceptable to the City. Said bond, certified check or postal money order will be held as a guarantee that the successful Bidder will, within ten (10) calendar days after the Award date, (1) return the signed Contract, (2) furnish approved Payment and Performance Bond, on the form enclosed herein in amounts equal to one hundred percent (100%) of the amount of the Contract, including state sales tax; and (3) furnish the Certificate of Insurance and other forms as required in Section 8 "Insurance." In case of refusal or failure to enter into said Contract and/or provide the required bond and proof of insurance coverage, endorsements and insurance coverage questionnaire within ten (10) calendar days after the Award date, the Bid Deposit shall be forfeited to the City in accordance with RCW 35.23.352. Upon the execution of the Contract and the approval on behalf of the City of the accompanying bond and insurance policies, or upon rejection of the Bid Proposals, the Bid Security Deposit will be returned to each Bidder.

I ESTIMATED QUANTITIES

Refer to Section 1-04.6 of the Contract.

The unit quantities shown in the Proposal form are estimates and are stated only for Bid comparison purposes. The City does not warrant, expressly or by implication that the actual quantities of Work will correspond with those estimates. Payment will be made on the basis

of the actual quantities of each item of Work completed in accordance with the Contract requirements.

J EXAMINATION OF SITE AND CONTRACT DOCUMENTS

Refer to Section 1-02.4 of the Contract.

Each Bidder shall carefully examine the Bid Documents. Submittal of a Bid shall be conclusive evidence that the Bidder has made these examinations and understands all requirements for the performance of the completed Work. The Bidder further warrants, agrees and acknowledges by submitting a Bid that it:

1. Has taken steps reasonably necessary to ascertain the nature and location of the Work;
2. Has investigated and satisfied itself as to the general and local conditions which can affect the Work or its cost, including but not limited to:
    a. Conditions bearing upon acquisition, transportation, disposal, handling, and storage of materials;
    b. The availability of labor, materials, water, electric power and roads;
    c. The uncertainties of weather, river stages or similar physical conditions at the site;
    d. The conformation and condition of the ground;
    e. The character of equipment and facilities needed preliminary to and during Work performance; and
    f. Site biological hazards and associated physical hazards.
3. Has satisfied itself as to the character, quality and quantity of surface and subsurface materials or obstacles to be encountered insofar as this information is reasonably ascertainable from an inspection of the Work site (including material sites) as well as from the Bid Documents and other information made a part of this Contract.
4. Has satisfied itself as to the adequacy of time allowed for the completion of the physical Work on the Contract.

Any failure of the Bidder to take the actions described and acknowledged in this Section shall not relieve the Bidder from responsibility for estimating properly the difficulty and cost of successfully performing the Work, or from proceeding to successfully perform the Work without additional expense to the City.

The Bidder agrees that the City shall not be liable to it on any claim for additional payment or additional time or any claim whatsoever if the claim directly or indirectly results from the Bidder's failure to investigate and familiarize itself sufficiently with the conditions under which the Contract is to be performed.

The Bidder shall be familiar and comply with all Federal, State, tribal, and local laws, ordinances and regulations which might affect those engaged in the Work. The City will not consider any plea of misunderstanding or ignorance of such requirements.

K INTERPRETATION OF CONTRACT DOCUMENTS

Refer to Section 1-02.4(1) of the Contract.

Any prospective Bidder desiring an explanation or interpretation of the Bid Documents, must request the explanation or interpretation in writing to the Engineer at least three (3) business days prior to the date and time for the opening of Bids. Oral explanations, interpretations, or instructions given by anyone before the Award of a Contract will not be binding on the City.

Any information given a prospective Bidder concerning any of the Bid Documents will be furnished to all prospective Bidders as an Addendum to the Bid Documents if that information is deemed by the City to be necessary in submitting Bids or if the City concludes that the lack of the information would be prejudicial to other prospective Bidders.

L IRREGULAR BIDS

Refer to Section 1-02.13 of the Contract.

M NON-COLLUSION AFFIDAVIT

Refer to Section 1-02.8(1) of the Contract.

All Bidders must complete and fully execute the attached non-collusion affidavit as part of their Bids. Bids returned without a completed affidavit will be declared nonresponsive.

N PAYMENT AND PERFORMANCE BOND AND INSURANCE

Refer to Section 1-03.4 of the Contract.

The Contractor shall furnish and pay for the insurance specified in Section 8 and, in addition, furnish and pay for a Performance and Payment Bond each in the full amount of the Contract price, including sales tax, which shall guarantee, respectively, the payment of all materials, provisions, provender or other supplies or labor used in, upon, for or about the performance of the Work contracted to be done, and the faithful performance of the Contract. The Performance and Payment Bond shall remain in effect for a minimum of one (1) year after acceptance by the City, as respects faulty workmanship and materials. The Contractor shall furnish bond and insurance in such form as the City may prescribe and with Surety companies acceptable to the City. At a minimum, Surety companies executing bonds must appear on the most current revision to the U.S. Treasury Circular 570, must appear on the current Authorized Insurance List in the State of Washington published by the Office of the Insurance Commissioner, be registered with the Washington State Insurance Commissioner and be authorized to transact business in the State of Washington. Said bond and insurance shall be delivered to the City within ten (10) calendar days after the Award date. In case of the failure to timely deliver the bond and insurance, the Bid Security Deposit shall be forfeited to the City in accordance with RCW 35.23.352.

O PAYMENT FOR WORK

See Section 1-09.9 of the Contract.

The basis of payment will be the actual quantities of Work performed according to the Contract and as specified for payment. Progress payments for completed Work and material on hand will be based upon progress estimates prepared by the Engineer. The initial progress estimate will be made not later than thirty (30) calendar days after the Contractor commences the Work, and successive progress estimates will be made every month thereafter until the Completion Date. The Contractor will be responsible for providing all payment documentation as required per the Specifications. All progress payments shall be approved by the City prior to actual payment.

P PREVAILING WAGES

See Section 1-07.9 of the Contract.

Q REJECTION OF BIDS

Refer to Section 1-02.13 of the Contract.

R SIGNATURE

Refer to Section 1-02.6 of the Contract.

Each Bid must be signed by the Bidder, with the Bidder's usual signature. Bids by partnerships must be executed in the partnership name by an authorized partner. Bids by corporations must be executed in the corporate name by the President or a Vice President (or other corporate officer accompanied by evidence of authority to sign). Bids by limited liability companies must be executed in the company name, state the name of all members, and be signed by a managing member whose title must appear under the signature. The official address of the individual, corporation, partnership or limited liability company must be shown below the signature. Note: Any correction to a Bid made by interlineation, alteration or erasure shall be initialed by the person signing the Bid.

S SUBMISSION OF BIDS

Refer to Section 1-02.9 of the Contract.

It is required that for Bids or revisions to Bids to receive consideration, they must be returned to the Office of the Kenmore City Clerk, 18120 68th Avenue NE, P.O. Box 82607, Kenmore, Washington 98028-0607 prior to the specified date and time scheduled for the opening of Bids, in a sealed envelope, clearly marked with the project name, the project number, the Bidder's name, address, and telephone number. Mailed Bids must be received prior to the date and time scheduled for the opening of Bids. All Bids must be accompanied by the Bid Security Deposit and all other required documents. It is solely the responsibility of the Bidder to see that its Bid or revision is received in proper time. Any Bid or revision of a Bid received after the scheduled time and date specified for the opening of Bids, regardless of cause, will not be considered.

T STATEMENT OF QUALIFICATIONS

Each Bidder shall provide a completed Statement of Bidder's Qualifications in the form set forth in Section 4 herein. Said form shall be completed in ink and shall be provided with the Bid.

U SUBCONTRACTORS

Refer to Sections 1-02.6 and 1-08.1 of the Contract.

For Contracts that are expected to cost one million dollars ($1,000,000) or more, the Bidder shall submit as part of the Bid, or within one (1) hour after the published Bid submittal time, the names of the Subcontractors with whom the Bidder, if awarded the Contract, will subcontract for performance of the Work of HVAC (heating, ventilation and air conditioning), plumbing (RCW, Chapter 18.106) and electrical (RCW, Chapter 19.28) or to name itself for the Work. The Bidder shall not list more than one (1) Subcontractor for each category of Work identified, unless Subcontractors vary with Bid alternates, in which case the Bidder must indicate which Subcontractor will be used for which alternate. Failure of the Bidder to submit as part of the Bid the names of such Subcontractors or to name itself to perform such Work or the naming of two (2) or more Subcontractors to perform the same Work shall render the Bidder's Bid nonresponsive and, therefore, void.

V TAXES

Refer to Section 1-07.2 of the Contract.

W WITHDRAWAL OR REVISION OF BIDS

Refer to Section 1-02.10 of the Contract.

After submitting a Bid Proposal to the City, the Bidder may withdraw it or revise it if the Bidder submits a written request signed by an authorized person and the City receives the request before the time for opening Bids. The original Bid Proposal may be revised and resubmitted as the official Bid Proposal if the City receives it before the date and time for opening Bids.

SECTION 3

BID FORM

CITY OF KENMORE
LOG BOOM PARK PEDESTRIAN BRIDGE PROJECT

To the City Clerk
Kenmore, Washington

The undersigned hereby certify(ies) that we have personally examined the location and construction details of Work as outlined in the Plans and Specification for **Log Boom Park Pedestrian Bridge Project, Project No. 16-C1503**, and have read and thoroughly understand the Plans and Specifications and Contract governing the Work included in this improvement and the method by which payment will be made for said Work and hereby propose to undertake and complete the Work included in this improvement in accordance with said Plans, Specifications, and Contract at the attached schedule of rates and unit prices.

A. BID SCHEDULE

SCHEDULE A						
Item No.	Spec Section	Item Description	Unit	Quantity	Unit Cost	Amount
DIVISION 1 – General Requirements						
1	1-04.4(1)	Unexpected Site Changes	EST	1	$2,000	$2,000
2	1-05.4SP	Construction Surveying	LS	1		
3	1-09.7	Mobilization	LS	1		
DIVISION 2 – Earthwork						
4	2-01SP	Clearing and Grubbing	LS	1		
5	2-02SP	Removal of Structure and Obstruction	LS	1		
6	2-02SP	Saw Cutting	LF	30		
7	2-03	Roadway Excavation Incl. Haul	CY	15		
8	2-03	Gravel Borrow Incl. Haul	TON	10		
DIVISION 4 – Bases						
9	4-04	Crushed Surfacing Top Course	TON	10		

SCHEDULE A						
Item No.	Spec Section	Item Description	Unit	Quantity	Unit Cost	Amount
DIVISION 6 – Structures						
10	6-20SP	Log Boom Park Pedestrian Bridge	LS	1		
DIVISION 7 – Drainage Structures, Storm Sewers, Sanitary Sewers, Water Mains and Conduits						
11	7-01SP	Area Drain, 12 In. Square	EA	1		
12	7-01SP	Round River Rock Drain	LF	15		
13	7-04SP	Solid Wall PVC Storm Sewer Pipe 4 In. Diam.	LF	30		
DIVISION 8 – Miscellaneous Construction						
14	8-01	Silt Fence	LF	145		
15	8-01SP	Erosion/Water Pollution Control	LS	1		
16	8-02SP	Topsoil Type A	CY	2		
17	8-02SP	Arborist Mulch	CY	5		
18	8-02	PSIPE Cornus Sericea / Red-Osier Dogwood (1 Gal.)	EA	6		
19	8-02	PSIPE Holodiscus Discolor / Ocean Spray (1 Gal.)	EA	1		
20	8-02	PSIPE Mahonia Aquifolium / Oregon Grape (1 Gal.)	EA	6		
21	8-02	PSIPE Physocarpus Capitatus / Pacific Ninebark (1 Gal.)	EA	3		
22	8-02	PSIPE Rosa Pisocarpa / Clustered Wild Rose (1 Gal.)	EA	9		
23	8-02	PSIPE Sambucus Racemosa / Red Elderberry (1 Gal.)	EA	1		
24	8-02	PSIPE Symphoricarpos Albus / Snowberry (1 Gal.)	EA	10		
25	8-02	PSIPE Willow Cutting (1/2" – 1" Dia., 4' Tall)	EA	30		
26	8-02SP	Remove Unwanted Vegetation	LS	1		
27	8-02SP	Relocate Existing Riparian Plants	LS	1		

SCHEDULE A						
Item No.	Spec Section	Item Description	Unit	Quantity	Unit Cost	Amount
28	8-03SP	Irrigation System	EST	1	$1,000	$1,000
29	8-05SP	Pedestrian Handrailing	LF	70		
30	8-12SP	Temporary Chain Link Fence	LF	97		
31	8-14	Cement Conc. Sidewalk	SY	40		
				TOTAL		

TOTAL BID _____

(Figures)

TOTAL BID _____

(Words)

B. SALES TAX

The above Bid includes State of Washington or local sales tax, pursuant to the requirements of Rule 171 of the Department of Revenue.

C. RECEIPT OF ADDENDA

Receipt of the following Addenda to the Contract Documents is hereby acknowledged:

Addendum No.	**Date of Receipt of Addendum**	**Signed Acknowledgment**
1		
2		
3		
4		

D. BIDDER'S ADDRESS

All notices or requests for additional information should be addressed to the undersigned at the address stated below.

E. COMMENCE WORK

If awarded the Contract, the undersigned agrees to complete all the Work as specified for **LOG BOOM PARK PEDESTRIAN BRIDGE PROJECT** within **50 WORKING DAYS** in accordance with Special Provision Section 1-08.5 after the indicated starting date appearing in an official "Notice to Proceed" issued by the City.

F. LIQUIDATED DAMAGES

The undersigned fully understands and agrees to the provisions of the Project Manual, and, if awarded the Contract, herewith further agrees that the liquidated damages shall be paid per day for each and every working day required beyond the above stated construction time allowed to complete this project, in accordance with Section 1-08.9 of the Contract.

G. BIDDER'S STATE OF WASHINGTON CONTRACTOR'S REGISTRATION NUMBER

_____

H. BIDDER'S BUSINESS LICENSE NUMBER _____

I. BIDDER'S SIGNATURE

_____

Bidder's Name (Printed)

By: _____ Date: _____
(Signature)

Signed By (Printed): _____

Title: _____

Address: _____

Telephone Number: _____

SECTION 4

STATEMENT OF BIDDER'S QUALIFICATIONS

A **Description.** The Statement of Bidder's Qualifications is to be completed by the Bidder and provided as part of the Bid submission.

B **Statement of Bidder's Qualifications Form**.

Name of Bidder: _____

Address: _____

Telephone No.: (_____) _____

Fax No.: _____

Contact Person/Telephone Number for this project: _____

Number of years the Contractor has been engaged in the construction business under the present name, as indicated above:

_____

List five (5) major projects of a similar nature that have been completed by the Contractor within the last ten (10) years with the gross dollar amount of each project.

Project Name	Amount	Owner	Phone #

Bank References:

_____

_____

_____

List five (5) major pieces of equipment which are anticipated to be used on this project by the Contractor and note which items are owned by the Contractor and which are to be leased or rented from others:

Equipment	Brand/Model Number/Size	Owned/Rented/Leased

Have you changed bonding companies within the last three (3) years? If yes, state reason.

_____

_____

Have you ever been sued by the client or have you ever sued the client on any Public Works Contract for a special district, municipality, county or state government?

_____

If so, name the agencies and reasons therefore _____

_____

Status of case or, if completed, disposition of case _____

_____

Do you have any outstanding payments due to the Department of Revenue?

_____

Bidder agrees that the City shall retain the right to obtain any and all credit reports?

(_____) _____
Yes Signature Title Date

The undersigned's Washington State Department of Labor & Industries' Workmen's Compensation Account Number is _____.

The undersigned's IRS Employer Identification Number or, if an individual, social security number is _____.

The undersigned has complied with the Washington State Department of Labor and Industries' requirements for bond, proof of insurance, and annual registration fee; and the undersigned's Washington State Department of Labor and Industries' Contractors' Registration Number is _____.

_____
Bidder' Name (Printed)

By: _____ Date: _____
(Signature)

Please Print Name: _____

Title: _____

SECTION 5

LIST OF SUBCONTRACTORS

A Description. For Contracts that are expected to cost one million dollars ($1,000,000) or more, the Bidder shall submit as part of the Bid, or within one (1) hour after the published Bid submittal time, the names of the Subcontractors with whom the Bidder, if awarded the Contract, will subcontract for performance of the Work of HVAC (heating, ventilation and air conditioning), plumbing (RCW, Chapter 18.106) and electrical (RCW, Chapter 19.28) or to name itself for the Work. The Bidder shall not list more than one (1) Subcontractor for each category of Work identified, unless Subcontractors vary with Bid alternates, in which case the Bidder must indicate which Subcontractor will be used for which alternate. Failure of the Bidder to submit as part of the Bid the names of such Subcontractors or to name itself to perform such Work or the naming of two (2) or more Subcontractors to perform the same Work shall render the Bidder's Bid nonresponsive and, therefore, void.

B List of Subcontractors Form.

Category of Work	Subcontractor's Name	Subcontractor's Address	Attach Statement of Subcontractor's Qualifications

Use additional sheets as necessary. The Bidder acknowledges that all HVAC, plumbing and electrical work not identified above shall be performed by the Bidder, and that the Bidder must furnish and install, with its own forces, Work amounting to at least thirty percent (30%) of the total Bid amount for this project.

SECTION 6

FORM OF BID PROPOSAL DEPOSIT STATEMENT AND BOND

A. **Description.** This Section contains the Bid Proposal Deposit Statement, and a Bid Bond Form to be used if the Bidder' Bid deposit is a Surety bond. Refer to the Instructions to Bidders for specific requirements.

B. **Form of Bid Proposal Deposit Statement.**

Project No. ____________

Herewith find deposit in the form of _________________________________ (state whether cashier's check, postal money order or Surety bond), for the amount of $__________________, which amount is not less than five percent (5%) of the total amount of the Bid.

Principal: ____________________________ Date: ______________________________

By:_____________________________________

(Signature)

Please Print Name:_________________________________

Title: ________________________________

- -

C. **Bid Bond Form**

Project Number: ________________

KNOW ALL MEN BY THESE PRESENTS:

That we, ________________________ (Bidder), as Principal, and _________________ (Bonding Company), as Surety, are held and firmly bound unto the City and the Kenmore City Council (Owner), as Obligee, in the penal sum of ___________________________________ Dollars, lawful money of the United States, for the payment of which unto Obligee the Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, by these presents.

WHEREAS, Principal is submitting a Bid for the **LOG BOOM PARK PEDESTRIAN BRIDGE PROJECT**.

NOW, THEREFORE, the condition of this obligation is such that if Principal is awarded a Contract for the Work, and if Principal within the time specified in the Bid and Contract Documents enters into, executes and delivers to Obligee a signed agreement and the performance and payment bond (Section 10), with Surety or Sureties approved by Obligee, and appropriate insurance certificates, with required endorsements and insurance coverage questionnaire, as required herein (Section 8) in the forms provided herewith, then this obligation shall be void. If, however, Principal fails or refuses to furnish, execute and deliver to Obligee said agreement, performance and payment bond and/or certificates of insurance, with required endorsements and insurance coverage questionnaire, in the time stated in the Bid and Contract Documents, then Principal and Surety shall pay and forfeit to Obligee the penal sum hereof.

AND IT IS HEREBY DECLARED AND AGREED that Surety shall be liable under this obligation as Principal and that nothing of any kind or nature whatsoever that will not discharge Principal shall operate as a discharge or release of liability of Surety.

AND IT IS HEREBY FURTHER DECLARED AND AGREED that this obligation shall be binding upon and inure to the benefit of Principal, Surety and Obligee and their respective heirs, administrators, executors, successors and assigns.

SIGNED, SEALED AND DATED THIS _____ DAY OF _____, 20___.

_____	_____
Principal	Surety
By: _____	By: _____
Title: _____	Attorney-in Fact, Surety
	_____
	Surety's Mailing Address
	_____
	Surety's Telephone and Fax Numbers

A notarized power of attorney for the Surety's officer empowered to sign the bond must be attached to the bond.

SECTION 7

NON-COLLUSION AFFIDAVIT

A. Description. The Section is the Non-Collusion Affidavit which is required to be completed and submitted as part of the Bidder's Bid.

B. Non-Collusion Affidavit Form
(This Affidavit to be fully executed)

STATE OF _____)
)ss
COUNTY OF _____)

_____,
affiant,

the_____
(President, Secretary, Manager, Firm Owner, or Representative)

of_____
(Name of Company or Corporation or Firm)

the person, corporation or company who makes the accompanying Proposal, having first been duly sworn on his/her oath, deposes and says:

That the Bid herewith submitted for the City **LOG BOOM PARK PEDESTRIAN BRIDGE PROJECT** is a genuine and not a sham or collusive Bid, nor made in the interest or on behalf of any person not therein named, and that the Bidder has not directly or indirectly induced or solicited any other Bidder on the above Work to put in a sham Bid, or any other person, firm, or corporation to refrain from Bidding, and that the Bidder has not in any manner sought by collusion to secure for itself an advantage over any other Bidder or Bidders.

_____
Contractor

Subscribed and sworn to before me this _____ day of _____, 20___.

_____
Notary Public in and for the State of Washington

Residing at _____

Commission Expires _____

SECTION 8

INSURANCE

A **Description.** The Contractor, if awarded the Contract, shall not commence any Work until it has obtained, at its own expense, all insurance including the insurance required under Section 1-07.18 of the Special Provisions.

B **Required Forms.** In this Section are set forth the forms which must be submitted by the successful Bidder, including the following:

- Certificate of Liability Insurance
- Additional Insureds Endorsements
- Designated Construction Project(s) General Aggregate Limit Endorsement
- Insurance Coverage Questionnaire

Sample forms can be found in the Appendices of these Contract Documents.

SECTION 9

CONTRACT

A Description. This Section is the Form of Contract, which is required to be completed by the successful Bidder. Do not execute this form as part of the Bid submission.

B Contract Agreement Form.
THIS AGREEMENT, made the ____ day of _____, 20___, by and between The City of Kenmore (hereinafter referred to as the "City" and the "Contracting Agency") and _____ hereinafter called CONTRACTOR.

WITNESSETH:

WHEREAS, the City has caused the Project Manual, Specifications, Drawings and other Contract Documents to be prepared for certain Work as described therein, known as **LOG BOOM PARK PEDESTRIAN BRIDGE PROJECT, Project No. 16-C1503**, and

WHEREAS, the CONTRACTOR has offered to perform the proposed Work in accordance with the terms of the Contract including but not limited to this Form of Contract, and

NOW, THEREFORE, in consideration of the mutual covenants and agreements of the parties herein contained and to be performed, the CONTRACTOR hereby agrees that the foregoing recitals are true and correct and are incorporated into this Contract and to complete the Work at the price and on the terms and conditions herein contained. The Contracting Agency agrees to pay the CONTRACTOR the Contract price provided in this Contract for the fulfillment of the Work and the performance of the covenants set forth herein.

The further terms, conditions and covenants of this Contract are set forth in the following documents, all of which are component parts of this Contract as if set out in full, and if not attached, as if hereto attached:

1. This Contract Document
2. Washington State Department of Transportation, Standard Specifications, 2016 (sometimes referred to as the "Standard Specification")
3. Amendments to the Standard Specifications
4. Special Provisions
5. Prevailing Wage Schedules and Regulations
6. Specifications, Drawings, Details, and all other Documents contained in and made applicable by this Contract and the Project Manual
7. All Plans, Drawings, Specifications, and Addenda issued prior to the Bid Opening Date.

CONTRACTING AGENCY and CONTRACTOR recognize that time is of the essence of this Contract and that CONTRACTING AGENCY will suffer financial loss if the Work is not completed within the time specified in this Contract. Therefore the parties agree that the liquidated

damages provisions of the Standard Specifications as modified herein shall apply and that those provisions have been mutually negotiated.

Contractor's Initials: _____

CONTRACTOR hereby warrants and represents it has reviewed the terms and conditions of this Contract, all Addenda, and the Standard Specifications as modified by the Amendments and Special Provisions and all other Documents contained in the Project Manual and incorporated herein by reference. CONTRACTOR has specifically reviewed and provided for the provision of a ONE YEAR GUARANTEE of its Work as required by the Special Provisions.

CONTACTOR AGREES TO RETURN THIS EXECUTED CONTRACT AND OTHER REQUIRED DOCUMENTS TO THE CONTRACTING AGENCY as required by the Standard Specifications as modified herein, and to return the DECLARATION OF OPTION OF MANAGEMENT OF STATUTORY RETAINED PERCENTAGE AT THE SAME TIME.

IN WITNESS WHEREOF, this Agreement has been executed in quintuplicate, on the day and year above written.

CITY OF KENMORE ("CONTRACTING AGENCY")

_____

By: _____

Title:_____

CONTRACTOR:

_____

By: _____

Title: _____

SECTION 10

PERFORMANCE AND PAYMENT BOND

A Description. This Section is the Performance and Payment Bond Form, which is required to be completed by the successful Bidder. Do not execute this form as part of the Bid submission.

B Performance and Payment Bond Form.

KNOW ALL PEOPLE BY THESE PRESENTS: BOND NO.:_____
That we, _____, the CONTRACTOR, herein referred to as PRINCIPAL, and _____, as SURETY, are held and firmly bound unto THE CITY OF KENMORE (hereinafter the "OWNER") in the full sum of _____ dollars ($ _____), Lawful money of the United States, for the payment of which, well and truly to be made, we bind ourselves, our heirs, executors and administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITIONS of this obligation are such that, whereas, the Principal has entered into an agreement in writing with the OWNER, dated _____20___, for the construction the **LOG BOOM PARK PEDESTRIAN BRIDGE PROJECT, PROJECT NO. 16-C1503** according to the terms, conditions and covenants specified in the agreement including all of the Contract Documents therein referred to, which are hereby referred to and made a part hereof as fully and completely as though set forth in detail herein, and

WHEREAS, it is understood and made a part of the consideration for this obligation that the OWNER shall have the right to sue on this bond in its own name to recover for any loss, injury, damage or liability whatsoever sustained or incurred by it by reason of any breach of the Contract Documents, or of any provision in this bond, in the same manner and to the same extent as though this obligation ran directly to the OWNER.

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform all of the provisions and fulfill all of the undertakings, covenants, terms, conditions and agreements of said Contract during the period of the original Contract and any extensions thereof that may be granted by the OWNER, with or without notice to the Surety; and during the life of any guaranty required under the Contract; and shall also well and truly perform and fulfill all of the undertakings, covenants, terms and conditions and agreements of any and all duly authorized modifications of said Contract that may hereinafter be made; notice of which modifications to the Surety being hereby waived; and furthermore shall pay all persons laborers, mechanics, and Subcontractors and material men, and all persons who shall supply such person or persons and such Principal or Subcontractors with provisions and supplies for the carrying on of such Work, shall indemnify and save harmless OWNER from all cost and damage by reason of the Principal's default or failure to do so, and shall pay the State of Washington sales and use taxes, and amounts due said State pursuant to Titles 50 and 51 of the Revised Code of Washington; and shall further indemnify against defects in the workmanship or materials entering into any part of the Work as defined in the agreement, then this obligation shall be null and void, otherwise to remain in full force and effect; provided, that the

provisions of this bond shall not apply to any money loaned or advanced to the Principal or any Subcontractor or other person in the performance of any such Work.

IT IS FURTHER DECLARED AND AGREED that nothing of any kind or nature whatsoever that will not discharge the Principal shall operate as a discharge or release of liability of the Surety, any law, rule of equity or usage relating to the liability of sureties to the contrary notwithstanding. And the Surety hereby further stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Agreement, the Work to be performed thereunder or the project Specifications shall in any way affect its obligation on this Bond, and the Surety hereby waives notice of any change, extension of time, alteration or addition to the terms of the Agreement, the Work or the project Specifications. Surety shall supply a Power of Attorney stating verifying the authority of the person(s) executing this Bond on behalf of the Surety.

Sealed and dated this _____ day of _____, 20___.

_____
PRINCIPAL

By: _____
(Print Name)

Signature: _____

Title: _____

_____
SURETY

By: _____
(Print Name)

Signature:_____

Title:_____

Address:_____

_____

Attachments: Surety Power of Attorney

SECTION 11

NOTICE OF CONTRACT AWARD

A Description. This Section is the Notice of Contract Award, which will be sent to the successful Bidder. This form is provided as a sample and shall not be completed by the Bidder.

B NOTICE OF CONTRACT AWARD

CITY OF KENMORE
LOG BOOM PARK PEDESTRIAN BRIDGE PROJECT
PROJECT NO. 16-C1503

Date

TO: Contractor

VIA MAIL AND FAX # (___) _____

Dear Bidder:

This is to notify your Bid has been accepted by the CITY OF KENMORE for the following project:

LOG BOOM PARK PEDESTRIAN BRIDGE PROJECT
PROJECT NO. 16-C1503

Please return five (5) fully executed Contract Forms within ten (10) working days from the date of this Notice together with the Certificate of liability insurance, insurance coverage questionnaire and the required endorsements, the Payment and Performance Bond and the Declaration For Management of Statutory Retained Percentage. You should submit all other documents and submittals when and as required by the Contract Documents. This Notice does not alter or modify any of the terms of the Contract or other Contract Documents. Should you have any questions in this regard please contact the City at (425) 398-8900. Congratulations.

Sincerely,

Kris Overleese, PE
City Engineer

SECTION 12

DECLARATION OF OPTION FOR MANAGEMENT OF STATUTORY RETAINED PERCENTAGE

A **Description.** This Section is the Declaration of Option for Management of Statutory Retained Percentage, which is required to be completed by the successful Bidder. Do not execute the Declaration of Option for Management of Statutory Retained Percentage as part of the Bid submission.

B **Declaration of Option for Management of Statutory Retained Percentage Form.**

1. I hereby elect to have the retained percentage of this Contract held in a fund by the City until final acceptance of the Work and all required releases are obtained, in accordance with RCW Chapter 60.28.

   Signed: _____ Date: _____

2. I hereby elect to have the City deposit the retained percentage of this Contract in an interest bearing account in a bank, mutual savings bank or savings and loan association in accordance with RCW, Chapter 60.28.

   I hereby designate _____ as the repository for the escrow of said funds.

   I hereby further agree to be fully responsible for payment of all costs or fees incurred as a result of placing the said retained percentage in escrow as authorized by statute. The City shall not be liable in any way for any costs or fees in connection therewith.

   Signed: _____ Date: _____

3. I hereby elect to have the City place the retained percentage of this Contract in escrow with a bank or trust company. When the moneys reserved are placed in escrow, the City shall issue a check representing the sum of the moneys reserved payable to the bank or trust company and the Contractor jointly. This check shall be converted into bonds and securities chosen by the Contractor and approved by the City, and the bonds and securities shall be held in escrow, in accordance with RCW, Chapter 60.28.

   I hereby designate _____ as the repository for the escrow of said funds.

I hereby further agree to be fully responsible for payment of all costs or fees incurred as a result of placing said retained percentage in escrow and investing it as authorized by statute. The City shall not be liable in any way for any costs or fees in connection therewith.

Signed: _____ Date: _____

Contractor's Name and Address: _____

_____

_____

_____

Telephone: (_____) _____ - _____

Federal Tax Identification Number: _____

_____
Contractor

By: _____ Date: _____
(Signature)

Title: _____

SECTION 13

RETAINAGE RELEASE REQUIREMENTS

DOCUMENTS REQUIRED TO BE ON FILE PRIOR TO RELEASE OF RETAINAGE:

A. Intent to Pay Prevailing Wage (Contractor generates)

Department of Labor/Industries
Employment Standards Division
General Administration Building
Olympia, Washington 98504
(360) 956-5335

B. Notice of Completion of Public Works Contract (City generates)

Department of Revenue
Excise Tax Division
Olympia, Washington 98504

C. Affidavit of Wages Paid (Contractor generates)

Department of Labor/Industries

D. Certificate of Release - State Excise Tax by Public Works Contractor (Letter from State to City)

Department of Revenue

E. Receipt for Payment in full or Release of Lien signed by Lien Claimant and filed with City (Responsibility of Contractor to obtain)

Claims against retainage or Payment Bond filed with City by any such Subcontractor, workman, or material supplier.

SECTION 14

BIDDER'S CHECKLIST

The Bidder's attention is especially called to the following forms that must be completed in full and submitted collectively as the Bid Proposal package.

□ **Bid Schedules** (Section 3) must be completed and signed, and the Receipt of Addenda acknowledged.

□ **Statement of Bidder's Qualifications** (Section 4) must be completed and signed.

□ **List of Subcontractors** (Section 5) must be submitted as part of the Bid or within one (1) hour after the published Bid submittal time, if required.

□ **Bid Proposal Deposit Statement and cashier's check, postal money order or Bid Bond** (Section 6) in an amount not less than five percent (5%) of the total amount of the Bid. A notarized power of attorney for the Surety's officer empowered to sign the bond must be attached to the bond.

□ **Non-Collusion Affidavit** (Section 7) must be completed, signed and notarized.

CONTRACT EXECUTION CHECKLIST

The successful Bidder shall execute and submit to the City the following Contract forms within ten (10) calendar days after the Award date.

□ **Evidence of Insurance** (Section 8) must be provided, including a certificate of liability insurance, insurance coverage questionnaire and the required endorsements.

□ **Contract** (Section 9) must be signed.

□ **Performance and Payment Bond** (Section 10) must be executed by the successful Bidder and the Bidder's Surety company. A notarized power of attorney for the Surety's officer empowered to sign the bond must be attached to the bond.

□ **Declaration of Option for Management of Statutory Retained Percentage** (Section 12) must be completed and signed.

AMENDMENTS TO THE STANDARD SPECIFICATIONS

INTRODUCTION

The following Amendments and Special Provisions shall be used in conjunction with the 2016 Standard Specifications for Road, Bridge, and Municipal Construction.

AMENDMENTS TO THE STANDARD SPECIFICATIONS

The following Amendments to the Standard Specifications are made a part of this Contract and supersede any conflicting provisions of the Standard Specifications. For informational purposes, the date following each Amendment title indicates the implementation date of the Amendment or the latest date of revision.

Each Amendment contains all current revisions to the applicable section of the Standard Specifications and may include references which do not apply to this particular project.

Section 1-06, Control of Material
January 4, 2016

This Section is supplemented with the following new section and subsections:

1-06.6 Recycled Materials

The Contractor shall make their best effort to utilize recycled materials in the construction of the project; the use of recycled concrete aggregate as specified in Section 1-06.6(1)A is a requirement of the Contract.

The Contractor shall submit a Recycled Material Utilization Plan as a Type 1 Working Drawing within 30 calendar days after the Contract is executed. The Plan shall provide the Contractor's anticipated usage of recycled materials for meeting the requirements of these Specifications. The quantity of recycled materials will be provided in tons and as a percentage of the Plan quantity for each material listed in Section 9-03.21(1)E Table on Maximum Allowable Percent (By Weight) of Recycled Material. When a Contract does not include Work that requires the use of a material that is included in the requirements for using materials the Contractor may state in their Plan that no recycled materials are proposed for use.

Prior to Physical Completion the Contractor shall report the quantity of recycled materials that were utilized in the construction of the project for each of the items listed in Section 9-03.21. The report shall include hot mix asphalt, recycled concrete aggregate, recycled glass, steel furnace slag and other recycled materials (e.g. utilization of on-site material and aggregates from concrete returned to the supplier). The Contractor's report shall be provided on DOT Form 350-075 Recycled Materials Reporting.

1-06.6(1) Recycling of Aggregate and Concrete Materials

1-06.6(1)A General

The minimum quantity of recycled concrete aggregate shall be 25 percent of the total quantity of aggregate that is incorporated into the Contract for those items listed in Section 9-03.21(1)E Table on Maximum Allowable Percent (By Weight) of Recycled Material that allow the use of recycled concrete aggregate. The percentage of recycled material incorporated into the project for meeting the required percentage will be calculated in tons

based on the quantity of recycled concrete used on the entire Contract and not as individual items.

If the Contractor's total cost for Work with recycled concrete aggregate is greater than without the Contractor may choose to not use recycled concrete aggregate. When the Contractor does not meet the minimum requirement of 25 percent recycled concrete aggregate for the Contract due to costs or any other reason the following shall be submitted:

1. A cost estimate for each material listed in Section 9-03.21(1)E that is utilized on the Contract. The cost estimate shall include the following:

    a. The estimated costs for the Work for each material with 25 percent recycled concrete aggregate. The cost estimate shall include for each material a copy of the price quote from the supplier with the lowest total cost for the Work.

    b. The estimated costs for the Work for each material without recycled concrete aggregate.

The Contractor's cost estimates shall be submitted as an attachment to the Recycled Materials Reporting form.

Section 1-07, Legal Relations and Responsibilities to the Public
January 4, 2016

1-07.1 Laws to be Observed

In the second to last sentence of the third paragraph, "WSDOT" is revised to read "Contracting Agency".

Section 1-08, Prosecution and Progress
January 4, 2016

1-08.1(1) Prompt Payment, Subcontract Completion and Return of Retainage Withheld

In item number 5 of the first paragraph, "WSDOT" is revised to read "Contracting Agency".

Section 5-02, Bituminous Surface Treatment
January 4, 2016

5-02.3(2) Preparation of Roadway Surface

This Section is supplemented with the following new subsection:

5-02.3(2)E Crack Sealing

Where shown in the Plans, seal cracks and joints in the pavement in accordance with Section 5-04.3(5)C.

Section 5-04, Hot Mix Asphalt
January 4, 2016

5-04.2 Materials

The first paragraph is supplemented with the following new items:

Hot Poured Sealant	9-04.2(1)A
Sand Slurry	9-04.2(1)B

This Section is supplemented with the following new paragraph:

The requirements of Section 1-06.6 do not apply to the Portland cement and fine aggregate used in sand slurry.

5-04.3(5)C Crack Sealing

This Section's content is deleted and replaced with the following new subsections:

5-04.3(5)C1 General

When the Proposal includes a pay item for crack sealing, all cracks and joints ¼ inch in width and greater shall be sealed. Cracks and joints shall be thoroughly clean, dry and free of all loose and foreign material when filled with crack sealant material. Immediately prior to filling a crack or joint with the sealant material a hot air lance shall be used to dry and warm the pavement surfaces within the crack or joint. Pavement shall not be overheated and direct flame dryers shall not be used. Routing cracks and joints is not required.

Where cracks and joints are to be filled with sand slurry thoroughly mix the components and pour the mixture into the cracks and joints until full. Additional CSS-1 emulsified asphalt may be added to the sand slurry as needed for the mixture to be workable to completely fill the crack or joint. Strike off the sand slurry flush with the existing pavement surface and allow the mixture to cure. Cracks or joints that were not completely filled shall be topped off with additional sand slurry. Do not place the HMA overlay until the slurry has fully cured.

Where cracks and joints are to be filled with hot poured sealant the material shall be applied in accordance with these requirements and the manufacturer's recommendations. The manufacturer's recommendations shall be furnished to the Engineer prior to the start of Work and shall include recommended heating time and temperatures, allowable storage time and temperatures after initial heating, allowable reheating criteria, and application temperature range.

Crack sealing with hot poured sealants shall be controlled to confine the material within the crack or joint. Any overflow of sealant shall be cleaned from the pavement surface. If, in the opinion of the Engineer, the Contractor's method of sealing the cracks and joints with hot poured sealant results in an excessive amount of material on the pavement surface, the operation shall be stopped and corrected to eliminate the excess material.

5-04.3(5)C2 Crack Sealing Areas Prior to Paving

In areas where HMA will be placed the cracks and joints shall be filled with sand slurry.

5-04.3(5)C3 Crack Sealing Areas Not to be Paved

In areas where HMA will not be placed the cracks and joints shall be filled as follows:

1. Cracks ¼ inch to 1 inch in width shall be filled with hot poured sealant.

2. Cracks and joints greater than 1 inch in width shall be filled with sand slurry.

5-04.3(5)C4 Crack Sealing Areas Prior to a Bituminous Surface Treatment

In areas where a BST will be placed the cracks and joints shall be filled per Section 5-04.3(5)C3.

5-04.4 Measurement

The following new paragraph is inserted after the third paragraph:

Crack Sealing-LF will be measured by the linear foot along the line of the crack.

5-04.5 Payment

The Bid item “Crack Sealing” is revised to read “Crack Sealing-FA”.

The following is inserted after the paragraph following the Bid item “Crack Sealing-FA”, by force account (after the preceding Amendment is applied):

“Crack Sealing-LF”, per linear foot.
The unit Contract price per linear foot for “Crack Sealing-LF” shall be full payment for all costs incurred to perform the Work described in Section 5-04.3(5)C.

Section 6-02, Concrete Structures
January 4, 2016

6-02.3(2)A1 Contractor Mix Design for Concrete Class 4000D

The following new sentence is inserted after the second sentence of the last paragraph:

Mix designs using shrinkage reducing admixture shall state the specific quantity required.

The following new sentence is inserted before the last sentence of the last paragraph:

Testing samples of mixes using shrinkage reducing admixture shall use the admixture amount specified in the mix design submittal.

6-02.3(26)D2 Test Block Dimensions

The first sentence is revised to read:

The dimensions of the test block perpendicular to the tendon in each direction shall be the smaller of twice the minimum edge distance or the minimum spacing specified by the special anchorage device manufacturer, with the stipulation that the concrete cover over any confining reinforcing steel or supplementary skin reinforcement shall be appropriate for the project-specific application and circumstances.

Section 6-14, Geosynthetic Retaining Walls
January 4, 2016

6-14.5 Payment

The Bid item "Concrete Fascia Panel", per square foot, and the paragraph following this Bid item are revised to read:

> "Concrete Fascia Panel for Geosynthetic Wall", per square foot.
>
> All costs in connection with constructing the concrete fascia panels as specified shall be included in the unit Contract price per square foot for "Concrete Fascia Panel for Geosynthetic Wall", including all steel reinforcing bars, premolded joint filler, polyethylene bond breaker strip, joint sealant, PVC pipe for weep holes, exterior surface finish, and pigmented sealer (when specified), constructing and placing the concrete footing, edge beam, anchor beam, anchor rod assembly, and backfill.

Section 6-19, Shafts
January 4, 2016

6-19.4 Measurement

The first paragraph is revised to read:

> Soil excavation for shaft, including haul, will be measured by the cubic yards of shaft excavated. The cubic yards will be computed using the shaft diameter, top of shaft elevation and bottom of shaft elevation shown in the Plans, less all rock excavation measured as specified for rock excavation. Excavation between the existing ground line and the top of shaft elevation is considered incidental to soil excavation for shaft and will not be measured.

The second paragraph is deleted.

6-19.5 Payment

The paragraph following the Bid item "Soil Excavation for Shaft Including Haul", per cubic yard is revised to read:

> The unit Contract price per cubic yard for "Soil Excavation for Shaft Including Haul" shall be full pay for performing the Work as specified, including all costs in connection with furnishing, mixing, placing, maintaining, containing, collecting, and disposing of all mineral, synthetic, and water slurry, and disposing of groundwater collected by the shaft excavation, and the incidental excavation of soils between the top of shaft elevation shown in the Plans and the existing ground line.

Section 8-01, Erosion Control and Water Pollution Control
January 4, 2016

8-01.2 Materials

This Section is supplemented with the following new paragraph:

> Recycled concrete, in any form, shall not be used for any Work defined in Section 8-01.

Section 8-10, Guide Posts
January 4, 2016

8-10.3 Construction Requirements
The last sentence of the second paragraph is deleted.

Section 8-22, Pavement Marking
January 4, 2016

8-22.4 Measurement
The first two sentences of the fourth paragraph are revised to read:

> The measurement for “Painted Wide Lane Line”, “Plastic Wide Lane Line”, “Profiled Plastic Wide Lane Line”, “Painted Barrier Center Line”, “Plastic Barrier Center Line”, “Painted Stop Line”, “Plastic Stop Line”, “Painted Wide Dotted Entry Line”, or “Plastic Wide Dotted Entry Line” will be based on the total length of each painted, plastic or profiled plastic line installed. No deduction will be made for the unmarked area when the marking includes a broken line such as, wide broken lane line, drop lane line, wide dotted lane line or wide dotted entry line.

8-22.5 Payment
The following two new Bid items are inserted after the Bid item “Plastic Crosshatch Marking”, per linear foot:

> “Painted Wide Dotted Entry Line”, per linear foot.
>
> “Plastic Wide Dotted Entry Line”, per linear foot.

Section 9-03, Aggregates
January 4, 2016

9-03.21(1)B Concrete Rubble
This Section, including title, is revised to read:

> **9-03.21(1)B Recycled Concrete Aggregate**
> Recycled concrete aggregates are coarse and fine aggregates manufactured from hardened concrete mixtures.
>
> Recycled concrete, in any form, shall not be placed below the ordinary high water mark of any water of the State.

Section 9-04, Joint and Crack Sealing Materials
January 4, 2016

9-04.2(1) Hot Poured Joint Sealants
This Section’s content is deleted and replaced with the following new subsections:

9-04.2(1)A Hot Poured Sealant

Hot poured sealant shall be sampled in accordance with ASTM D5167 and tested in accordance with ASTM D5329. Hot poured sealant shall have a minimum Cleveland Open Cup Flash Point of 205°C in accordance with AASHTO T 48.

9-04.2(1)A1 Hot Poured Sealant for Cement Concrete Pavement

Hot poured sealant for cement concrete pavement shall meet the requirements of ASTM D6690 Type IV, except for the following:

1. The Cone Penetration at 25°C shall be 130 maximum.

2. The extension for the Bond, non-immersed, shall be 100 percent.

9-04.2(1)A2 Hot Poured Sealant for Bituminous Pavement

Hot poured sealant for bituminous pavement shall meet the requirements of ASTM D6690 Type II.

9-04.2(1)B Sand Slurry for Bituminous Pavement

Sand slurry is mixture consisting of the following components measured by total weight:

1. Twenty percent CSS-1 emulsified asphalt,

2. Two percent Portland cement, and

3. Seventy-eight percent fine aggregate meeting the requirements of Section 9-03.1(2)B Class 2. Fine aggregate may be damp (no free water).

Section 9-07, Reinforcing Steel
January 4, 2016

9-07.1(1)A Acceptance of Materials

The first sentence of the first paragraph is revised to read:

Reinforcing steel rebar manufacturers shall comply with the National Transportation Product Evaluation Program (NTPEP) Work Plan for Reinforcing Steel (rebar) Manufacturers.

The first sentence of the second paragraph is revised to read:

Steel reinforcing bar manufacturers use either English or a Metric size designation while stamping rebar.

SPECIAL PROVISIONS

INTRODUCTION TO THE SPECIAL PROVISIONS

(August 14, 2013 APWA GSP)

The Work on this project shall be accomplished in accordance with the *Standard Specifications for Road, Bridge and Municipal Construction*, 2016 edition, as issued by the Washington State Department of Transportation (WSDOT) and the American Public Works Association (APWA), Washington State Chapter (hereafter "Standard Specifications"). The Standard Specifications, as modified or supplemented by the Amendments to the Standard Specifications and these Special Provisions, all of which are made a part of the Contract Documents, shall govern all of the Work.

These Special Provisions are made up of both General Special Provisions (GSPs) from various sources, which may have project-specific fill-ins; and project-specific Special Provisions. Each Provision either supplements, modifies, or replaces the comparable Standard Specification, or is a new Provision. The deletion, amendment, alteration, or addition to any subsection or portion of the Standard Specifications is meant to pertain only to that particular portion of the section, and in no way should it be interpreted that the balance of the section does not apply.

The project-specific Special Provisions are not labeled as such. The GSPs are labeled under the headers of each GSP, with the effective date of the GSP and its source. For example:

(March 8, 2013 APWA GSP)
(April 1, 2013 WSDOT GSP)

Also incorporated into the Contract Documents by reference are:

- *Manual on Uniform Traffic Control Devices for Streets and Highways*, currently adopted edition, with Washington State modifications, if any
- *Standard Plans for Road, Bridge and Municipal Construction*, WSDOT/APWA, current edition
- 2007 King County Road Design and Construction Standards

The Contractor shall obtain copies of these publications, at the Contractor's own expense.

Division 1
General Requirements

1-01 Definition and Terms

1-01.3 Definitions

(January 4, 2016 APWA GSP)

Delete the heading **Completion Dates** and the three paragraphs that follow it, and replace them with the following:

Dates

Bid Opening Date
The date on which the Contracting Agency publicly opens and reads the Bids.

Award Date
The date of the formal decision of the Contracting Agency to accept the lowest responsible and responsive Bidder for the Work.

Contract Execution Date
The date the Contracting Agency officially binds the Agency to the Contract.

Notice to Proceed Date
The date stated in the Notice to Proceed on which the Contract time begins.

Substantial Completion Date
The day the Engineer determines the Contracting Agency has full and unrestricted use and benefit of the facilities, both from the operational and safety standpoint, any remaining traffic disruptions will be rare and brief, and only minor incidental Work, replacement of temporary substitute facilities, plant establishment periods, or correction or repair remains for the Physical Completion of the total Contract.

Physical Completion Date
The day all of the Work is physically completed on the project. All documentation required by the Contract and required by law does not necessarily need to be furnished by the Contractor by this date.

Completion Date
The day all the Work specified in the Contract is completed and all the obligations of the Contractor under the Contract are fulfilled by the Contractor. All documentation required by the Contract and required by law must be furnished by the Contractor before establishment of this date.

Final Acceptance Date
The date on which the Contracting Agency accepts the Work as complete.

Supplement this Section with the following:

All references in the Standard Specifications, Amendments, or WSDOT General Special Provisions, to the terms “Department of Transportation”, “Washington State Transportation Commission”, “Commission”, “Secretary of Transportation”, “Secretary”, “Headquarters”, and “State Treasurer” shall be revised to read “Contracting Agency”.

All references to the terms “State” or “state” shall be revised to read “Contracting Agency” unless the reference is to an administrative agency of the State of Washington, a State statute or regulation, or the context reasonably indicates otherwise.

All references to “State Materials Laboratory” shall be revised to read “Contracting Agency designated location”.

All references to “final Contract voucher certification” shall be interpreted to mean the Contracting Agency form(s) by which final payment is authorized, and final completion and acceptance granted.

Additive
A supplemental unit of Work or group of Bid items, identified separately in the Bid Proposal, which may, at the discretion of the Contracting Agency, be awarded in addition to the Base Bid.

Alternate
One of two or more units of Work or groups of Bid items, identified separately in the Bid Proposal, from which the Contracting Agency may make a choice between different methods or material of construction for performing the same Work.

Business Day
A business day is any day from Monday through Friday except holidays as listed in Section 1-08.5.

Contract Bond
The definition in the Standard Specifications for “Contract Bond” applies to whatever bond form(s) are required by the Contract Documents, which may be a combination of a Payment Bond and a Performance Bond.

Contract Documents
See definition for “Contract”.

Contract Time
The period of time established by the terms and conditions of the Contract within which the Work must be physically completed.

Notice of Award
The written notice from the Contracting Agency to the successful Bidder signifying the Contracting Agency’s acceptance of the Bid Proposal.

Notice to Proceed
The written notice from the Contracting Agency or Engineer to the Contractor authorizing and directing the Contractor to proceed with the Work and establishing the date on which the Contract time begins.

Traffic
Both vehicular and non-vehicular traffic, such as pedestrians, bicyclists, wheelchairs, and equestrian traffic.

1-02 Bid Procedures and Conditions

1-02 Bid Procedures and Conditions

1-02.1 Prequalification of Bidders

Delete this Section and replace it with the following:

1-02.1 Qualifications of Bidder

(January 24, 2011 APWA GSP)

Before Award of a Public Works Contract, a Bidder must meet at least the minimum qualifications of RCW 39.04.350(1) to be considered a responsible Bidder and qualified to be awarded a Public Works project.

1-02.2 Plans and Specifications

Delete this Section and replace it with the following:

Information as to where Bid Documents can be obtained or reviewed can be found in the Call for Bids (Advertisement for Bids) for the Work.

After Award of the Contract, Plans and Specifications will be issued to the Contractor at no cost as detailed below:

To Prime Contractor	No. of Sets	Basis of Distribution
Reduced Plans (11" x 17")	2	Furnished automatically upon Award.
Contract Provisions	2	Furnished automatically upon Award.
Large Plans (e.g., 22" x 34")	1	Furnished automatically upon Award.
CD with signed Contract Documents and AutoCAD files	1	Furnished automatically upon Award.

Additional Plans and Contract Provisions may be obtained by the Contractor from the source stated in the Call for Bids, at the Contractor's own expense.

1-02.4 Examination of Plans, Specifications and Site of Work

1-02.4(1) General

The first sentence of the ninth paragraph of Section 1-02.4(1) is revised to read as follows:

> Any prospective Bidder desiring an explanation or interpretation of the Bid documents, must request the explanation or interpretation in writing to Zack Richardson, P.E., Project Manager, City of Kenmore, at 425-398-8900 (phone) or zrichardson@kenmorewa.gov (email) at least three (3) business days prior to the date and time for the opening of Bids.

1-02.4(2) Subsurface Information

(March 8, 2013 APWA GSP)

The second sentence in the first paragraph is revised to read:

> The Summary of Geotechnical Conditions and the boring logs, <u>if and when included</u> as an appendix to the Special Provisions, shall be considered as part of the Contract.

Section 1-02.4(2) is supplemented with the following:

> (January 2, 2012)
> The soils information used for study and design of this project is available for review by the Bidder at the following location:
>
> > *** Appendix B of the Project Manual ***
>
> The soils information includes the following:
>
> > *** Final Geotechnical Letter Report, including Boring Logs ***

1-02.5 Proposal Forms

(June 27, 2011 APWA GSP)

Delete this Section and replace it with the following:

The Proposal Form will identify the project and its location and describe the Work. It will also list estimated quantities, units of measurement, the items of Work, and the materials to be furnished at the unit Bid prices. The Bidder shall complete spaces on the Proposal Form that call for, but are not limited to, unit prices; extensions; summations; the total Bid amount; signatures; date; and, where applicable, retail sales taxes and acknowledgment of addenda; the Bidder's name, address, telephone number, and signature; the Bidder's D/M/WBE commitment, if applicable; a State of Washington Contractor's Registration Number; and a Business License Number, if applicable. Bids shall be completed by typing or shall be printed in ink by hand, preferably in black ink. The required certifications are included as part of the Proposal Form.

The Contracting Agency reserves the right to arrange the Proposal Forms with alternates and additives, if such be to the advantage of the Contracting Agency. The Bidder shall Bid on all alternates and additives set forth in the Proposal Form unless otherwise specified.

1-02.6 Preparation of Proposal

(June 27, 2011 APWA GSP)

Supplement the second paragraph with the following:

4. If a minimum Bid amount has been established for any item, the unit or lump sum price must equal or exceed the minimum amount stated.
5. Any correction to a Bid made by interlineation, alteration, or erasure, shall be initialed by the signer of the Bid.

Delete the last paragraph, and replace it with the following:

The Bidder shall make no stipulation on the Bid Form, nor qualify the Bid in any manner.

A Bid by a corporation shall be executed in the corporate name, by the president or a vice president (or other corporate officer accompanied by evidence of authority to sign).

A Bid by a partnership shall be executed in the partnership name, and signed by a partner.

A copy of the partnership agreement shall be submitted with the Bid Form if any D/M/WBE requirements are to be satisfied through such an agreement.

A Bid by a joint venture shall be executed in the joint venture name and signed by a member of the joint venture. A copy of the joint venture agreement shall be submitted with the Bid Form if any D/W/MBE requirements are to be satisfied through such an agreement.

(August 2, 2004 WSDOT GSP)
The fifth and sixth paragraphs of Section 1-02.6 are deleted.

1-02.7 Bid Deposit

Section 1-02.7 is supplemented with the following:

Bid bonds shall contain the following:

1. Contracting Agency-assigned number for the project;
2. Name of the project;
3. The Contracting Agency named as obligee;
4. The amount of the Bid bond stated either as a dollar figure or as a percentage which represents five percent of the maximum Bid amount that could be awarded;
5. Signature of the Bidder's officer empowered to sign official statements. The signature of the person authorized to submit the Bid should agree with the signature on the bond, and the title of the person must accompany the said signature;
6. The signature of the Surety's officer empowered to sign the bond and the power of attorney.

The Bidder must use the bond form included in the Contract Provisions.

1-02.9 Delivery of Proposal

(August 15, 2012 APWA GSP, Option A)

Delete this Section and replace it with the following:

Each Proposal shall be submitted in a sealed envelope, with the Project Name and Project Number as stated in the Call for Bids clearly marked on the outside of the envelope, or as otherwise required in the Bid Documents, to ensure proper handling and delivery.

If the project has FHWA funding and requires DBE Written Confirmation Documents or Good Faith Effort Documentation, then to be considered responsive, the Bidder shall submit with their Bid Proposal, written Confirmation Documentation from each DBE firm listed on the Bidder's completed DBE Utilization Certification, form 272-056A EF, as required by Section 1-02.6.

The Contracting Agency will not open or consider any Bid Proposal that is received after the time specified in the Call for Bids for receipt of Bid Proposals, or received in a location other than that specified in the Call for Bids.

1-02.13 Irregular Proposals

(January 4, 2016 APWA GSP)

Delete this Section and replace it with the following:

1. A Proposal will be considered irregular and will be rejected if:
   a. The Bidder is not prequalified when so required;
   b. The authorized Proposal form furnished by the Contracting Agency is not used or is altered;
   c. The completed Proposal form contains any unauthorized additions, deletions, alternate Bids, or conditions;
   d. The Bidder adds provisions reserving the right to reject or accept the Award, or enter into the Contract;
   e. A price per unit cannot be determined from the Bid Proposal;
   f. The Proposal form is not properly executed;
   g. The Bidder fails to submit or properly complete a Subcontractor list, if applicable, as required in Section 1-02.6;
   h. The Bidder fails to submit or properly complete a Disadvantaged Business Enterprise Certification, if applicable, as required in Section 1-02.6;
   i. The Bidder fails to submit written confirmation from each DBE firm listed on the Bidder's completed DBE Utilization Certification that they are in agreement with the Bidders DBE participation commitment, if applicable, as required in Section 1-02.6, or if the written confirmation that is submitted fails to meet the requirements of the Special Provisions;
   j The Bidder fails to submit DBE Good Faith Effort documentation, if applicable, as required in Section 1-02.6, or if the documentation that is submitted fails to demonstrate that a Good Faith Effort to meet the Condition of Award was made;
   k. The Bid Proposal does not constitute a definite and unqualified offer to meet the material terms of the Bid invitation; or
   l. More than one Proposal is submitted for the same project from a Bidder under the same or different names.

2. A Proposal may be considered irregular and may be rejected if:
   a. The Proposal does not include a unit price for every Bid item;
   b. Any of the unit prices are excessively unbalanced (either above or below the amount of a reasonable Bid) to the potential detriment of the Contracting Agency;
   c. Receipt of Addenda is not acknowledged;
   d. A member of a joint venture or partnership and the joint venture or partnership submit Proposals for the same project (in such an instance, both Bids may be rejected); or
   e. If Proposal form entries are not made in ink.

1-02.15 Pre-Award Information

(August 14, 2013 APWA GSP)

Revise this Section to read:

Before awarding any Contract, the Contracting Agency may require one or more of these items or actions of the apparent lowest responsible Bidder:

1. A complete statement of the origin, composition, and manufacture of any or all materials to be used,
2. Samples of these materials for quality and fitness tests,
3. A progress schedule (in a form the Contracting Agency requires) showing the order of and time required for the various phases of the Work,
4. A breakdown of costs assigned to any Bid item,
5. Attendance at a conference with the Engineer or representatives of the Engineer,
6. Obtain, and furnish a copy of, a business license to do business in the city or county where the Work is located.
7. Any other information or action taken that is deemed necessary to ensure that the Bidder is the lowest responsible Bidder.

1-03 Execution of Contract

1-03.1 Consideration of Bids

(January 23, 2006 APWA GSP)

Revise the first paragraph to read:

After opening and reading Proposals, the Contracting Agency will check them for correctness of extensions of the prices per unit and the total price. If a discrepancy exists between the price per unit and the extended amount of any Bid item, the price per unit will control. If a minimum Bid amount has been established for any item and the Bidder's unit or lump sum price is less than the minimum specified amount, the Contracting Agency will unilaterally revise the unit or lump sum price, to the minimum specified amount and recalculate the extension. The total of extensions, corrected where necessary, including sales taxes where applicable and such additives and/or alternates as selected by the Contracting Agency, will be used by the Contracting Agency for Award purposes and to fix the Awarded Contract Price amount and the amount of the Contract Bond.

1-03.3 Execution of Contract

(October 1, 2005 APWA GSP)

Revise this Section to read:

Copies of the Contract Provisions, including the unsigned Form of Contract, will be available for signature by the successful Bidder on the first business day following Award. The number of copies to be executed by the Contractor will be determined by the Contracting Agency.

Within ten (10) calendar days after the Award date, the successful Bidder shall return the signed Contracting Agency-prepared Contract, an insurance certification as required by Section 1-07.18, and a satisfactory bond as required by law and Section 1-03.4. Before execution of the Contract by the Contracting Agency, the successful Bidder shall provide any pre-Award information the Contracting Agency may require under Section 1-02.15.

Until the Contracting Agency executes a Contract, no Proposal shall bind the Contracting Agency nor shall any Work begin within the project limits or within Contracting Agency-furnished sites. The Contractor shall bear all risks for any Work begun outside such areas and for any materials ordered before the Contract is executed by the Contracting Agency.

If the Bidder experiences circumstances beyond their control that prevents return of the Contract Documents within the calendar days after the Award date stated above, the Contracting Agency may grant up to a maximum of five (5) additional calendar days for return of the documents, provided the Contracting Agency deems the circumstances warrant it.

1-03.4 Contract Bond

(December 8, 2014 APWA GSP)

Revise the first paragraph to read:

The successful Bidder shall provide executed payment and performance bond(s) for the full Contract amount. The bond may be a combined payment and performance bond; or be separate payment and performance bonds. In the case of separate payment and performance bonds, each shall be for the full Contract amount. The bond(s) shall:

1. Be on Contracting Agency-furnished form(s);
2. Be signed by an approved Surety (or Sureties) that:
   a. Is registered with the Washington State Insurance Commissioner, and
   b. Appears on the current Authorized Insurance List in the State of Washington published by the Office of the Insurance Commissioner,
3. Guarantee that the Contractor will perform and comply with all obligations, duties, and conditions under the Contract, including but not limited to the duty and obligation to indemnify, defend, and protect the Contracting Agency against all losses and claims related directly or indirectly from any failure:
   a. Of the Contractor (or any of the employees, Subcontractors, or lower tier Subcontractors of the Contractor) to faithfully perform and comply with all Contract obligations, conditions, and duties, or
   b. Of the Contractor (or the Subcontractors or lower tier Subcontractors of the Contractor) to pay all laborers, mechanics, Subcontractors, lower tier Subcontractors, material person, or any other person who provides supplies or provisions for carrying out the Work;
4. Be conditioned upon the payment of taxes, increases, and penalties incurred on the project under Titles 50, 51, and 82 RCW; and
5. Be accompanied by a power of attorney for the Surety's officer empowered to sign the bond; and
6. Be signed by an officer of the Contractor empowered to sign official statements (sole proprietor or partner). If the Contractor is a corporation, the bond(s) must be signed by the president or vice president, unless accompanied by written proof of the authority of the individual signing the bond(s) to bind the corporation (i.e., corporate resolution, power of attorney, or a letter to such effect signed by the president or vice president).

1-04 Scope of the Work

1-04.2 Coordination of Contract Documents, Plans, Special Provisions, Specifications, and Addenda

The first and second paragraphs of Section 1-04.2 are replaced with the following:

The complete Contract includes these parts: the Contract Form, Bidder's completed Proposal Form, Contract Plans, Contract Provisions, Standard Specifications, Standard Plans and other standard details included in this document, Addenda, various certifications, and affidavits, supplemental agreements, change orders, and subsurface boring logs (if any). These parts complement each other in describing a complete work. Any requirement in one part binds as if stated in all parts. The Contractor shall provide any Work or materials clearly implied in the Contract even if the contract does not mention it specifically.

Any inconsistency in the parts of the Contract shall be resolved by following this order of precedence (e.g., 1 presiding over 2, 2 over 3, 3 over 4, and so forth):

1. Addenda,
2. Proposal Form,
3. Special Provisions, including APWA General Special Provisions, if they are included,
4. Contract Plans,
5. Amendments to the Standard Specifications,
6. WSDOT Standard Specifications for Road, Bridge and Municipal Construction,
7. WSDOT Standard Plans for Road, Bridge, and Municipal Construction, Contracting Agency's Standard Plans (King County Road Standards), and Other Standard Details included in this document.

1-04.4 Changes

1-04.4(1) Minor Changes

Section 1-04.4(1), including title, is revised to read as follows:

1-04.4(1) Unexpected Site Changes

Payments or credits for changes amounting to $15,000 or less may be made under the Bid item "Unexpected Site Changes". At the discretion of the Contracting Agency, this procedure for Unexpected Site Changes may be used in lieu of the more formal procedure as outlined in Section 1-04.4, Changes.

The Contractor will be provided a copy of the completed order for Unexpected Site Changes. The agreement for the Unexpected Site Changes will be documented by signature of the Contractor, or notation of verbal agreement. If the Contractor is in disagreement with anything required by the order for Unexpected Site Changes, the Contractor may protest the order as provided in Section 1-04.5.

Payments will be determined in accordance with Section 1-09.6. For the purpose of providing a common Proposal for all Bidders, the Contracting Agency has entered an amount for "Unexpected Site Changes" in the Proposal to become a part of the total Bid by the Contractor. Credits will be determined in accordance with Section 1-09.4.

1-05 Control of Work

1-05.3 Working Drawings

Item 2. of Section 1-05.3 is revised to read as follows:

Type 2 – Submitted for Contracting Agency review and approval. Unless otherwise stated in the Contract, the Engineer will require up to 20 calendar days from the date Working Drawings are received until approved and returned to the Contractor. The total of 20 calendar days shall include any resubmittals and re-reviews necessary for Working Drawing approval. The Contractor shall not proceed with the Work, or submit purchase orders, represented by the Working Drawings until written approval has been received.

1-05.4 Conformity With and Deviations From Plans and Stakes

Section 1-05.4 is supplemented with the following:

Contractor Surveying – Roadway and Structure

The Contractor shall be responsible for setting, maintaining, and resetting all alignment stakes, slope stakes, and grades necessary for the construction of all of the applicable items following: roadbed, walkway, retaining walls, Gateway sign Structures, drainage, surfacing, paving, channelization and pavement marking, illumination and signals, guardrails and barriers, and signing. Except for the survey control data to be furnished by the Contracting Agency, calculations, surveying, and measuring required for setting and maintaining the necessary lines and grades shall be the Contractor's responsibility.

Surveying shall be performed under the supervision of a Professional Land Surveyor (PLS) registered in the State of Washington.

Detailed survey records shall be maintained, including a description of the Work performed on each shift, the methods utilized, and the control points used. The record shall be adequate to allow the survey to be reproduced. A copy of each day's record shall be provided to the Engineer within three working days after the end of the shift.

The meaning of words and terms used in this provision shall be as listed in "Definitions of Surveying and Associated Terms" current edition, published by the American Congress on Surveying and Mapping and the American Society of Civil Engineers.

The survey Work shall include but not be limited to the following:

1. Verify the primary horizontal and vertical control furnished by the Contracting Agency, and expand into secondary control by adding stakes and hubs as well as additional survey control needed for the project. Provide descriptions of secondary control to the Contracting Agency.
2. Establish, the centerlines of all alignments, by placing hubs, stakes, or marks on centerline or on offsets to centerline at all curve points (PCs, PTs, and PIs) and at points on the alignments spaced no further than 25 feet.
3. Establish clearing limits, placing stakes at all angle points and at intermediate points not more than 50 feet apart.
4. Establish grading limits, placing slope stakes at centerline increments not more than 50 feet apart. Establish offset reference to all slope stakes.

5. Establish the horizontal and vertical location of all drainage features, placing offset stakes to all drainage Structures and to pipes at a horizontal interval not greater than 25 feet.
6. Establish Roadbed, walkway, and surfacing elevations by placing stakes at the top of Subgrade and at the top of each course of surfacing. Subgrade and surfacing stakes shall be set at horizontal intervals not greater than 50 feet in tangent sections, 25 feet in curve sections with a radius less than 300 feet, and at 10-foot intervals in intersection radii with a radius less than 10 feet. Transversely, stakes shall be placed at all locations where the Roadway slope changes and at additional points such that the transverse spacing of stakes is not more than 12 feet.
7. Establish intermediate elevation benchmarks as needed to check Work throughout the project.
8. Provide references for paving pins at 25-foot intervals or provide simultaneous surveying to establish location and elevation of paving pins as they are being placed.
9. Establish offsets to footing centerline of bearing for footing forms.
10. Establish retaining wall horizontal alignment.
11. Establish retaining wall top of wall profile grade.
12. Establish traffic barrier profile.
13. For all other types of construction included in this Provision, (including but not limited to retaining walls and Gateway sign Structures, channelization and pavement marking, illumination and signals, guardrails and barriers, and signing) provide staking and layout as necessary to adequately locate, construct, and check the specific construction activity.

The Contractor shall provide the Contracting Agency copies of any calculations and staking data when requested by the Engineer.

To facilitate the establishment of these lines and elevations, the Contracting Agency will provide the Contractor with primary survey control information consisting of descriptions of two primary control points used for the horizontal and vertical control, and descriptions of two additional primary control points for every additional three miles of project length. Primary control points will be described by reference to the project alignment and the coordinate system and elevation datum utilized by the project. In addition, the Contracting Agency will supply horizontal coordinates for the beginning and ending points and for each Point of Intersection (PI) on each alignment included in the project.

The Contractor shall ensure a surveying accuracy within the following tolerances:

	Vertical	Horizontal
Slope stakes	±0.10 feet	±0.10 feet
Subgrade grade stakes set 0.04 feet below grade	±0.01 feet	±0.5 feet (parallel to alignment) ±0.1 feet (normal to alignment)

Stationing on Roadway	N/A	±0.1 feet
Alignment on Roadway	N/A	±0.04 feet
Surfacing grade stakes	±0.01 feet	±0.5 feet (parallel to alignment) ±0.1 feet (normal to alignment)
Roadway paving pins for surfacing or paving	±0.01 feet	±0.2 feet (parallel to alignment) ±0.1 feet (normal to alignment)
Stationing on Structures		±0.02 feet
Alignment on Structures		±0.02 feet

The Contracting Agency may spot-check the Contractor's surveying. These spot-checks will not change the requirements for normal checking by the Contractor.

When staking alignment and stationing, the Contractor shall perform independent checks from different secondary control to ensure that the points staked are within the specified survey accuracy tolerances.

The Contractor shall calculate coordinates for the alignment. The Contracting Agency may elect to verify these coordinates prior to issuing approval to the Contractor for commencing with the Work. The Contracting Agency will require up to seven calendar days from the date the data is received.

Contract Work to be performed using Contractor-provided stakes shall not begin until the stakes are approved by the Contracting Agency. Such approval shall not relieve the Contractor of responsibility for the accuracy of the stakes.

Payment

Payment will be made in accordance with Section 1-04.1 for the following Bid item when included in the Proposal:

"Construction Surveying", lump sum.

The lump sum Contract price for "Construction Surveying" shall be full pay for all labor, equipment, materials, and supervision utilized to perform the survey Work specified, including any resurveying, calculations, checking, correction of errors, replacement of missing or damaged stakes, traffic control and coordination efforts.

1-05.5 Record Drawings

Section 1-05.5 is added as follows:

The Contractor shall provide red lined drawings to the Contracting Agency upon completion of the project. The Contracting Agency will prepare the Record Drawings.

1-05.7 Removal of Defective and Unauthorized Work

(October 1, 2005 APWA GSP)

Supplement this Section with the following:

If the Contractor fails to remedy defective or unauthorized Work within the time specified in a written notice from the Engineer, or fails to perform any part of the Work required by the Contract Documents, the Engineer may correct and remedy such Work as may be identified in the written notice, with Contracting Agency forces or by such other means as the Contracting Agency may deem necessary.

If the Contractor fails to comply with a written order to remedy what the Engineer determines to be an emergency situation, the Engineer may have the defective and unauthorized Work corrected immediately, have the rejected Work removed and replaced, or have Work the Contractor refuses to perform completed by using Contracting Agency or other forces. An emergency situation is any situation when, in the opinion of the Engineer, a delay in its remedy could be potentially unsafe, or might cause serious risk of loss or damage to the public.

Direct or indirect costs incurred by the Contracting Agency attributable to correcting and remedying defective or unauthorized Work, or Work the Contractor failed or refused to perform, shall be paid by the Contractor. Payment will be deducted by the Engineer from monies due, or to become due, the Contractor. Such direct and indirect costs shall include in particular, but without limitation, compensation for additional professional services required, and costs for repair and replacement of Work of others destroyed or damaged by correction, removal, or replacement of the Contractor's unauthorized Work.

No adjustment in Contract time or compensation will be allowed because of the delay in the performance of the Work attributable to the exercise of the Contracting Agency's rights provided by this Section.

The rights exercised under the provisions of this Section shall not diminish the Contracting Agency's right to pursue any other avenue for additional remedy or damages with respect to the Contractor's failure to perform the Work as required.

1-05.11 Final Inspection

Delete this Section and replace it with the following:

1-05.11 Final Inspections and Operational Testing

(October 1, 2005 APWA GSP)

1-05.11(1) Substantial Completion Date

When the Contractor considers the Work to be substantially complete, the Contractor shall so notify the Engineer and request the Engineer establish the Substantial Completion Date. The Contractor's request shall list the specific items of Work that remain to be completed in order to reach physical completion. The Engineer will schedule an inspection of the Work with the Contractor to determine the status of completion. The Engineer may also establish the Substantial Completion Date unilaterally.

If, after this inspection, the Engineer concurs with the Contractor that the Work is substantially complete and ready for its intended use, the Engineer, by written notice to the Contractor, will set the Substantial Completion Date. If, after this inspection the Engineer does not consider the Work substantially complete and ready for its intended use, the Engineer will, by written notice, so notify the Contractor giving the reasons therefor.

Upon receipt of written notice concurring in or denying substantial completion, whichever is applicable, the Contractor shall pursue vigorously, diligently and without unauthorized interruption, the Work necessary to reach substantial and physical completion. The Contractor shall provide the Engineer with a revised schedule indicating when the Contractor expects to reach substantial and physical completion of the Work.

The above process shall be repeated until the Engineer establishes the Substantial Completion Date and the Contractor considers the Work physically complete and ready for final inspection.

1-05.11(2) Final Inspection and Physical Completion Date

When the Contractor considers the Work physically complete and ready for final inspection, the Contractor by written notice, shall request the Engineer to schedule a final inspection. The Engineer will set a date for final inspection. The Engineer and the Contractor will then make a final inspection and the Engineer will notify the Contractor in writing of all particulars in which the final inspection reveals the Work incomplete or unacceptable. The Contractor shall immediately take such corrective measures as are necessary to remedy the listed deficiencies. Corrective Work shall be pursued vigorously, diligently, and without interruption until physical completion of the listed deficiencies. This process will continue until the Engineer is satisfied the listed deficiencies have been corrected.

If action to correct the listed deficiencies is not initiated within 7 days after receipt of the written notice listing the deficiencies, the Engineer may, upon written notice to the Contractor, take whatever steps are necessary to correct those deficiencies pursuant to Section 1-05.7.

The Contractor will not be allowed an extension of Contract time because of a delay in the performance of the Work attributable to the exercise of the Engineer's right hereunder.

Upon correction of all deficiencies, the Engineer will notify the Contractor and the Contracting Agency, in writing, of the date upon which the Work was considered physically complete. That date shall constitute the Physical Completion Date of the Contract, but shall not imply acceptance of the Work or that all the obligations of the Contractor under the Contract have been fulfilled.

1-05.11(3) Operational Testing

It is the intent of the Contracting Agency to have at the Physical Completion Date a complete and operable system. Therefore when the Work involves the installation of machinery or other mechanical equipment; street lighting, electrical distribution or signal systems; irrigation systems; buildings; or other similar Work it may be desirable for the Engineer to have the Contractor operate and test the Work for a period of time after final inspection but prior to the Physical Completion Date. Whenever items of Work are listed in

the Contract Provisions for operational testing they shall be fully tested under operating conditions for the time period specified to ensure their acceptability prior to the Physical Completion Date. During and following the test period, the Contractor shall correct any items of workmanship, materials, or equipment which prove faulty, or that are not in first class operating condition. Equipment, electrical controls, meters, or other devices and equipment to be tested during this period shall be tested under the observation of the Engineer, so that the Engineer may determine their suitability for the purpose for which they were installed. The Physical Completion Date cannot be established until testing and corrections have been completed to the satisfaction of the Engineer.

The costs for power, gas, labor, material, supplies, and everything else needed to successfully complete operational testing, shall be included in the unit Contract prices related to the system being tested, unless specifically set forth otherwise in the Proposal.

Operational and test periods, when required by the Engineer, shall not affect a manufacturer's guaranties or warranties furnished under the terms of the Contract.

1-05.13 Superintendents, Labor and Equipment of Contractor

(August 14, 2013 APWA GSP)

Delete the sixth and seventh paragraphs of this Section.

1-05.15 Method of Serving Notices

(March 25, 2009 APWA GSP)

Revise the second paragraph to read:

All correspondence from the Contractor shall be directed to the Project Engineer. <u>All correspondence from the Contractor constituting any notification, notice of protest, notice of dispute, or other correspondence constituting notification required to be furnished under the Contract, must be in paper format, hand delivered or sent via mail delivery service to the Project Engineer's office. Electronic copies such as e-mails or electronically delivered copies of correspondence will not constitute such notice and will not comply with the requirements of the Contract.</u>

Add the following new Section:

1-05.16 Water and Power

(October 1, 2005 APWA GSP)

The Contractor shall make necessary arrangements, and shall bear the costs for power and water necessary for the performance of the Work, unless the Contract includes power and water as a pay item.

1-06 Control of Material

1-06.6 Recycled Materials

(January 4, 2016 APWA GSP)

Delete this Section, including its subsections, and replace it with the following:

The Contractor shall make their best effort to utilize recycled materials in the construction of the project. Approval of such material use shall be as detailed elsewhere in the Standard Specifications.

Prior to Physical Completion the Contractor shall report the quantity of recycled materials that were utilized in the construction of the project for each of the items listed in Section 9-03.21. The report shall include hot mix asphalt, recycled concrete aggregate, recycled glass, steel furnace slag and other recycled materials (e.g. utilization of on-site material and aggregates from concrete returned to the supplier). The Contractor's report shall be provided on DOT form 350-075 Recycled Materials Reporting.

1-07 Legal Relations and Responsibilities to the Public

1-07.1 Laws to be Observed

(October 1, 2005 APWA GSP)

Supplement this Section with the following:

In cases of conflict between different safety regulations, the more stringent regulation shall apply.

The Washington State Department of Labor and Industries shall be the sole and paramount administrative agency responsible for the administration of the provisions of the Washington Industrial Safety and Health Act of 1973 (WISHA).

The Contractor shall maintain at the project site office, or other well known place at the project site, all articles necessary for providing first aid to the injured. The Contractor shall establish, publish, and make known to all employees, procedures for ensuring immediate removal to a hospital, or doctor's care, persons, including employees, who may have been injured on the project site. Employees should not be permitted to Work on the project site before the Contractor has established and made known procedures for removal of injured persons to a hospital or a doctor's care.

The Contractor shall have sole responsibility for the safety, efficiency, and adequacy of the Contractor's plant, appliances, and methods, and for any damage or injury resulting from their failure, or improper maintenance, use, or operation. The Contractor shall be solely and completely responsible for the conditions of the project site, including safety for all persons and property in the performance of the Work. This requirement shall apply continuously, and not be limited to normal working hours. The required or implied duty of the Engineer to conduct construction review of the Contractor's performance does not, and shall not, be intended to include review and adequacy of the Contractor's safety measures in, on, or near the project site.

1-07.2 State Taxes

Delete this Section, including its sub-sections, in its entirety and replace it with the following:

1-07.2 State Sales Tax

(June 27, 2011 APWA GSP)

The Washington State Department of Revenue has issued special rules on the State sales tax. Sections 1-07.2(1) through 1-07.2(3) are meant to clarify those rules. The Contractor should contact the Washington State Department of Revenue for answers to questions in this area. The Contracting Agency will not adjust its payment if the Contractor bases a Bid on a misunderstood tax liability.

The Contractor shall include all Contractor-paid taxes in the unit Bid prices or other Contract amounts. In some cases, however, State retail sales tax will not be included. Section 1-07.2(2) describes this exception.

The Contracting Agency will pay the retained percentage (or release the Contract Bond if a "FHWA funded" project) only if the Contractor has obtained from the Washington State Department of Revenue a certificate showing that all Contract-related taxes have been paid (RCW 60.28.051). The Contracting Agency may deduct from its payments to the Contractor any amount the Contractor may owe the Washington State Department of Revenue, whether the amount owed relates to this Contract or not. Any amount so deducted will be paid into the proper State fund.

1-07.2(1) State Sales Tax — Rule 171

WAC 458-20-171, and its related rules, apply to building, repairing, or improving streets, roads, etc., which are owned by a municipal corporation, or political subdivision of the State, or by the United States, and which are used primarily for foot or vehicular traffic. This includes storm or combined sewer systems within and included as a part of the street or road drainage system and power lines when such are part of the Roadway lighting system. For Work performed in such cases, the Contractor shall include Washington State Retail Sales Taxes in the various unit Bid item prices, or other Contract amounts, including those that the Contractor pays on the purchase of the materials, equipment, or supplies used or consumed in doing the Work.

1-07.2(2) State Sales Tax — Rule 170

WAC 458-20-170, and its related rules, apply to the constructing and repairing of new or existing buildings, or other Structures, upon real property. This includes, but is not limited to, the construction of streets, roads, Highways, etc., owned by the State of Washington; water mains and their appurtenances; sanitary sewers and sewage disposal systems unless such sewers and disposal systems are within, and a part of, a street or road drainage system; telephone, telegraph, electrical power distribution lines, or other conduits or lines in or above streets or roads, unless such power lines become a part of a street or Roadway lighting system; and installing or attaching of any article of tangible personal property in or to real property, whether or not such personal property becomes a part of the realty by virtue of installation.

For Work performed in such cases, the Contractor shall collect from the Contracting Agency, retail sales tax on the full Contract price. The Contracting Agency will automatically add this sales tax to each payment to the Contractor. For this reason, the Contractor shall not include the retail sales tax in the unit Bid item prices, or in any other Contract amount subject to Rule 170, with the following exception.

Exception: The Contracting Agency will not add in sales tax for a payment the Contractor or a Subcontractor makes on the purchase or rental of tools, machinery, equipment, or consumable supplies not integrated into the project. Such sales taxes shall be included in the unit Bid item prices or in any other Contract amount.

1-07.2(3) Services

The Contractor shall not collect retail sales tax from the Contracting Agency on any Contract wholly for professional or other services (as defined in Washington State Department of Revenue Rules 138 and 244).

1-07.6 Permits and Licenses

Section 1-07.6 is supplemented with the following:

The Contractor shall obtain a Right-of-Way use permit at Kenmore City Hall at no charge to the Contractor.

(September 20, 2010 WSDOT GSP)
The Contracting Agency has obtained the below-listed permit(s) for this project. A copy of the permit(s) is attached as an appendix for informational purposes. All contacts with the permitting agency concerning the below-listed permit(s) shall be through the Engineer. The Contractor shall obtain additional permits as necessary. All costs to obtain and comply with additional permits shall be included in the applicable Bid items for the Work involved. Copies of these permits are required to be on-site at all times.

Hydraulic Project Approval (HPA)

1-07.17 Utilities and Similar Facilities

Section 1-07.17 is supplemented with the following:

Locations and dimensions shown in the Plans for existing facilities are in accordance with available information obtained without uncovering, measuring, or other verification.

Public and private utilities, or their contractors, will furnish all Work necessary to adjust, relocate, replace, or construct their facilities unless otherwise provided for in the Plans or these Special Provisions. Such adjustment, relocation, replacement, or construction will be done during the prosecution of the Work for this project.

The following addresses and telephone numbers of utility companies known or suspected of having facilities within the project limits are supplied for the Contractor's convenience:

Utility	Agency	Contact	Phone
Water and Sewer	Northshore UD	Dave Kaiser	425-398-4422
Storm/Street	City of Kenmore	Zack Richardson	425-984-6167
Natural Gas/Power	Puget Sound Energy	Becky Nicholas	425-462-3727
Telephone	Frontier	Nate Kimball	425-263-4040
Television	Comcast	Raymond Pilkenton	425-263-5332

1-07.18 Public Liability and Property Damage Insurance

Delete this Section in its entirety, and replace it with the following:

1-07.18 Insurance

(January 4, 2016 APWA GSP)

1-07.18(1) General Requirements

A. The Contractor shall procure and maintain the insurance described in all subsections of Section 1-07.18 of these Special Provisions, from insurers with a current A. M. Best rating of not less than A-: VII and licensed to do business in the State of Washington. The Contracting Agency reserves the right to approve or reject the insurance provided, based on the insurer's financial condition.

B. The Contractor shall keep this insurance in force without interruption from the commencement of the Contractor's Work through the term of the Contract and for thirty (30) days after the Physical Completion Date, unless otherwise indicated below.

C. If any insurance policy is written on a claims made form, its retroactive date, and that of all subsequent renewals, shall be no later than the effective date of this Contract. The policy shall state that coverage is claims made, and state the retroactive date. Claims-made form coverage shall be maintained by the Contractor for a minimum of 36 months following the Completion Date or earlier termination of this Contract, and the Contractor shall annually provide the Contracting Agency with proof of renewal. If renewal of the claims made form of coverage becomes unavailable, or economically prohibitive, the Contractor shall purchase an extended reporting period ("tail") or execute another form of guarantee acceptable to the Contracting Agency to assure financial responsibility for liability for services performed.

D. The Contractor's Automobile Liability, Commercial General Liability and Excess or Umbrella Liability insurance policies shall be primary and non-contributory insurance as respects the Contracting Agency's insurance, self-insurance, or self-insured pool coverage. Any insurance, self-insurance, or self-insured pool coverage maintained by the Contracting Agency shall be excess of the Contractor's insurance and shall not contribute with it.

E. The Contractor shall provide the Contracting Agency and all additional insureds with written notice of any policy cancellation, within two business days of their receipt of such notice.

G. The Contractor shall not begin Work under the Contract until the required insurance has been obtained and approved by the Contracting Agency.

H. Failure on the part of the Contractor to maintain the insurance as required shall constitute a material breach of Contract, upon which the Contracting Agency may, after giving five business days' notice to the Contractor to correct the breach, immediately terminate the Contract or, at its discretion, procure or renew such insurance and pay any and all premiums in connection therewith, with any sums so expended to be repaid to the Contracting Agency on demand, or at the sole discretion of the Contracting Agency, offset against funds due the Contractor from the Contracting Agency.

I. All costs for insurance shall be incidental to and included in the unit or lump sum prices of the Contract and no additional payment will be made.

1-07.18(2) Additional Insured

All insurance policies, with the exception of Workers Compensation, and of Professional Liability and Builder's Risk (if required by this Contract) shall name the following listed entities as additional insured(s) using the forms or endorsements required herein:

- the Contracting Agency and its officers, elected officials, employees, agents, and volunteers
- Perteet Inc.
- CG Engineering

The above-listed entities shall be additional insured(s) for the full available limits of liability maintained by the Contractor, irrespective of whether such limits maintained by the Contractor are greater than those required by this Contract, and irrespective of whether the Certificate of Insurance provided by the Contractor pursuant to Section 1-07.18(4) describes limits lower than those maintained by the Contractor.

For Commercial General Liability insurance coverage, the required additional insured endorsements shall be at least as broad as ISO forms CG 20 10 10 01 for ongoing operations and CG 20 37 10 01 for completed operations.

1-07.18(3) Subcontractors

The Contractor shall cause each Subcontractor of every tier to provide insurance coverage that complies with all applicable requirements of the Contractor-provided insurance as set forth herein, except the Contractor shall have sole responsibility for determining the limits of coverage required to be obtained by Subcontractors.

The Contractor shall ensure that all Subcontractors of every tier add all entities listed in Section 1-07.18(2) as additional insureds, and provide proof of such on the policies as required by that section as detailed in Section 1-07.18(2) using an endorsement as least as broad as ISO CG 20 10 10 01 for ongoing operations and CG 20 37 10 01 for completed operations.

Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency evidence of insurance and copies of the additional insured endorsements of each Subcontractor of every tier as required in Section 1-07.18(4) Verification of Coverage.

1-07.18(4) Verification of Coverage

The Contractor shall deliver to the Contracting Agency a Certificate(s) of Insurance and endorsements for each policy of insurance meeting the requirements set forth herein when the Contractor delivers the signed Contract for the Work. Failure of the Contracting Agency to demand such verification of coverage with these insurance requirements or failure of the Contracting Agency to identify a deficiency from the insurance documentation provided shall not be construed as a waiver of the Contractor's obligation to maintain such insurance.

Verification of coverage shall include:

1. An ACORD certificate or a form determined by the Contracting Agency to be equivalent.
2. Copies of all endorsements naming Contracting Agency and all other entities listed in Section 1-07.18(2) as additional insured(s), showing the policy number. The Contractor may submit a copy of any blanket additional insured clause from its policies instead of a separate endorsement.

3. Any other amendatory endorsements to show the coverage required herein.
4. A notation of coverage enhancements on the Certificate of Insurance shall not satisfy these requirements – actual endorsements must be submitted.

Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency a full and certified copy of the insurance policy(s). If Builders Risk insurance is required on this project, a full and certified copy of that policy is required when the Contractor delivers the signed Contract for the Work.

1-07.18(5) Coverages and Limits

The insurance shall provide the minimum coverages and limits set forth below. The Contractor's maintenance of insurance, its scope of coverage, and limits as required herein shall not be construed to limit the liability of the Contractor to the coverage provided by such insurance, or otherwise limit the Contracting Agency's recourse to any remedy available at law or in equity.

All deductibles and self-insured retentions must be disclosed and are subject to approval by the Contracting Agency. The cost of any claim payments falling within the deductible or self-insured retention shall be the responsibility of the Contractor. In the event an additional insured incurs a liability subject to any policy's deductibles or self-insured retention, said deductibles or self-insured retention shall be the responsibility of the Contractor.

1-07.18(5)A Commercial General Liability

Commercial General Liability insurance shall be written on coverage forms at least as broad as ISO occurrence form CG 00 01, including but not limited to liability arising from premises, operations, stop gap liability, independent Contractors, products-completed operations, personal and advertising injury, and liability assumed under an insured Contract. There shall be no exclusion for liability arising from explosion, collapse or underground property damage.

The Commercial General Liability insurance shall be endorsed to provide a per project general aggregate limit, using ISO form CG 25 03 05 09 or an equivalent endorsement.

The Contractor shall maintain Commercial General Liability Insurance arising out of the Contractor's completed operations for at least three years following Substantial Completion of the Work.

Such policy must provide the following minimum limits:

$1,000,000	Each Occurrence
$2,000,000	General Aggregate
$2,000,000	Products & Completed Operations Aggregate
$1,000,000	Personal & Advertising Injury each offence
$1,000,000	Stop Gap / Employers' Liability each accident

1-07.18(5)B Automobile Liability

Automobile Liability shall cover owned, non-owned, hired, and leased vehicles; and shall be written on a coverage form at least as broad as ISO form CA 00 01. If the Work involves the transport of pollutants, the automobile liability policy shall include MCS 90 and CA 99 48 endorsements.

Such policy must provide the following minimum limit:

$1,000,000 Combined single limit each accident

1-07.18(5)C Workers' Compensation

The Contractor shall comply with Workers' Compensation coverage as required by the Industrial Insurance laws of the State of Washington.

1-07.18(5)D Excess or Umbrella Liability

(January 4, 2016 APWA GSP)

The Contractor shall provide Excess or Umbrella Liability insurance with limits of not less than one (1) million each occurrence and annual aggregate. This excess or umbrella liability coverage shall be excess over and as least as broad in coverage as the Contractor's Commercial General and Auto Liability insurance.

All entities listed under Section 1-07.18(2) of these Special Provisions shall be named as additional insureds on the Contractor's Excess or Umbrella Liability insurance policy.

This requirement may be satisfied instead through the Contractor's primary Commercial General and Automobile Liability coverages, or any combination thereof that achieves the overall required limits of insurance.

1-07.18(5)K Professional Liability

(January 4, 2016 APWA GSP)

The Contractor and/or its Subcontractor(s) and/or its design consultant providing construction management, value engineering, or any other design-related non-construction professional services shall provide evidence of Professional Liability insurance covering professional errors and omissions.

Such policy shall provide the following minimum limits:

$1,000,000 per claim and annual aggregate

If the scope of such design-related professional services includes Work related to pollution conditions, the Professional Liability insurance shall include coverage for Environmental Professional Liability.

If insurance is on a claims-made form, its retroactive date, and that of all subsequent renewals, shall be no later than the effective date of this Contract.

1-07.23 Public Convenience and Safety

Section 1-07.23 is supplemented with the following:

Site Access

The Plans include a Staging Plan depicting conceptual material laydown and crane platform areas. Environmental restrictions will require the Contractor to provide delivery of equipment and materials and performance of Work by means other than by or off of a barge.

The Contractor may use a haul route along SR 522, 68th Avenue NE, and NE 175th. Use of 61st Avenue NE will not be allowed. The Contractor would be allowed to seek closure of the park for up to a maximum of two (2) days if necessary and approved by the Engineer to facilitate delivery of equipment and/or materials.

The Contractor shall be responsible for various removals/reinstallations/relocations within the Log Boom Park boundaries including:

- Benches and picnic tables
- Bollards
- Gate/gate post
- Trash cans

The Contractor shall be responsible for the protection of various items such as hydrants, trees, and lawn areas. The Contractor shall be responsible for the restoration of lawn areas as deemed necessary by the Engineer.

Payment for the Work as described in this **Site Access** Section shall be in accordance with Section 1-07.16(5) of the Standard Specifications.

1-07.23(1) Construction Under Traffic

Section 1-07.23(1) is supplemented with the following:

(January 2, 2012 WSDOT GSP)

Work Zone Clear Zone

The Work Zone Clear Zone (WZCZ) applies during working and nonworking hours. The WZCZ applies only to temporary roadside objects introduced by the Contractor's operations and does not apply to preexisting conditions or permanent Work. Those Work operations that are actively in progress shall be in accordance with adopted and approved Traffic Control Plans, and other Contract requirements.

During nonworking hours equipment or materials shall not be within the WZCZ unless they are protected by permanent guardrail or temporary concrete barrier. The use of temporary concrete barrier shall be permitted only if the Engineer approves the installation and location.

During actual hours of Work, unless protected as described above, only materials absolutely necessary to construction shall be within the WZCZ and only construction vehicles absolutely necessary to construction shall be allowed within the WZCZ or allowed to stop or park on the Shoulder of the Roadway.

The Contractor's nonessential vehicles and employees private vehicles shall not be permitted to park within the WZCZ at any time unless protected as described above.

Deviation from the above requirements shall not occur unless the Contractor has requested the deviation in writing and the Engineer has provided written approval.

Minimum WZCZ distances are measured from the edge of Traveled Way and will be determined as follows:

Regulatory Posted Speed	Distance From Traveled Way (Feet)
35 mph or less	10 *
40 mph	15
45 to 55 mph	20
60 mph or greater	30

* or 2-feet beyond the outside edge of sidewalk

Minimum Work Zone Clear Zone Distance

1-08 Prosecution and Progress

Add the following new Section:

1-08.0 Preliminary Matters

(May 25, 2006 APWA GSP)

Add the following new Section:

1-08.0(1) Preconstruction Conference

Prior to the Contractor beginning the Work, a preconstruction conference will be held between the Contractor, the Engineer and such other interested parties as may be invited. The purpose of the preconstruction conference will be:

1. To review the initial progress schedule;
2. To establish a working understanding among the various parties associated or affected by the Work;
3. To establish and review procedures for progress payment, notifications, approvals, submittals, etc.;
4. To establish normal working hours for the Work;
5. To review safety standards and traffic control; and
6. To discuss such other related items as may be pertinent to the Work.

The Contractor shall prepare and submit at the preconstruction conference the following:

1. A breakdown of all lump sum items;
2. Working Drawing submittals; and
3. A list of material sources for approval if applicable.

Add the following new Section:

1-08.0(2) Hours of Work

Except in the case of emergency or unless otherwise approved by the Contracting Agency, the normal straight time working hours for the Contract shall be eight hours within a twelve-hour period (7:00 a.m. to 7:00 p.m.) per working day with a maximum 1-hour lunch break and a 5-day Work week.

Written permission from the Engineer is required, if a Contractor desires to perform Work on holidays, Saturdays, or Sundays; before 7:00 a.m. or after 7:00 p.m. on any day. The Contractor shall apply in writing to the Engineer for such permission, no later than noon on the working day prior to the day for which the Contractor is requesting permission to Work.

Permission to Work between the hours of 7:00 p.m. and 7:00 a.m. during weekdays is also subject to noise control requirements. Approval to continue Work during these hours may be revoked at any time the Contractor exceeds the Contracting Agency's noise control regulations or complaints are received from the public or adjoining property owners regarding the noise from the Contractor's operations. The Contractor shall have no claim for damages or delays should such permission be revoked for these reasons.

Permission to Work Saturdays, Sundays, holidays, or other than the agreed upon normal straight time working hours Monday through Friday may be given subject to certain other conditions set forth by the Contracting Agency or Engineer. These conditions may include but are not limited to:

- The Engineer may require designated representatives to be present during the Work. Representatives who may be deemed necessary by the Engineer include, but are not limited to: survey crews; personnel from the Contracting Agency's material testing lab; Inspectors; and other Contracting Agency employees when in the opinion of the Engineer, such Work necessitates their presence.
- On non-Federal aid projects, requiring the Contractor to reimburse the Contracting Agency for the costs in excess of straight-time costs for Contracting Agency representatives who worked during such times.
- Considering the Work performed on Saturdays, Sundays, and holidays as working days with regard to the Contract time.
- Considering multiple Work shifts as multiple working days with respect to Contract time, even though the multiple shifts occur in a single 24-hour period.

1-08.3 Progress Schedule

1-08.3(2) Progress Schedule Types

1-08.3(2)A Type A Progress Schedule
(March 13, 2012 APWA GSP)

Revise this Section to read:

The Contractor shall submit <u>three (3)</u> copies of a Type A Progress Schedule no later than <u>at the preconstruction conference</u>, or some other mutually agreed upon submittal time. The schedule may be a critical path method (CPM) schedule, bar chart, or other standard schedule format. Regardless of which format used, the schedule shall identify the critical path. The Engineer will evaluate the Type A

Progress Schedule and approve or return the schedule for corrections within 15 calendar days of receiving the submittal.

1-08.4 Prosecution of Work

Delete this Section and replace it with the following:

1-08.4 Notice to Proceed and Prosecution of Work

(July 23, 2015 APWA GSP)

Notice to Proceed will be given after the Contract has been executed and the Contract bond and evidence of insurance have been approved and filed by the Contracting Agency. The Contractor shall not commence with the Work until the Notice to Proceed has been given by the Engineer. The Contractor shall commence construction activities on the project site within ten days of the Notice to Proceed Date, unless otherwise approved in writing. The Contractor shall diligently pursue the Work to the Physical Completion Date within the time specified in the Contract. Voluntary shutdown or slowing of operations by the Contractor shall not relieve the Contractor of the responsibility to complete the Work within the time(s) specified in the Contract.

When shown in the Plans, the first order of Work shall be the installation of high visibility fencing to delineate all areas for protection or restoration, as described in the Contract. Installation of high visibility fencing adjacent to the Roadway shall occur after the placement of all necessary signs and traffic control devices in accordance with Section 1-10.1(2). Upon construction of the fencing, the Contractor shall request the Engineer to inspect the fence. No other Work shall be performed on the site until the Contracting Agency has accepted the installation of high visibility fencing, as described in the Contract.

1-08.5 Time for Completion

(August 14, 2013 APWA GSP, Option A)

Revise the third and fourth paragraphs to read:

Contract time shall begin on the first working day following <u>the Notice to Proceed Date</u>.

Each working day shall be charged to the Contract as it occurs, until the Contract Work is Physically Complete. If Substantial Completion has been granted and all the authorized working days have been used, charging of working days will cease. Each week the Engineer will provide the Contractor a statement that shows the number of working days: (1) charged to the Contract the week before; (2) specified for the Physical Completion of the Contract; and (3) remaining for the Physical Completion of the Contract. The statement will also show the nonworking days and any partial or whole day the Engineer declares as unworkable. Within 10 calendar days after the date of each statement, the Contractor shall file a written protest of any alleged discrepancies in it. To be considered by the Engineer, the protest shall be in sufficient detail to enable the Engineer to ascertain the basis and amount of time disputed. By not filing such detailed protest in that period, the Contractor shall be deemed as having accepted the statement as correct. <u>If the Contractor is approved to Work 10 hours a day and 4 days a week (a 4-10 schedule) and the fifth day of the week in which a 4-10 shift is worked would ordinarily be charged as a working day then the fifth day of that week will be charged as a working day whether or not the Contractor works on that day.</u>

Revise the sixth paragraph to read:

The Engineer will give the Contractor written notice of the completion date of the Contract after all the Contractor's obligations under the Contract have been performed by the Contractor. The following events must occur before the Completion Date can be established:

1. The physical Work on the project must be complete; and
2. The Contractor must furnish all documentation required by the Contract and required by law, to allow the Contracting Agency to process final acceptance of the Contract. The following documents must be received by the Project Engineer prior to establishing a Completion Date:
    a. Certified Payrolls (per Section 1-07.9(5)).
    b. Material Acceptance Certification Documents.
    c. Quarterly Reports of Amounts Credited as DBE Participation, as required by the Contract Provisions.
    d. Final Contract Voucher Certification.
    e. Copies of the approved "Affidavit of Prevailing Wages Paid" for the Contractor and all Subcontractors.
    f. Property owner releases per Section 1-07.24.

Section 1-08.5 is supplemented with the following:

(March 13, 1995 WSDOT GSP)
This project shall be physically completed within *** 50 *** working days.

1-08.6 Suspension of Work

Section 1-08.6 is supplemented with the following:

Contract Time may be suspended for procurement of critical materials (Procurement Suspension). In order to receive a Procurement Suspension, the Contractor shall within 21 calendar days after execution by the Contracting Agency, place purchase orders for all materials deemed critical by the Contracting Agency for Physical Completion of the Contract. The Contractor shall provide copies of purchase orders for the critical materials. Such purchase orders shall disclose the purchase order date and estimated delivery dates for such critical material.

The Contractor shall show procurement of the materials listed below as activities in the Progress Schedule. If the approved Progress Schedule indicates that the materials procurement are critical activities, and if the Contractor has provided documentation that purchase orders are placed for the critical materials within the prescribed 21 calendar days, then Contract Time shall be suspended upon Physical Completion of all critical Work except that Work dependent upon the below listed critical materials:

*** Log Boom Park Pedestrian Bridge ***

Charging of Contract Time will resume upon delivery of the critical materials to the Contractor or 90 calendar days after execution by the Contracting Agency, whichever occurs first.

1-09 Measurement and Payment

1-09.6 Force Account

(October 10, 2008 APWA GSP)

Supplement this Section with the following:

The Contracting Agency has estimated and included in the Proposal, dollar amounts for all items to be paid per force account, only to provide a common Proposal for Bidders. All such dollar amounts are to become a part of Contractor's total Bid. However, the Contracting Agency does not warrant expressly or by implication, that the actual amount of Work will correspond with those estimates. Payment will be made on the basis of the amount of Work actually authorized by Engineer.

1-09.9 Payments

(March 13, 2012 APWA GSP)

Delete the first four paragraphs and replace them with the following:

The basis of payment will be the actual quantities of Work performed according to the Contract and as specified for payment.

The Contractor shall submit a breakdown of the cost of lump sum Bid items at the Preconstruction Conference, to enable the Project Engineer to determine the Work performed on a monthly basis. A breakdown is not required for lump sum items that include a basis for incremental payments as part of the respective Specification. Absent a lump sum breakdown, the Project Engineer will make a determination based on information available. The Project Engineer's determination of the cost of Work shall be final.

Progress payments for completed Work and material on hand will be based upon progress estimates prepared by the Engineer. A progress estimate cutoff date will be established at the Preconstruction Conference.

The initial progress estimate will be made not later than 30 days after the Contractor commences the Work, and successive progress estimates will be made every month thereafter until the Completion Date. Progress estimates made during progress of the Work are tentative, and made only for the purpose of determining progress payments. The progress estimates are subject to change at any time prior to the calculation of the final payment.

The value of the progress estimate will be the sum of the following:

1. Unit Price Items in the Bid Form — the approximate quantity of acceptable units of Work completed multiplied by the unit price.
2. Lump Sum Items in the Bid Form — based on the approved Contractor's lump sum breakdown for that item, or absent such a breakdown, based on the Engineer's determination.

3. Materials on Hand — 100 percent of invoiced cost of material delivered to job site or other storage area approved by the Engineer.
4. Change Orders — entitlement for approved extra cost or completed extra Work as determined by the Engineer.

Progress payments will be made in accordance with the progress estimate less:

1. Retainage per Section 1-09.9(1), on non FHWA-funded projects;
2. The amount of progress payments previously made; and
3. Funds withheld by the Contracting Agency for disbursement in accordance with the Contract Documents.

Progress payments for Work performed shall not be evidence of acceptable performance or an admission by the Contracting Agency that any Work has been satisfactorily completed. The determination of payments under the Contract will be final in accordance with Section 1-05.1.

1-09.13 Claims Resolution

1-09.13(3) Claims $250,000 or Less

(October 1, 2005 APWA GSP)

Delete this Section and replace it with the following:

The Contractor and the Contracting Agency mutually agree that those claims that total $250,000 or less, submitted in accordance with Section 1-09.11 and not resolved by nonbinding ADR processes, shall be resolved through litigation unless the parties mutually agree in writing to resolve the claim through binding arbitration.

1-09.13(3)A Administration of Arbitration

(July 23, 2015 APWA GSP)

Revise the third paragraph to read:

> The Contracting Agency and the Contractor mutually agree to be bound by the decision of the arbitrator, and judgment upon the award rendered by the arbitrator may be entered in the Superior Court of <u>the county in which the Contracting Agency's headquarters is located, provided that where claims subject to arbitration are asserted against a county, RCW 36.01.05 shall control venue and jurisdiction of the Superior Court</u>. The decision of the arbitrator and the specific basis for the decision shall be in writing. The arbitrator shall use the Contract as a basis for decisions.

END DIVISION 1

Division 2
Earthwork

2-01 Clearing, Grubbing, and Roadside Cleanup

2-01.1 Description

Section 2-01.1 is supplemented with the following:

(March 13, 1995 WSDOT GSP)
Clearing and grubbing on this project shall be performed within the following limits:

*** As shown on sheet SP1 of the Plans ***.

2-02 Removal of Structures and Obstructions

2-02.3 Construction Requirements

Section 2-02.3 is supplemented with the following:

(February 17, 1998 WSDOT GSP)
Removal of Obstructions
The Contractor shall remove and coordinate for removal of items as necessary to construct a completed project as depicted in the Plans, Standard Specifications and these Special Provisions. Removal items indicated in the Plans shall be included, but may not be limited to, the approximate quantities listed in the table below as part of the lump sum item "Removal of Structure and Obstruction." This list is not intended to be a complete list of every existing appurtenance or item found on the project site, but is provided to give a general list for Bidding purposes. Other removal items shown in the Plans, but not listed, may be paid for under a separate pay item.

Approximate Location	Item Description	Approximate Quantity
Plan Sheet SP1	Existing Concrete	16 SY
Plan Sheet SP1	Existing Boardwalk	22 SF
Plan Sheet SP1	Existing Split-Rail Fence*	33 LF
*To be removed and salvaged for reinstallation.		

2-02.3(3) Removal of Pavement, Sidewalks, Curbs, and Gutters
Section 2-02.3(3) is supplemented with the following:

All full-depth saw cuts shall be continuous, and shall be made with saws specifically equipped for the purpose. No skip cutting or jack hammering will be allowed unless specifically approved otherwise in writing by the Engineer. The location of all pavement cuts shall be where shown in the Plans or as approved by the Engineer in the field before cutting commences.

Care shall be taken to prevent damage to the existing pavement or boardwalk not specified for removal. Any damage to pavement or boardwalk not specified for removal shall be repaired in accordance with Section 1-07.13.

The approximate thickness of the cement concrete pavement is 4 inches.

The approximate thickness of the boardwalk is 6 to 8 inches, consisting of planks and supporting boards.

All saw cutting performed in the Contract shall provide for and include removal and disposal of slurry created from water cooling/lubrication, in accordance with the Washington State Department of Ecology regulations. Waste material (slurry) shall not be allowed to enter drainage systems, ditches, or streams.

2-02.4 Measurement

Section 2-02.4 is supplemented with the following:

Saw cutting existing pavement and boardwalk will be measured by the linear foot along the surface being cut.

2-02.5 Payment

Section 2-02.5 is supplemented with the following:

"Saw Cutting", per linear foot.
The unit Contract price per linear foot for "Saw Cutting" shall be full pay for all costs necessary to complete the Work as specified regardless of the depth encountered or the material to be cut, including collection, removal, and disposal of slurry.

END DIVISION 2

Division 6
Structures

Section 6-20 is added as follows:

6-20 Pre-Engineered Bridges

6-20.1 Description

This Work consists of designing, furnishing, and installing a fully engineered clear span bridge of welded steel construction for the Superstructures at Log Boom Park Pedestrian Bridge, and furnishing and installing the concrete foundations as shown in the Plans.

6-20.2 Materials

Materials for the clear span bridge shall meet the requirements of the following Sections:

Substructure	Concrete Class 4000	9-01 and 9-03

All concrete shall have a minimum 4% air entrainment.

Steel Inserts	ASTM A36	
Weld Material	AWS D1.5	
Gravel Backfill for Walls	Gravel Backfill for Wall	9-03.12(2)
Gravel Base for Foundations	CSBC	9-03.9(3)

Bridges shall be unpainted Weathering Steel fabricated from ASTM A36, *Standard Specification for Carbon Structural Steel*, steel for plates, channels and angles; ASTM A992, *Standard Specification for Structural Steel Shapes*, for structural shapes; and ASTM A500, *Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes*, Grade B for tubular sections. Minimum yield (Fy) shall be 50,000 psi.

Field splices shall be bolted with High Strength ASTM A325, *Standard Specification for Structural Bolts, Steel, Heat Treated, 120/105 ksi Minimum Tensile Strength*, bolts; Type 3 bolts are required for weathering steel bridges.

Welding materials shall be in strict accordance with the American Welding Societ (AWS) Structural Welding Code, D1.1. for tubular members and ANSI/AASHTO/AW D1.5 Bridge Welding Code for structural steel members.

Welders will be certified in accordance with the weld process to be used.

6-20.3 Construction Requirements

6-20.3(1) Design Requirements

Design Criteria

The design of the bridge shall be in accordance with the American Association of State Highway Transportation Officials Standard Specification for Highway Bridges LRFD Bridge Design Specifications, current edition with interim revisions (herein referred to as "AASHTO").

In addition to normal dead loads, the bridge shall be designed for the following:

Uniform Live Load
Pedestrian traffic shall be 90 psf.

Vehicle Loads
Design truck shall be H5.

Wind Load
The bridge Structure shall be designed for wind loads in accordance with AASHTO Section 3.8.1.2.

Seismic
Per AASHTO Section 4.7.4.2 Single Span Bridges and Section 3.10.9.

S_{DS} = 1.007 g
S_{D1} = 0.538 g

Deck
This bridge shall be provided with a steel bar grating deck.

The grating shall utilize bearing bars spaced at 11/16" on center with welded crossbars spaced at 4" on center. The grating shall be designed to carry the imposed deck loads at the stringer or floor beam spacings used in the bridge as determined by the bridge designer. Grating shall be design for loads as specified in Section 6-20.3. Grating shall be galvanized in accordance with ASTM A123, *Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products*, with serrated bearing bars. Reduced load capacity due to serrations shall be considered. Grating shall have a minimum open area of 60%, and meet ADA requirements. The bearing bars shall span in the transverse direction (perpendicular to the normal flow of pedestrian traffic).

6-20.3(2) Qualified Suppliers

Qualified Suppliers Requirements
Each Bidder is required to identify their intended bridge supplier as part of the Bid submittal. Proposed suppliers must have at least five (5) years experience designing and fabricating these type pedestrian and vehicular Structures and a minimum of five (5) successful bridge projects, of similar style and construction as specifically written in these Specifications and Plans. Each project of which has been in service at least three (3) years. List the location, bridge size, owner, and a contact for reference for each project.

The bridge fabricator shall be certified by the American Institute of Steel Construction to have the personnel, organization, experience, capability, and commitment to produce fabricated structural steel for "Conventional Steel Structures and Major Steel Bridges".

The bridge fabricator shall have the "Sophisticated Paint Endorsement and Fracture Critical Endorsement" as set forth in the AISC Certification Program.

Proposed suppliers must have current AISC Shop Certification.

Bid Proposal Requirements

The Contractor must provide the following documentation, for any proposed Supplier with their Bids:

- Name and address of proposed supplier
- Product literature
- AISC Shop Certification
- Experience project information record and contacts

The Contracting Agency will evaluate and verify the accuracy of the submittal with the Bid package that is submitted. If the Contracting Agency determines that the qualifying criteria have not been met, the Contractor's proposed supplier shall be rejected. This ruling shall be final.

6-20.3(3) Warranty

The manufacturer shall provide a warranty against defects in material and workmanship for a period of ten (10) years.

6-20.3(4) Bridge Type

The top and bottom chord of the truss shall be fabricated from HSS steel and cambered for dead load on a smooth radius.

The bridge truss shall include a safety railing. Continuous rails shall be located on the outside face of the trusses and be in accordance with AASHTO Section 13.8.1.

Superstructure depth measured from the bridge deck surface to bottom of steel shall be maintained as indicated in the Plans. In no case shall the bottom chord be lower than the Q100 flood elevation noted in the Plans.

Depth measured from deck level to top chord shall be as indicated in the Plans.

The bridge shall be manufactured with zero skew, and no super elevation to comply with the Plans.

Concrete abutment design including the top of back-wall height shall be maintained as shown in the Plans. Final anchor bolt locations, the height and spacing of bearing pedestals are to be set to match the approved final bridge design.

The concrete abutments shown in the Plans are conducive to the bridge shown in the Plans. Any changes (except a minor adjustment of the bearing pedestal elevation) needed to modify abutments for alternate bridge types and details must be designed and sealed by a registered Professional Engineer in the State of Washington at no additional cost to the Contracting Agency.

Steel bar grating deck shall be supplied by the bridge manufacturer.

The bridge deck shall include a steel cover plate that covers any gap between the bridge deck and the abutment backwall. The cover plate shall be flush with the top of the deck and the abutment backwall to eliminate any tripping hazard.

6-20.3(5) Dimensions

Width
Inside clear width of the bridge shall be as indicated in the Plans.

Span
Face of back wall to face of back wall shall be as shown in the Plans.

Camber
The bridge shall be cambered to offset dead load and appear flat. All vertical truss members shall be perpendicular to the bottom chord of the truss after the bridge is erected and all dead loads applied.

6-20.3(6) Submittals

At the Pre-Construction Conference, the Contractor shall submit the following:

Design calculations prepared by a Professional Engineer registered in the State of Washington.

Shop Drawings shall be Type 2E Working Drawings in accordance with Section 1-05.3 of the Special Provisions, describing all elements of the proposed bridge, bridge deck, bearings, and anchor bolts.

Fabrication shall not begin until Shop Drawings have been reviewed and approved by the Engineer. The Contractor shall be responsible for verification of all field dimensions prior to bridge fabrication

At a minimum, the bridge Shop Drawings shall include:

Steel construction materials
Fabrication welding processed
Finishes
Overall dimensions (Plan & Section)
Bearing details
Railing details
Deck details
Design calculations
Erection Plan

Fabrication and Quality Control
To ensure consistently high levels of quality fabrication, the bridge fabricator shall be the designer and supplier of the bridge and shall not assign, sublet, or subcontract any part of bridge fabrication.

The bridge fabricator shall maintain a full-time Certified Welding Inspector (CWI) on staff for inspection of bridge fabrication, maintaining accurate records, and other necessary aspects of bridge fabrication to ensure consistently high levels of quality fabrication.

Workmanship, fabrication, and shop connections shall be in accordance with the AASHTO.

Welding

Welding operators shall be properly accredited experienced operators, each of whom shall submit satisfactory evidence of experience and skill in welding structural steel with the kind of welding to be used in the Work, and who have demonstrated the ability to make uniform good welds meeting the size and type of weld required.

All welding shall utilize E70 or E80 series electrodes. The weld process used shall be Flux Core Arc Welding (FCAW) or Gas Metal Arc Welding (GMAW) or Shielded Manual Arc Welding (SMAW) per AWS D1.1 or ANSI/AASHTO/AWS D1.5 “Bridge Welding Code.”

All welds shall be visually inspected by a Certified Welding Inspector. All complete penetration chord member welds shall be Magnetic Particle (MT) inspected and 10% of all other welds shall be MT tested.

Finishes

Blast Cleaning

All Blast Cleaning shall be done in the fabricator’s OSHA approved indoor facility. Blast operations shall use Best Management Practices and exercise environmentally friendly blast media recovery systems. To aid in providing a uniformly “weathered” appearance, all exposed surfaces of steel shall be blast cleaned in accordance with Steel Structures Painting Council Surface Preparation Specifications No. 7 Brush-Off Blast Cleaning, SSPC-SP7 latest edition.

Weathering steel bridges shall have all boldly exposed surfaces sand blasted in accordance with the Steel Structures Painting Council (SSPC) Surface Preparation Specification No. 7 "Commercial Blast Cleaning".

Exposed surfaces of steel shall be defined as those surfaces seen from the deck and from outside of the Structure. Stringers, floor beams, lower brace diagonals and the inside face of the truss below deck and bottom face of the bottom chord need not be blasted.

Concrete decks shall have a textured combed surface.

Delivery and Erection

The bridge shall be delivered by truck to the material lay-down location as shown on sheet ST-1 of the Plans.

Hauling permits and freight charges are the responsibility of the manufacturer.

The manufacturer will notify the Contractor in advance of the expected arrival time. Information regarding delays after the trucks depart the plant such as inclement weather, delays in permits, re-routing by public agencies or other circumstances will be passed on to the customer as soon as possible but the expense of such unavoidable delays will be the responsibility of the Contractor.

The Contractor shall notify the Contracting Agency of the expected arrival time. The Contractor shall be on site during delivery of the bridge to oversee the delivery, including inspection of the delivered bridge. Any required repair of damages to the delivered bridge

shall be the responsibility of the Contractor at no additional expense to the Contracting Agency.

The manufacturer will advise the Contractor of the actual lifting weights, attachment points and all necessary information to install the bridge. Unloading, splicing, bolting, and proper lifting equipment is the responsibility of the Contractor.

A manufacturer's representative must be present at the project site during erection of the bridge to certify compliance.

6-20.4 Measurement

"Log Boom Park Pedestrian Bridge" contains the following approximate quantities of materials and Work:

Class 4000 Concrete for Substructure	16 CY
Gravel Backfill for Walls	30 CY
Crushed Surfacing Base Course (CSBC)	17 CY
Structural Excavation Class A	24 CY
Pre-Engineered Steel Truss Bridge	35 foot span x 8 foot clear width

The quantities are listed only for the convenience of the Contractor in determining the volume of Work involved and are not guaranteed to be accurate. The prospective Bidders shall verify these quantities before submitting a Bid. No adjustments other than for approved changes will be made in the lump sum Contract price for "Log Boom Park Pedestrian Bridge" even though the actual quantities required may deviate from those listed.

The quantity for "Structural Excavation Class A" is measured as the neat line volume below finished grade to the bottom of the gravel pad.

6-20.5 Payment

Payment will be made for the following Bid item when it is included in the Proposal:

"Log Boom Park Pedestrian Bridge", lump sum.
The lump sum Contract price for "Log Boom Park Pedestrian Bridge" shall be full pay for performing the Work as specified, including all cost required to design, furnish submittals, furnish and fabricate the bridge components delivery and bridge erection. Included shall be all foundation concrete and reinforcing, grout, and materials for the bearings, anchor bolts, steel bar grating deck, utility hangers, conduit, and railing and other ancillary elements for a complete system.

<u>Bridge and Structures Minor Items</u>
For the purpose of payment, such bridge and Structures items as grout for keyways, welding, blockouts, utility hangers, conduit, anchor bolts, traffic signs etc., for which there is no pay item included in the Proposal, are considered as bridge and Structures minor items. All costs in connection with furnishing and installing these bridge and Structures minor items as shown and noted in the Plans and as outlined in these Specifications and in the Standard Specifications shall be included in the lump sum Bid Item "Log Boom Park Pedestrian Bridge".

END DIVISION 6

Division 7
Drainage Structures, Storm Sewers, Sanitary Sewers, Water Mains, and Conduits

7-01 Drains

7-01.1 Description

Section 7-01 is supplemented with the following:

This Work consists of constructing area drains and round river rock drains in accordance with the Plans and these Specifications, at the locations staked or approved by the Engineer.

7-01.2 Materials

Section 7-01.2 is supplemented with the following:

Area drains shall be composed of High Density Polyethylene (HDPE) or polyolefin for round and square area drains, and their grates. Material used under the bottom of the area drain shall meet the requirements of Section 9-03.9(3), Crushed Surfacing Top Course. Area drain components shall be uniform in quality, free from flashing, shrinkage, distortion, and other defects. Component parts shall fit together in a satisfactory manner acceptable to the Engineer. Area drains shall have a solid bottom and tees for inlet and/or outlet pipes.

Round river rock shall meet the following requirements for grading:

Sieve Size	Percent Passing
1”	95 - 100
½”	25 - 60
#4	0 - 10
#8	0 - 5

7-01.3 Construction Requirements

Section 7-01.3 is supplemented with the following:

Area Drains

Area drains shall be furnished and installed in accordance with the manufacturer’s Specifications and the details shown in the Plans.

7-01.4 Measurement

Section 7-01.4 is supplemented with the following:

Area drains will be measured per each.

Round river rock drains will be measured per linear foot.

7-01.5 Payment

Section 7-01.5 is supplemented with the following:

"Area Drain, 12 In. Square", per each.
The unit Contract price per each for Area Drain, 12 In. Square" shall be full pay for all labor, tools, equipment, and materials necessary to complete the Work as specified, including excavation, area drain casings, grates, crushed surfacing top course, and connections to new inlet/outlet pipes.

"Round River Rock Drain", per linear foot.
The unit Contract price per linear foot for "Round River Rock Drain" shall be full pay for all labor, tools, equipment, and materials necessary to complete the Work as specified, including excavation and round river rock.

7-04 Storm Sewers

7-04.5 Payment

Section 7-04.5 is supplemented with the following:

The unit Contract price per foot for storm sewer pipe of any kind and size specified shall be full pay for all labor, tools, materials, and equipment necessary to provide and install the item complete including saw cutting; removal, hauling, and disposing of pavement; Structure excavation including haul; bedding and backfill materials; compaction; fittings; cleaning (flushing) and testing the pipe; and providing beveled ends.

7-05.3 Manholes, Inlets, Catch Basins, and Drywells

7-05.5 Payment

Section 7-05.5 is supplemented with the following:

The unit Contract price per each for manholes, inlets, and catch basins of any kind and size specified shall be full pay for all labor, tools, materials, and equipment necessary to provide and install the item complete including saw cutting; removal, hauling, and disposing of pavement; Structure excavation including haul; bedding and backfill materials; compaction; seals; and frames and grates.

END DIVISION 7

Division 8
Miscellaneous Construction

8-01 Erosion Control and Water Pollution Control

8-01.5 Payment

Section 8-01.5 is supplemented with the following:

"Erosion/Water Pollution Control", lump sum.
The lump sum Contract price for "Erosion/Water Pollution Control" shall be full pay for providing, installing, maintaining, and removing all erosion and water pollution measures called for in the Plans and Section 8-01.3 of the Standard Specifications as applicable for this project.

8-02 Roadside Restoration

8-02.1 Materials

Section 8-02.1 is supplemented with the following:

Arborist Mulch 9-14.4(9) Special Provisions

8-02.3 Construction Requirements

8-02.3(3) Weed and Pest Control

Section 8-02.3(3) is supplemented with the following:

Unwanted Vegetation

In addition to noxious weeds, unwanted vegetation throughout the project limits includes:

- Butterfly bush (Buddleia spp.)
- Canadian thistle (Cirsium arvense)
- Common reed (Phragmites australis)
- Evergreen blackberry (Rubus laciniatus)
- Giant hogweed (Heracleum Mantegazzianum)
- Hedge bindweed (Calystegia sepium)
- Himalayan blackberry (Rubus discolor or R. procerus)
- Knotweed (Polygonum cuspidatum, P. bohemicum, P. sachalinense, P. polystachyum)
- Purple loosestrife (Lythrum salicaria)
- Reed Canarygrass (Phalaris arundinacea)
- Scotch broom (Cytisus scoparius)

The Contractor shall remove unwanted vegetation within the project area where shown in the Plans or as designated by the Engineer. The Contractor shall remove unwanted vegetation by hand or hand-held devices, or other methods as approved by the

Engineer. Removed unwanted vegetation materials shall become the property of the Contractor and legally disposed of outside the project limits.

8-02.3(4) Topsoil

8-02.3(4)A Topsoil Type A
Section 8-02.3(4)A is supplemented with the following:

Topsoil Type A shall be a commercially available three-way mix.

8-02.3(8) Planting
Section 8-02.3(8) is supplemented with the following:

Where shown and as detailed in the Plans or as designated by the Engineer, the Contractor shall remove and relocate existing riparian plantings. The Contractor shall remove and replant each plant in the same day. Removal and replanting shall be performed in the winter dormant season, mid-November to mid-March.

8-02.4 Measurement
The first paragraph of Section 8-02.4 is revised to read as follows:

Topsoil, mulch, and soil amendments will be measured by the cubic yard in the haul conveyance at the point of delivery.

8-02.5 Payment
Section 8-02.5 is supplemented with the following:

"Topsoil Type A", per cubic yard.
The unit Contract price per cubic yard for "Topsoil Type A" shall be full pay for providing the source of material for topsoil Type A, for pre-excavation weed control, excavating, loading, hauling, intermediate windrowing, stockpiling, weed control on stockpiles or windrows, and removal, placing, spreading, processing, cultivating, and compacting topsoil Type A.

"Arborist Mulch", per cubic yard.
The unit Contract price per cubic yard for "Arborist Mulch" shall be full pay for furnishing and spreading the mulch onto the existing soil.

"Remove Unwanted Vegetation", lump sum.

"Relocate Existing Riparian Plants", lump sum.
The lump sum Contract price for "Relocate Existing Riparian Plants" shall full payment for all costs incurred by the Contractor to remove and replant, including excavation, backfilling, and scarification.

8-05 Vacant
Section 8-05, including title, is revised to read as follows:

8-05 Pedestrian Handrailing

8-05.1 Description

This Work consists of furnishing and constructing metal handrailing of the type specified in accordance with the Plans, these Specifications, and Standard Plans at the locations shown in the Plans and in conformity with the lines as staked.

8-05.2 Materials

Steel pedestrian handrail shall be constructed in accordance with King County Figure 5-008 and these Specifications.

The steel railing units shall be minimum A53 Type E, Grade B, 2-inch nominal diameter. Posts, handrails, connections, joints and hardware shall have a smooth surface. All steel shall be galvanized. Any welding or repair in the field shall be painted in accordance with Section 6-07.3 of the Standard Specifications. Post footings shall be constructed of concrete Class 4000.

8-05.3 Construction Requirements

8-05.3(1) Fabrication

Before fabricating the railing, the Contractor shall submit 6 copies of the Shop Drawings for the Engineer's approval. The Contractor may substitute other rail connection details for those shown in the Plans if details of these changes are indicated as such in the Shop Drawings and if the Engineer approves. In reviewing Shop Drawings, the Engineer indicates only that they appear complete and address the basic project requirements. Approval does not indicate a check on dimensions.

Welding shall conform to the requirements of the "Structural Welding Code" AWS D1.1 for steel. All exposed welds shall be ground flush with adjacent surfaces. Railing panels shall be straight and true to dimensions. Adjacent railing panels shall align with each other with a variation not to exceed 1/16 inch. Joints shall be match marked.

8-05.3(2) Installation

The railing shall be carefully erected, true to line and grade. Posts and balusters shall be vertical with the direction from the vertical for the full height of the panel not exceeding 1/8 inch. The posts shall be installed through cored holes in the cement concrete sidewalk, and set in a foundation of concrete Class 4000.

8-05.4 Measurement

Pedestrian railing will be measured by the linear foot along the line and slope at the base of the completed handrail.

8-05.5 Payment

Payment will be made in accordance with Section 1-04.1, for the following Bid item:

"Pedestrian Handrailing", per linear foot.
The unit Contract price per linear foot for "Pedestrian Handrailing" shall be full pay to performing the Work as specified, including coring of the sidewalk and the post foundation concrete.

8-12 Chain Link Fence and Wire Fence

8-12.1 Description

Section 8-12.1 is supplemented with the following:

This Work consists of providing and installing temporary chain link fence.

8-12.3 Construction Requirements

8-12.3(1) Chain Link Fence and Gates

8-12.3(1)F Temporary Chain Link Fencing

Section 8-12.3(1)F is added as follows:

Temporary chain link fencing shall be of a movable and freestanding commercial type of the height shown in the Plans. Fencing shall be joined together at all joints and come equipped with footing supports for fencing stability. The Contractor shall be responsible for placing and adjusting fencing as necessary during the course of Work as required. When the fencing is no longer required and as approved by the Engineer, the Contractor shall remove the temporary fencing from the project site.

8-12.4 Measurement

Section 8-12.4 is supplemented with the following:

Temporary chain link fence will be measured by the linear foot along the ground line of fencing actually provided.

8-12.5 Payment

Section 8-12.5 is supplemented with the following:

"Temporary Chain Link Fence", per linear foot.

The unit Contract price per linear foot for "Temporary Chain Link Fence" shall be full pay for furnishing and installing temporary fencing, intermediate adjustments, and removal of fencing.

8-15 Riprap

8-15.2 Materials

Section 8-15.2 is supplemented with the following:

Streambed Cobbles	9-03.11(2)

8-15.4 Measurement

Section 8-15.4 is supplemented with the following:

Streambed cobbles will be measured by the ton.

8-15.5 Payment

Section 8-15.5 is supplemented with the following:

"Streambed Cobbles", per ton.

The unit Contract price per ton for "Streambed Cobbles" shall be full pay for all costs in furnishing, placing, and compacting streambed cobbles.

END DIVISION 8

Division 9
Materials

9-14 Erosion Control and Roadside Planting

9-14.4 Mulch and Amendments

Section 9-14.4(9) is added as follows:

9-14.4(9) Arborist Mulch

Arborist Mulch shall be coarse ground wood chips (approximately 1/2” to 6” along the longest dimension) derived from the mechanical grinding or shredding of the above-ground portions of trees. It may contain wood, wood fiber, bark, branches, and leaves, but may not contain visible amounts of soil. It shall be free of weeds and weed seeds, and shall be free of invasive plant portions capable of resprouting, including but not limited to horsetail, ivy, clematis, knotweed, etc. It may not contain more than 1/2% by weight of manufactured inert material (plastic, concrete, ceramics, metal, etc.).

Arborist Mulch, when tested, shall meet the following loose volume gradation:

	Percent Passing	
Sieve Size	Minimum	Maximum
2”	95	100
1”	70	100
5/8”	0	50
No. 4	0	30

At the Engineer’s request, prior to delivery the Contractor shall provide the following:

1. The source of the product and species of trees included in it;
2. A sieve analysis verifying the product meets the above size gradation requirement;
3. A 5 gallon sample of the product, for the Engineer’s approval.

END DIVISION 9

STATE OF WASHINGTON
PREVAILING WAGE RATES

State of Washington
Department of Labor & Industries

Prevailing Wage Section - Telephone 360-902-5335
PO Box 44540, Olympia, WA 98504-4540

Washington State Prevailing Wage

The PREVAILING WAGES listed here include both the hourly wage rate and the hourly rate of fringe benefits. On public works projects, worker's wage and benefit rates must add to not less than this total. A brief description of overtime calculation requirements are provided on the Benefit Code Key.

Journey Level Prevailing Wage Rates for the Effective Date: 2/11/2016

County	Trade	Job Classification	Wage	Holiday	Overtime	Note
King	Asbestos Abatement Workers	Journey Level	$43.95	5D	1H	
King	Boilermakers	Journey Level	$64.29	5N	1C	
King	Brick Mason	Journey Level	$52.82	5A	1M	
King	Brick Mason	Pointer-Caulker-Cleaner	$52.82	5A	1M	
King	Building Service Employees	Janitor	$22.09	5S	2F	
King	Building Service Employees	Traveling Waxer/Shampooer	$21.70	5S	2F	
King	Building Service Employees	Window Cleaner (Non-Scaffold)	$24.94	5S	2F	
King	Building Service Employees	Window Cleaner (Scaffold)	$25.80	5S	2F	
King	Cabinet Makers (In Shop)	Journey Level	$22.74		1	
King	Carpenters	Acoustical Worker	$54.02	5D	4C	
King	Carpenters	Bridge, Dock And Wharf Carpenters	$54.02	5D	4C	
King	Carpenters	Carpenter	$54.02	5D	4C	
King	Carpenters	Carpenters on Stationary Tools	$54.15	5D	4C	
King	Carpenters	Creosoted Material	$54.12	5D	4C	
King	Carpenters	Floor Finisher	$54.02	5D	4C	
King	Carpenters	Floor Layer	$54.02	5D	4C	
King	Carpenters	Scaffold Erector	$54.02	5D	4C	
King	Cement Masons	Journey Level	$53.95	7A	1M	
King	Divers & Tenders	Diver	$107.22	5D	4C	8A
King	Divers & Tenders	Diver On Standby	$64.42	5D	4C	
King	Divers & Tenders	Diver Tender	$58.33	5D	4C	
King	Divers & Tenders	Surface Rcv & Rov Operator	$58.33	5D	4C	
King	Divers & Tenders	Surface Rcv & Rov Operator Tender	$54.27	5A	4C	
King	Dredge Workers	Assistant Engineer	$56.44	5D	3F	
King	Dredge Workers	Assistant Mate (Deckhand)	$56.00	5D	3F	
King	Dredge Workers	Boatmen	$56.44	5D	3F	

King	Dredge Workers	Engineer Welder	$57.51	5D	3F	
King	Dredge Workers	Leverman, Hydraulic	$58.67	5D	3F	
King	Dredge Workers	Mates	$56.44	5D	3F	
King	Dredge Workers	Oiler	$56.00	5D	3F	
King	Drywall Applicator	Journey Level	$54.02	5D	1H	
King	Drywall Tapers	Journey Level	$54.07	5P	1E	
King	Electrical Fixture Maintenance Workers	Journey Level	$26.59	5L	1E	
King	Electricians - Inside	Cable Splicer	$66.76	7C	4E	
King	Electricians - Inside	Cable Splicer (tunnel)	$71.67	7C	4E	
King	Electricians - Inside	Certified Welder	$64.54	7C	4E	
King	Electricians - Inside	Certified Welder (tunnel)	$69.22	7C	4E	
King	Electricians - Inside	Construction Stock Person	$37.19	7C	4E	
King	Electricians - Inside	Journey Level	$62.30	7C	4E	
King	Electricians - Inside	Journey Level (tunnel)	$66.76	7C	4E	
King	Electricians - Motor Shop	Craftsman	$15.37		1	
King	Electricians - Motor Shop	Journey Level	$14.69		1	
King	Electricians - Powerline Construction	Cable Splicer	$69.95	5A	4D	
King	Electricians - Powerline Construction	Certified Line Welder	$63.97	5A	4D	
King	Electricians - Powerline Construction	Groundperson	$43.62	5A	4D	
King	Electricians - Powerline Construction	Heavy Line Equipment Operator	$63.97	5A	4D	
King	Electricians - Powerline Construction	Journey Level Lineperson	$63.97	5A	4D	
King	Electricians - Powerline Construction	Line Equipment Operator	$53.81	5A	4D	
King	Electricians - Powerline Construction	Pole Sprayer	$63.97	5A	4D	
King	Electricians - Powerline Construction	Powderperson	$47.55	5A	4D	
King	Electronic Technicians	Journey Level	$31.00		1	
King	Elevator Constructors	Mechanic	$82.67	7D	4A	
King	Elevator Constructors	Mechanic In Charge	$89.40	7D	4A	
King	Fabricated Precast Concrete Products	All Classifications - In-Factory Work Only	$15.90	5B	1R	
King	Fence Erectors	Fence Erector	$15.18		1	
King	Flaggers	Journey Level	$37.26	7A	3I	
King	Glaziers	Journey Level	$56.16	7L	1Y	
King	Heat & Frost Insulators And Asbestos Workers	Journeyman	$63.18	5J	1S	
King	Heating Equipment Mechanics	Journey Level	$72.83	7F	1E	
King	Hod Carriers & Mason Tenders	Journey Level	$45.32	7A	3I	
King	Industrial Power Vacuum Cleaner	Journey Level	$9.47		1	

King	Inland Boatmen	Boat Operator	$56.78	5B	1K	
King	Inland Boatmen	Cook	$53.30	5B	1K	
King	Inland Boatmen	Deckhand	$53.30	5B	1K	
King	Inland Boatmen	Deckhand Engineer	$54.32	5B	1K	
King	Inland Boatmen	Launch Operator	$55.57	5B	1K	
King	Inland Boatmen	Mate	$55.57	5B	1K	
King	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator, Foamer Operator	$31.49		1	
King	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	$11.48		1	
King	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	$24.91		1	
King	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	$19.33		1	
King	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Tv Truck Operator	$20.45		1	
King	Insulation Applicators	Journey Level	$54.02	5D	4C	
King	Ironworkers	Journeyman	$63.53	7N	1O	
King	Laborers	Air, Gas Or Electric Vibrating Screed	$43.95	7A	3I	
King	Laborers	Airtrac Drill Operator	$45.32	7A	3I	
King	Laborers	Ballast Regular Machine	$43.95	7A	3I	
King	Laborers	Batch Weighman	$37.26	7A	3I	
King	Laborers	Brick Pavers	$43.95	7A	3I	
King	Laborers	Brush Cutter	$43.95	7A	3I	
King	Laborers	Brush Hog Feeder	$43.95	7A	3I	
King	Laborers	Burner	$43.95	7A	3I	
King	Laborers	Caisson Worker	$45.32	7A	3I	
King	Laborers	Carpenter Tender	$43.95	7A	3I	
King	Laborers	Caulker	$43.95	7A	3I	
King	Laborers	Cement Dumper-paving	$44.76	7A	3I	
King	Laborers	Cement Finisher Tender	$43.95	7A	3I	
King	Laborers	Change House Or Dry Shack	$43.95	7A	3I	
King	Laborers	Chipping Gun (under 30 Lbs.)	$43.95	7A	3I	
King	Laborers	Chipping Gun(30 Lbs. And Over)	$44.76	7A	3I	
King	Laborers	Choker Setter	$43.95	7A	3I	
King	Laborers	Chuck Tender	$43.95	7A	3I	
King	Laborers	Clary Power Spreader	$44.76	7A	3I	
King	Laborers	Clean-up Laborer	$43.95	7A	3I	
King	Laborers	Concrete Dumper/chute Operator	$44.76	7A	3I	

King	Laborers	Concrete Form Stripper	$43.95	7A	3I	
King	Laborers	Concrete Placement Crew	$44.76	7A	3I	
King	Laborers	Concrete Saw Operator/core Driller	$44.76	7A	3I	
King	Laborers	Crusher Feeder	$37.26	7A	3I	
King	Laborers	Curing Laborer	$43.95	7A	3I	
King	Laborers	Demolition: Wrecking & Moving (incl. Charred Material)	$43.95	7A	3I	
King	Laborers	Ditch Digger	$43.95	7A	3I	
King	Laborers	Diver	$45.32	7A	3I	
King	Laborers	Drill Operator (hydraulic,diamond)	$44.76	7A	3I	
King	Laborers	Dry Stack Walls	$43.95	7A	3I	
King	Laborers	Dump Person	$43.95	7A	3I	
King	Laborers	Epoxy Technician	$43.95	7A	3I	
King	Laborers	Erosion Control Worker	$43.95	7A	3I	
King	Laborers	Faller & Bucker Chain Saw	$44.76	7A	3I	
King	Laborers	Fine Graders	$43.95	7A	3I	
King	Laborers	Firewatch	$37.26	7A	3I	
King	Laborers	Form Setter	$43.95	7A	3I	
King	Laborers	Gabian Basket Builders	$43.95	7A	3I	
King	Laborers	General Laborer	$43.95	7A	3I	
King	Laborers	Grade Checker & Transit Person	$45.32	7A	3I	
King	Laborers	Grinders	$43.95	7A	3I	
King	Laborers	Grout Machine Tender	$43.95	7A	3I	
King	Laborers	Groutmen (pressure)including Post Tension Beams	$44.76	7A	3I	
King	Laborers	Guardrail Erector	$43.95	7A	3I	
King	Laborers	Hazardous Waste Worker (level A)	$45.32	7A	3I	
King	Laborers	Hazardous Waste Worker (level B)	$44.76	7A	3I	
King	Laborers	Hazardous Waste Worker (level C)	$43.95	7A	3I	
King	Laborers	High Scaler	$45.32	7A	3I	
King	Laborers	Jackhammer	$44.76	7A	3I	
King	Laborers	Laserbeam Operator	$44.76	7A	3I	
King	Laborers	Maintenance Person	$43.95	7A	3I	
King	Laborers	Manhole Builder-mudman	$44.76	7A	3I	
King	Laborers	Material Yard Person	$43.95	7A	3I	
King	Laborers	Motorman-dinky Locomotive	$44.76	7A	3I	
King	Laborers	Nozzleman (concrete Pump, Green Cutter When Using Combination Of High Pressure Air & Water On Concrete & Rock, Sandblast, Gunite,	$44.76	7A	3I	

		Shotcrete, Water Bla				
King	Laborers	Pavement Breaker	$44.76	7A	3I	
King	Laborers	Pilot Car	$37.26	7A	3I	
King	Laborers	Pipe Layer Lead	$45.32	7A	3I	
King	Laborers	Pipe Layer/tailor	$44.76	7A	3I	
King	Laborers	Pipe Pot Tender	$44.76	7A	3I	
King	Laborers	Pipe Reliner	$44.76	7A	3I	
King	Laborers	Pipe Wrapper	$44.76	7A	3I	
King	Laborers	Pot Tender	$43.95	7A	3I	
King	Laborers	Powderman	$45.32	7A	3I	
King	Laborers	Powderman's Helper	$43.95	7A	3I	
King	Laborers	Power Jacks	$44.76	7A	3I	
King	Laborers	Railroad Spike Puller - Power	$44.76	7A	3I	
King	Laborers	Raker - Asphalt	$45.32	7A	3I	
King	Laborers	Re-timberman	$45.32	7A	3I	
King	Laborers	Remote Equipment Operator	$44.76	7A	3I	
King	Laborers	Rigger/signal Person	$44.76	7A	3I	
King	Laborers	Rip Rap Person	$43.95	7A	3I	
King	Laborers	Rivet Buster	$44.76	7A	3I	
King	Laborers	Rodder	$44.76	7A	3I	
King	Laborers	Scaffold Erector	$43.95	7A	3I	
King	Laborers	Scale Person	$43.95	7A	3I	
King	Laborers	Sloper (over 20")	$44.76	7A	3I	
King	Laborers	Sloper Sprayer	$43.95	7A	3I	
King	Laborers	Spreader (concrete)	$44.76	7A	3I	
King	Laborers	Stake Hopper	$43.95	7A	3I	
King	Laborers	Stock Piler	$43.95	7A	3I	
King	Laborers	Tamper & Similar Electric, Air & Gas Operated Tools	$44.76	7A	3I	
King	Laborers	Tamper (multiple & Self-propelled)	$44.76	7A	3I	
King	Laborers	Timber Person - Sewer (lagger, Shorer & Cribber)	$44.76	7A	3I	
King	Laborers	Toolroom Person (at Jobsite)	$43.95	7A	3I	
King	Laborers	Topper	$43.95	7A	3I	
King	Laborers	Track Laborer	$43.95	7A	3I	
King	Laborers	Track Liner (power)	$44.76	7A	3I	
King	Laborers	Traffic Control Laborer	$39.84	7A	3I	8R
King	Laborers	Traffic Control Supervisor	$39.84	7A	3I	8R
King	Laborers	Truck Spotter	$43.95	7A	3I	
King	Laborers	Tugger Operator	$44.76	7A	3I	
King	Laborers	Tunnel Work-Compressed Air Worker 0-30 psi	$74.29	7A	3I	8Q
King	Laborers	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	$79.32	7A	3I	8Q

King	Laborers	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	$83.00	7A	3I	8Q
King	Laborers	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	$88.70	7A	3I	8Q
King	Laborers	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	$90.82	7A	3I	8Q
King	Laborers	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	$95.92	7A	3I	8Q
King	Laborers	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	$97.82	7A	3I	8Q
King	Laborers	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	$99.82	7A	3I	8Q
King	Laborers	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	$101.82	7A	3I	8Q
King	Laborers	Tunnel Work-Guage and Lock Tender	$45.42	7A	3I	8Q
King	Laborers	Tunnel Work-Miner	$45.42	7A	3I	8Q
King	Laborers	Vibrator	$44.76	7A	3I	
King	Laborers	Vinyl Seamer	$43.95	7A	3I	
King	Laborers	Watchman	$33.86	7A	3I	
King	Laborers	Welder	$44.76	7A	3I	
King	Laborers	Well Point Laborer	$44.76	7A	3I	
King	Laborers	Window Washer/cleaner	$33.86	7A	3I	
King	Laborers - Underground Sewer & Water	General Laborer & Topman	$43.95	7A	3I	
King	Laborers - Underground Sewer & Water	Pipe Layer	$44.76	7A	3I	
King	Landscape Construction	Irrigation Or Lawn Sprinkler Installers	$13.56		1	
King	Landscape Construction	Landscape Equipment Operators Or Truck Drivers	$28.17		1	
King	Landscape Construction	Landscaping or Planting Laborers	$17.87		1	
King	Lathers	Journey Level	$54.02	5D	1H	
King	Marble Setters	Journey Level	$52.82	5A	1M	
King	Metal Fabrication (In Shop)	Fitter	$15.86		1	
King	Metal Fabrication (In Shop)	Laborer	$9.78		1	
King	Metal Fabrication (In Shop)	Machine Operator	$13.04		1	
King	Metal Fabrication (In Shop)	Painter	$11.10		1	
King	Metal Fabrication (In Shop)	Welder	$15.48		1	
King	Millwright	Journey Level	$55.52	5D	4C	
King	Modular Buildings	Cabinet Assembly	$11.56		1	
King	Modular Buildings	Electrician	$11.56		1	
King	Modular Buildings	Equipment Maintenance	$11.56		1	
King	Modular Buildings	Plumber	$11.56		1	
King	Modular Buildings	Production Worker	$9.47		1	
King	Modular Buildings	Tool Maintenance	$11.56		1	

King	Modular Buildings	Utility Person	$11.56		1	
King	Modular Buildings	Welder	$11.56		1	
King	Painters	Journey Level	$37.80	6Z	2B	
King	Pile Driver	Journey Level	$54.27	5D	4C	
King	Plasterers	Journey Level	$51.68	7Q	1R	
King	Playground & Park Equipment Installers	Journey Level	$9.47		1	
King	Plumbers & Pipefitters	Journey Level	$74.69	6Z	1G	
King	Power Equipment Operators	Asphalt Plant Operators	$56.94	7A	3C	8P
King	Power Equipment Operators	Assistant Engineer	$53.57	7A	3C	8P
King	Power Equipment Operators	Barrier Machine (zipper)	$56.44	7A	3C	8P
King	Power Equipment Operators	Batch Plant Operator, Concrete	$56.44	7A	3C	8P
King	Power Equipment Operators	Bobcat	$53.57	7A	3C	8P
King	Power Equipment Operators	Brokk - Remote Demolition Equipment	$53.57	7A	3C	8P
King	Power Equipment Operators	Brooms	$53.57	7A	3C	8P
King	Power Equipment Operators	Bump Cutter	$56.44	7A	3C	8P
King	Power Equipment Operators	Cableways	$56.94	7A	3C	8P
King	Power Equipment Operators	Chipper	$56.44	7A	3C	8P
King	Power Equipment Operators	Compressor	$53.57	7A	3C	8P
King	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	$56.94	7A	3C	8P
King	Power Equipment Operators	Concrete Finish Machine -laser Screed	$53.57	7A	3C	8P
King	Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure.	$56.00	7A	3C	8P
King	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	$56.44	7A	3C	8P
King	Power Equipment Operators	Conveyors	$56.00	7A	3C	8P
King	Power Equipment Operators	Cranes Friction: 200 tons and over	$58.67	7A	3C	8P
King	Power Equipment Operators	Cranes: 20 Tons Through 44 Tons With Attachments	$56.44	7A	3C	8P
King	Power Equipment Operators	Cranes: 100 Tons Through 199 Tons, Or 150' Of Boom (Including Jib With Attachments)	$57.51	7A	3C	8P
King	Power Equipment Operators	Cranes: 200 tons- 299 tons, or 250’ of boom including jib with attachments	$58.10	7A	3C	8P
King	Power Equipment Operators	Cranes: 300 tons and over or 300’ of boom including jib with attachments	$58.67	7A	3C	8P
King	Power Equipment Operators	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom	$56.94	7A	3C	8P

		(including Jib With Attachments)				
King	Power Equipment Operators	Cranes: A-frame - 10 Tons And Under	$53.57	7A	3C	8P
King	Power Equipment Operators	Cranes: Friction cranes through 199 tons	$58.10	7A	3C	8P
King	Power Equipment Operators	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	$56.00	7A	3C	8P
King	Power Equipment Operators	Crusher	$56.44	7A	3C	8P
King	Power Equipment Operators	Deck Engineer/deck Winches (power)	$56.44	7A	3C	8P
King	Power Equipment Operators	Derricks, On Building Work	$56.94	7A	3C	8P
King	Power Equipment Operators	Dozers D-9 & Under	$56.00	7A	3C	8P
King	Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	$56.00	7A	3C	8P
King	Power Equipment Operators	Drilling Machine	$57.51	7A	3C	8P
King	Power Equipment Operators	Elevator And Man-lift: Permanent And Shaft Type	$53.57	7A	3C	8P
King	Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	$56.44	7A	3C	8P
King	Power Equipment Operators	Forklift: 3000 Lbs And Over With Attachments	$56.00	7A	3C	8P
King	Power Equipment Operators	Forklifts: Under 3000 Lbs. With Attachments	$53.57	7A	3C	8P
King	Power Equipment Operators	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	$56.44	7A	3C	8P
King	Power Equipment Operators	Gradechecker/stakeman	$53.57	7A	3C	8P
King	Power Equipment Operators	Guardrail Punch	$56.44	7A	3C	8P
King	Power Equipment Operators	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	$56.94	7A	3C	8P
King	Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	$56.44	7A	3C	8P
King	Power Equipment Operators	Horizontal/directional Drill Locator	$56.00	7A	3C	8P
King	Power Equipment Operators	Horizontal/directional Drill Operator	$56.44	7A	3C	8P
King	Power Equipment Operators	Hydralifts/boom Trucks Over 10 Tons	$56.00	7A	3C	8P
King	Power Equipment Operators	Hydralifts/boom Trucks, 10 Tons And Under	$53.57	7A	3C	8P
King	Power Equipment Operators	Loader, Overhead 8 Yards. & Over	$57.51	7A	3C	8P
King	Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	$56.94	7A	3C	8P
King	Power Equipment Operators	Loaders, Overhead Under 6 Yards	$56.44	7A	3C	8P

King	Power Equipment Operators	Loaders, Plant Feed	$56.44	7A	3C	8P
King	Power Equipment Operators	Loaders: Elevating Type Belt	$56.00	7A	3C	8P
King	Power Equipment Operators	Locomotives, All	$56.44	7A	3C	8P
King	Power Equipment Operators	Material Transfer Device	$56.44	7A	3C	8P
King	Power Equipment Operators	Mechanics, All (leadmen - $0.50 Per Hour Over Mechanic)	$57.51	7A	3C	8P
King	Power Equipment Operators	Motor Patrol Graders	$56.94	7A	3C	8P
King	Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	$56.94	7A	3C	8P
King	Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding Operator	$53.57	7A	3C	8P
King	Power Equipment Operators	Outside Hoists (elevators And Manlifts), Air Tuggers,strato	$56.00	7A	3C	8P
King	Power Equipment Operators	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	$56.44	7A	3C	8P
King	Power Equipment Operators	Overhead, Bridge Type: 100 Tons And Over	$57.51	7A	3C	8P
King	Power Equipment Operators	Overhead, Bridge Type: 45 Tons Through 99 Tons	$56.94	7A	3C	8P
King	Power Equipment Operators	Pavement Breaker	$53.57	7A	3C	8P
King	Power Equipment Operators	Pile Driver (other Than Crane Mount)	$56.44	7A	3C	8P
King	Power Equipment Operators	Plant Oiler - Asphalt, Crusher	$56.00	7A	3C	8P
King	Power Equipment Operators	Posthole Digger, Mechanical	$53.57	7A	3C	8P
King	Power Equipment Operators	Power Plant	$53.57	7A	3C	8P
King	Power Equipment Operators	Pumps - Water	$53.57	7A	3C	8P
King	Power Equipment Operators	Quad 9, Hd 41, D10 And Over	$56.94	7A	3C	8P
King	Power Equipment Operators	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	$53.57	7A	3C	8P
King	Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	$56.94	7A	3C	8P
King	Power Equipment Operators	Rigger And Bellman	$53.57	7A	3C	8P
King	Power Equipment Operators	Rigger/Signal Person, Bellman (Certified)	$56.00	7A	3C	8P
King	Power Equipment Operators	Rollagon	$56.94	7A	3C	8P
King	Power Equipment Operators	Roller, Other Than Plant Mix	$53.57	7A	3C	8P
King	Power Equipment Operators	Roller, Plant Mix Or Multi-lift Materials	$56.00	7A	3C	8P
King	Power Equipment Operators	Roto-mill, Roto-grinder	$56.44	7A	3C	8P
King	Power Equipment Operators	Saws - Concrete	$56.00	7A	3C	8P
King	Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	$56.44	7A	3C	8P
King	Power Equipment Operators	Scrapers - Concrete & Carry All	$56.00	7A	3C	8P
King	Power Equipment Operators	Scrapers, Self-propelled: 45	$56.94	7A	3C	8P

		Yards And Over				
King	Power Equipment Operators	Service Engineers - Equipment	$56.00	7A	3C	8P
King	Power Equipment Operators	Shotcrete/gunite Equipment	$53.57	7A	3C	8P
King	Power Equipment Operators	Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons.	$56.00	7A	3C	8P
King	Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	$56.94	7A	3C	8P
King	Power Equipment Operators	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	$56.44	7A	3C	8P
King	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	$57.51	7A	3C	8P
King	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	$58.10	7A	3C	8P
King	Power Equipment Operators	Slipform Pavers	$56.94	7A	3C	8P
King	Power Equipment Operators	Spreader, Topsider & Screedman	$56.94	7A	3C	8P
King	Power Equipment Operators	Subgrader Trimmer	$56.44	7A	3C	8P
King	Power Equipment Operators	Tower Bucket Elevators	$56.00	7A	3C	8P
King	Power Equipment Operators	Tower Crane Up To 175' In Height Base To Boom	$57.51	7A	3C	8P
King	Power Equipment Operators	Tower Crane: over 175’ through 250’ in height, base to boom	$58.10	7A	3C	8P
King	Power Equipment Operators	Tower Cranes: over 250’ in height from base to boom	$58.67	7A	3C	8P
King	Power Equipment Operators	Transporters, All Track Or Truck Type	$56.94	7A	3C	8P
King	Power Equipment Operators	Trenching Machines	$56.00	7A	3C	8P
King	Power Equipment Operators	Truck Crane Oiler/driver - 100 Tons And Over	$56.44	7A	3C	8P
King	Power Equipment Operators	Truck Crane Oiler/driver Under 100 Tons	$56.00	7A	3C	8P
King	Power Equipment Operators	Truck Mount Portable Conveyor	$56.44	7A	3C	8P
King	Power Equipment Operators	Welder	$56.94	7A	3C	8P
King	Power Equipment Operators	Wheel Tractors, Farmall Type	$53.57	7A	3C	8P
King	Power Equipment Operators	Yo Yo Pay Dozer	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Asphalt Plant Operators	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Assistant Engineer	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Barrier Machine (zipper)	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Batch Plant Operator, Concrete	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Bobcat	$53.57	7A	3C	8P
King	Power Equipment Operators-	Brokk - Remote Demolition	$53.57	7A	3C	8P

	Underground Sewer & Water	Equipment				
King	Power Equipment Operators-Underground Sewer & Water	Brooms	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Bump Cutter	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Cableways	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Chipper	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Compressor	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Concrete Finish Machine -laser Screed	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure.	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Conveyors	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Cranes Friction: 200 tons and over	$58.67	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Cranes: 20 Tons Through 44 Tons With Attachments	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Cranes: 100 Tons Through 199 Tons, Or 150' Of Boom (Including Jib With Attachments)	$57.51	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Cranes: 200 tons- 299 tons, or 250’ of boom including jib with attachments	$58.10	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Cranes: 300 tons and over or 300’ of boom including jib with attachments	$58.67	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Cranes: A-frame - 10 Tons And Under	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Cranes: Friction cranes through 199 tons	$58.10	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Crusher	$56.44	7A	3C	8P

King	Power Equipment Operators-Underground Sewer & Water	Deck Engineer/deck Winches (power)	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Derricks, On Building Work	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Dozers D-9 & Under	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Drill Oilers: Auger Type, Truck Or Crane Mount	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Drilling Machine	$57.51	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Elevator And Man-lift: Permanent And Shaft Type	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Finishing Machine, Bidwell And Gamaco & Similar Equipment	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Forklift: 3000 Lbs And Over With Attachments	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Forklifts: Under 3000 Lbs. With Attachments	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Gradechecker/stakeman	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Guardrail Punch	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Horizontal/directional Drill Locator	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Horizontal/directional Drill Operator	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Hydralifts/boom Trucks Over 10 Tons	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Hydralifts/boom Trucks, 10 Tons And Under	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Loader, Overhead 8 Yards. & Over	$57.51	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Loader, Overhead, 6 Yards. But Not Including 8 Yards	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Loaders, Overhead Under 6 Yards	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Loaders, Plant Feed	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Loaders: Elevating Type Belt	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Locomotives, All	$56.44	7A	3C	8P

King	Power Equipment Operators-Underground Sewer & Water	Material Transfer Device	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Mechanics, All (leadmen - $0.50 Per Hour Over Mechanic)	$57.51	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Motor Patrol Graders	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Oil Distributors, Blower Distribution & Mulch Seeding Operator	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Outside Hoists (elevators And Manlifts), Air Tuggers,strato	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Overhead, Bridge Type: 100 Tons And Over	$57.51	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Overhead, Bridge Type: 45 Tons Through 99 Tons	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Pavement Breaker	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Pile Driver (other Than Crane Mount)	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Plant Oiler - Asphalt, Crusher	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Posthole Digger, Mechanical	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Power Plant	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Pumps - Water	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Quad 9, Hd 41, D10 And Over	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Remote Control Operator On Rubber Tired Earth Moving Equipment	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Rigger And Bellman	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Rigger/Signal Person, Bellman (Certified)	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Rollagon	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Roller, Other Than Plant Mix	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Roller, Plant Mix Or Multi-lift Materials	$56.00	7A	3C	8P

King	Power Equipment Operators-Underground Sewer & Water	Roto-mill, Roto-grinder	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Saws - Concrete	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Scraper, Self Propelled Under 45 Yards	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Scrapers - Concrete & Carry All	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Scrapers, Self-propelled: 45 Yards And Over	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Service Engineers - Equipment	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Shotcrete/gunite Equipment	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons.	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	$57.51	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 90 Metric Tons	$58.10	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Slipform Pavers	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Spreader, Topsider & Screedman	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Subgrader Trimmer	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Tower Bucket Elevators	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Tower Crane Up To 175' In Height Base To Boom	$57.51	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Tower Crane: over 175’ through 250’ in height, base to boom	$58.10	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Tower Cranes: over 250’ in height from base to boom	$58.67	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Transporters, All Track Or Truck Type	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Trenching Machines	$56.00	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler/driver - 100 Tons And Over	$56.44	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler/driver Under 100 Tons	$56.00	7A	3C	8P
King	Power Equipment Operators-	Truck Mount Portable Conveyor	$56.44	7A	3C	8P

	Underground Sewer & Water					
King	Power Equipment Operators-Underground Sewer & Water	Welder	$56.94	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Wheel Tractors, Farmall Type	$53.57	7A	3C	8P
King	Power Equipment Operators-Underground Sewer & Water	Yo Yo Pay Dozer	$56.44	7A	3C	8P
King	Power Line Clearance Tree Trimmers	Journey Level In Charge	$45.75	5A	4A	
King	Power Line Clearance Tree Trimmers	Spray Person	$43.38	5A	4A	
King	Power Line Clearance Tree Trimmers	Tree Equipment Operator	$45.75	5A	4A	
King	Power Line Clearance Tree Trimmers	Tree Trimmer	$40.84	5A	4A	
King	Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	$30.74	5A	4A	
King	Refrigeration & Air Conditioning Mechanics	Journey Level	$73.51	6Z	1G	
King	Residential Brick Mason	Journey Level	$52.82	5A	1M	
King	Residential Carpenters	Journey Level	$28.20		1	
King	Residential Cement Masons	Journey Level	$22.64		1	
King	Residential Drywall Applicators	Journey Level	$40.64	5D	4C	
King	Residential Drywall Tapers	Journey Level	$54.07	5P	1E	
King	Residential Electricians	Journey Level	$30.44		1	
King	Residential Glaziers	Journey Level	$37.30	7L	1H	
King	Residential Insulation Applicators	Journey Level	$26.28		1	
King	Residential Laborers	Journey Level	$23.03		1	
King	Residential Marble Setters	Journey Level	$24.09		1	
King	Residential Painters	Journey Level	$24.46		1	
King	Residential Plumbers & Pipefitters	Journey Level	$34.69		1	
King	Residential Refrigeration & Air Conditioning Mechanics	Journey Level	$73.51	6Z	1G	
King	Residential Sheet Metal Workers	Journey Level (Field or Shop)	$43.46	7F	1R	
King	Residential Soft Floor Layers	Journey Level	$42.88	5A	3D	
King	Residential Sprinkler Fitters (Fire Protection)	Journey Level	$42.48	5C	2R	
King	Residential Stone Masons	Journey Level	$52.82	5A	1M	
King	Residential Terrazzo Workers	Journey Level	$47.46	5A	1M	
King	Residential Terrazzo/Tile Finishers	Journey Level	$21.46		1	
King	Residential Tile Setters	Journey Level	$25.17		1	
King	Roofers	Journey Level	$45.71	5A	3H	
King	Roofers	Using Irritable Bituminous Materials	$48.71	5A	3H	

King	Sheet Metal Workers	Journey Level (Field or Shop)	$72.83	7F	1E	
King	Shipbuilding & Ship Repair	Boilermaker	$39.82	7M	1H	
King	Shipbuilding & Ship Repair	Carpenter	$40.41	7T	2B	
King	Shipbuilding & Ship Repair	Electrician	$40.16	7T	4B	
King	Shipbuilding & Ship Repair	Heat & Frost Insulator	$63.18	5J	1S	
King	Shipbuilding & Ship Repair	Laborer	$40.19	7T	4B	
King	Shipbuilding & Ship Repair	Machinist	$40.47	7T	4B	
King	Shipbuilding & Ship Repair	Operator	$40.11	7T	4B	
King	Shipbuilding & Ship Repair	Painter	$40.16	7T	4B	
King	Shipbuilding & Ship Repair	Pipefitter	$40.11	7T	4B	
King	Shipbuilding & Ship Repair	Rigger	$40.19	7T	4B	
King	Shipbuilding & Ship Repair	Sheet Metal	$40.14	7T	4B	
King	Shipbuilding & Ship Repair	Shipfitter	$40.19	7T	4B	
King	Shipbuilding & Ship Repair	Trucker	$40.03	7T	4B	
King	Shipbuilding & Ship Repair	Warehouse	$40.08	7T	4B	
King	Shipbuilding & Ship Repair	Welder/Burner	$40.19	7T	4B	
King	Sign Makers & Installers (Electrical)	Sign Installer	$22.92		1	
King	Sign Makers & Installers (Electrical)	Sign Maker	$21.36		1	
King	Sign Makers & Installers (Non-Electrical)	Sign Installer	$27.28		1	
King	Sign Makers & Installers (Non-Electrical)	Sign Maker	$33.25		1	
King	Soft Floor Layers	Journey Level	$42.88	5A	3D	
King	Solar Controls For Windows	Journey Level	$12.44		1	
King	Sprinkler Fitters (Fire Protection)	Journey Level	$69.74	5C	1X	
King	Stage Rigging Mechanics (Non Structural)	Journey Level	$13.23		1	
King	Stone Masons	Journey Level	$52.82	5A	1M	
King	Street And Parking Lot Sweeper Workers	Journey Level	$19.09		1	
King	Surveyors	Assistant Construction Site Surveyor	$56.00	7A	3C	8P
King	Surveyors	Chainman	$55.47	7A	3C	8P
King	Surveyors	Construction Site Surveyor	$56.94	7A	3C	8P
King	Telecommunication Technicians	Journey Level	$22.76		1	
King	Telephone Line Construction - Outside	Cable Splicer	$37.60	5A	2B	
King	Telephone Line Construction - Outside	Hole Digger/Ground Person	$20.79	5A	2B	
King	Telephone Line Construction - Outside	Installer (Repairer)	$36.02	5A	2B	
King	Telephone Line Construction - Outside	Special Aparatus Installer I	$37.60	5A	2B	

King	Telephone Line Construction - Outside	Special Apparatus Installer II	$36.82	5A	2B	
King	Telephone Line Construction - Outside	Telephone Equipment Operator (Heavy)	$37.60	5A	2B	
King	Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	$34.94	5A	2B	
King	Telephone Line Construction - Outside	Telephone Lineperson	$34.93	5A	2B	
King	Telephone Line Construction - Outside	Television Groundperson	$19.73	5A	2B	
King	Telephone Line Construction - Outside	Television Lineperson/Installer	$26.31	5A	2B	
King	Telephone Line Construction - Outside	Television System Technician	$31.50	5A	2B	
King	Telephone Line Construction - Outside	Television Technician	$28.23	5A	2B	
King	Telephone Line Construction - Outside	Tree Trimmer	$34.93	5A	2B	
King	Terrazzo Workers	Journey Level	$47.46	5A	1M	
King	Tile Setters	Journey Level	$21.65		1	
King	Tile, Marble & Terrazzo Finishers	Finisher	$38.29	5A	1B	
King	Traffic Control Stripers	Journey Level	$43.73	7A	1K	
King	Truck Drivers	Asphalt Mix Over 16 Yards (W. WA-Joint Council 28)	$49.85	5D	3A	8L
King	Truck Drivers	Asphalt Mix To 16 Yards (W. WA-Joint Council 28)	$49.01	5D	3A	8L
King	Truck Drivers	Dump Truck & Trailer	$49.85	5D	3A	8L
King	Truck Drivers	Dump Truck (W. WA-Joint Council 28)	$49.01	5D	3A	8L
King	Truck Drivers	Other Trucks (W. WA-Joint Council 28)	$49.85	5D	3A	8L
King	Truck Drivers	Transit Mixer	$43.23		1	
King	Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	$17.71		1	
King	Well Drillers & Irrigation Pump Installers	Oiler	$12.97		1	
King	Well Drillers & Irrigation Pump Installers	Well Driller	$18.00		1	

Washington State Department of Labor and Industries
Policy Statement
(Regarding the Production of "Standard" or "Non-standard" Items)

Below is the department's (State L&I's) list of criteria to be used in determining whether a prefabricated item is "standard" or "non-standard". For items not appearing on WSDOT's predetermined list, these criteria shall be used by the Contractor (and the Contractor's subcontractors, agents to subcontractors, suppliers, manufacturers, and fabricators) to determine coverage under RCW 39.12. The production, in the State of Washington, of non-standard items is covered by RCW 39.12, and the production of standard items is not. The production of any item outside the State of Washington is not covered by RCW 39.12.

1. Is the item fabricated for a public works project? If not, it is not subject to RCW 39.12. If it is, go to question 2.

2. Is the item fabricated on the public works jobsite? If it is, the work is covered under RCW 39.12. If not, go to question 3.

3. Is the item fabricated in an assembly/fabrication plant set up for, and dedicated primarily to, the public works project? If it is, the work is covered by RCW 39.12. If not, go to question 4.

4. Does the item require any assembly, cutting, modification or other fabrication by the supplier? If not, the work is not covered by RCW 39.12. If yes, go to question 5.

5. Is the prefabricated item intended for the public works project typically an inventory item which could reasonably be sold on the general market? If not, the work is covered by RCW 39.12. If yes, go to question 6.

6. Does the specific prefabricated item, generally defined as standard, have any unusual characteristics such as shape, type of material, strength requirements, finish, etc? If yes, the work is covered under RCW 39.12.

Any firm with questions regarding the policy, WSDOT's Predetermined List, or for determinations of covered and non-covered workers shall be directed to State L&I at (360) 902-5330.

WSDOT's
Predetermined List for
Suppliers - Manufactures - Fabricator

Below is a list of potentially prefabricated items, originally furnished by WSDOT to Washington State Department of Labor and Industries, that may be considered non-standard and therefore covered by the prevailing wage law, RCW 39.12. Items marked with an X in the "YES" column should be considered to be non-standard and therefore covered by RCW 39.12. Items marked with an X in the "NO" column should be considered to be standard and therefore not covered. Of course, exceptions to this general list may occur, and in that case shall be evaluated according to the criteria described in State and L&I's policy statement.

	ITEM DESCRIPTION	YES	NO
1.	Metal rectangular frames, solid metal covers, herringbone grates, and bi-directional vaned grates for Catch Basin Types 1, 1L, 1P, and 2 and Concrete Inlets. See Std. Plans		X
2.	Metal circular frames (rings) and covers, circular grates, and prefabricated ladders for Manhole Types 1, 2, and 3, Drywell Types 1, 2, and 3 and Catch Basin Type 2. See Std. Plans		X
3.	Prefabricated steel grate supports and welded grates, metal frames and dual vaned grates, and Type 1, 2, and 3 structural tubing grates for Drop Inlets. See Std. Plans.		X
4.	Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes smaller than 60 inch diameter.		X
5.	Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes larger than 60 inch diameter.		X
6.	Corrugated Steel Pipe - Steel lock seam corrugated pipe for culverts and storm sewers, sizes 30 inch to 120 inches in diameter. May also be treated, 1 thru 5.		X
7.	Corrugated Aluminum Pipe - Aluminum lock seam corrugated pipe for culverts and storm sewers, sizes 30 inch to 120 inches in diameter. May also be treated, #5.		X

	ITEM DESCRIPTION	YES	NO
8.	Anchor Bolts & Nuts - Anchor Bolts and Nuts, for mounting sign structures, luminaries and other items, shall be made from commercial bolt stock. See Contract Plans and Std. Plans for size and material type.		X
9.	Aluminum Pedestrian Handrail - Pedestrian handrail conforming to the type and material specifications set forth in the contract plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).	X	
10.	Major Structural Steel Fabrication - Fabrication of major steel items such as trusses, beams, girders, etc., for bridges.	X	
11.	Minor Structural Steel Fabrication - Fabrication of minor steel Items such as special hangers, brackets, access doors for structures, access ladders for irrigation boxes, bridge expansion joint systems, etc., involving welding, cutting, punching and/or boring of holes. See Contact Plans for item description and shop drawings.	X	
12.	Aluminum Bridge Railing Type BP - Metal bridge railing conforming to the type and material specifications set forth in the Contract Plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).		X
13.	Concrete Piling--Precast-Prestressed concrete piling for use as 55 and 70 ton concrete piling. Concrete to conform to Section 9-19.1 of Std. Spec..	X	
14.	Precast Manhole Types 1, 2, and 3 with cones, adjustment sections and flat top slabs. See Std. Plans.		X
15.	Precast Drywell Types 1, 2, and with cones and adjustment Sections. See Std. Plans.		X
16.	Precast Catch Basin - Catch Basin type 1, 1L, 1P, and 2 With adjustment sections. See Std. Plans.		X

	ITEM DESCRIPTION	YES	NO
17.	Precast Concrete Inlet - with adjustment sections, See Std. Plans		X
18.	Precast Drop Inlet Type 1 and 2 with metal grate supports. See Std. Plans.		X
19.	Precast Grate Inlet Type 2 with extension and top units. See Std. Plans		X
20.	Metal frames, vaned grates, and hoods for Combination Inlets. See Std. Plans		X
21.	Precast Concrete Utility Vaults - Precast Concrete utility vaults of various sizes. Used for in ground storage of utility facilities and controls. See Contract Plans for size and construction requirements. Shop drawings are to be provided for approval prior to casting		X
22.	Vault Risers - For use with Valve Vaults and Utilities Vaults.		X
23.	Valve Vault - For use with underground utilities. See Contract Plans for details.		X
24.	Precast Concrete Barrier - Precast Concrete Barrier for use as new barrier or may also be used as Temporary Concrete Barrier. Only new state approved barrier may be used as permanent barrier.		X
25.	Reinforced Earth Wall Panels – Reinforced Earth Wall Panels in size and shape as shown in the Plans. Fabrication plant has annual approval for methods and materials to be used. See Shop Drawing. Fabrication at other locations may be approved, after facilities inspection, contact HQ. Lab.	X	
26.	Precast Concrete Walls - Precast Concrete Walls - tilt-up wall panel in size and shape as shown in Plans. Fabrication plant has annual approval for methods and materials to be used	X	

	ITEM DESCRIPTION	YES	NO
27.	Precast Railroad Crossings - Concrete Crossing Structure Slabs.	X	
28.	12, 18 and 26 inch Standard Precast Prestressed Girder – Standard Precast Prestressed Girder for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
29.	Prestressed Concrete Girder Series 4-14 - Prestressed Concrete Girders for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A .	X	
30.	Prestressed Tri-Beam Girder - Prestressed Tri-Beam Girders for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
31.	Prestressed Precast Hollow-Core Slab – Precast Prestressed Hollow-core slab for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A.	X	
32.	Prestressed-Bulb Tee Girder - Bulb Tee Prestressed Girder for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
33.	Monument Case and Cover See Std. Plan.		X

	ITEM DESCRIPTION	YES	NO
34.	Cantilever Sign Structure - Cantilever Sign Structure fabricated from steel tubing meeting AASHTO-M-183. See Std. Plans, and Contract Plans for details. The steel structure shall be galvanized after fabrication in accordance with AASHTO-M-111.	X	
35.	Mono-tube Sign Structures - Mono-tube Sign Bridge fabricated to details shown in the Plans. Shop drawings for approval are required prior to fabrication.	X	
36.	Steel Sign Bridges - Steel Sign Bridges fabricated from steel tubing meeting AASHTO-M-138 for Aluminum Alloys. See Std. Plans, and Contract Plans for details. The steel structure shall be galvanized after fabrication in accordance with AASHTO-M-111.	X	
37.	Steel Sign Post - Fabricated Steel Sign Posts as detailed in Std Plans. Shop drawings for approval are to be provided prior to fabrication		X
38.	Light Standard-Prestressed - Spun, prestressed, hollow concrete poles.	X	
39.	Light Standards - Lighting Standards for use on highway illumination systems, poles to be fabricated to conform with methods and materials as specified on Std. Plans. See Specia Provisions for pre-approved drawings.	X	
40.	Traffic Signal Standards - Traffic Signal Standards for use on highway and/or street signal systems. Standards to be fabricated to conform with methods and material as specified on Std. Plans. See Special Provisions for pre-approved drawings	X	
41.	Precast Concrete Sloped Mountable Curb (Single and DualFaced) See Std. Plans.		X

	ITEM DESCRIPTION	YES	NO
42.	Traffic Signs - Prior to approval of a Fabricator of Traffic Signs, the sources of the following materials must be submitted and approved for reflective sheeting, legend material, and aluminum sheeting. **NOTE:** *** Fabrication inspection required. Only signs tagged "Fabrication Approved" by WSDOT Sign Fabrication Inspector to be installed	X	X
		Custom Message	Std Signing Message
43.	Cutting & bending reinforcing steel		X
44.	Guardrail components	X	X
		Custom End Sec	Standard Sec
45.	Aggregates/Concrete mixes	Covered by WAC 296-127-018	
46.	Asphalt	Covered by WAC 296-127-018	
47.	Fiber fabrics		X
48.	Electrical wiring/components		X
49.	treated or untreated timber pile		X
50.	Girder pads (elastomeric bearing)	X	
51.	Standard Dimension lumber		X
52.	Irrigation components		X

ITEM DESCRIPTION	YES	NO
53. Fencing materials		X
54. Guide Posts		X
55. Traffic Buttons		X
56. Epoxy		X
57. Cribbing		X
58. Water distribution materials		X
59. Steel "H" piles		X
60. Steel pipe for concrete pile casings		X
61. Steel pile tips, standard		X
62. Steel pile tips, custom	X	

Prefabricated items specifically produced for public works projects that are prefabricated in a county other than the county wherein the public works project is to be completed, the wage for the offsite prefabrication shall be the applicable prevailing wage for the county in which the actual prefabrication takes place.

It is the manufacturer of the prefabricated product to verify that the correct county wage rates are applied to work they perform.

See RCW 39.12.010
(The definition of "locality" in RCW 39.12.010(2) contains the phrase "wherein the physical work is being performed." The department interprets this phrase to mean the actual work site.

WSDOT's List of State Occupations not applicable to Heavy and Highway Construction Projects

This project is subject to the state hourly minimum rates for wages and fringe benefits in the contract provisions, as provided by the state Department of Labor and Industries.
The following list of occupations, is comprised of those occupations that are not normally used in the construction of heavy and highway projects.
When considering job classifications for use and / or payment when bidding on, or building heavy and highway construction projects for, or administered by WSDOT, these Occupations will be excepted from the included "Washington State Prevailing Wage Rates For Public Work Contracts" documents.

- Building Service Employees
- Electrical Fixture Maintenance Workers
- Electricians - Motor Shop
- Heating Equipment Mechanics
- Industrial Engine and Machine Mechanics
- Industrial Power Vacuum Cleaners
- Inspection, Cleaning, Sealing of Water Systems by Remote Control
- Laborers - Underground Sewer & Water
- Machinists (Hydroelectric Site Work)
- Modular Buildings
- Playground & Park Equipment Installers
- Power Equipment Operators - Underground Sewer & Water
- Residential *** ALL ASSOCIATED RATES ***
- Sign Makers and Installers (Non-Electrical)
- Sign Makers and Installers (Electrical)
- Stage Rigging Mechanics (Non Structural)

The following occupations may be used only as outlined in the preceding text concerning "WSDOT's list for Suppliers - Manufacturers - Fabricators"

- Fabricated Precast Concrete Products
- Metal Fabrication (In Shop)

Definitions for the Scope of Work for prevailing wages may be found at the Washington State Department of Labor and Industries web site and in WAC Chapter 296-127.

WAC 296-127-018 Agency filings affecting this section

Coverage and exemptions of workers involved in the production and delivery of gravel, concrete, asphalt, or similar materials.

(1) The materials covered under this section include but are not limited to: Sand, gravel, crushed rock, concrete, asphalt, or other similar materials.

(2) All workers, regardless of by whom employed, are subject to the provisions of chapter 39.12 RCW when they perform any or all of the following functions:

(a) They deliver or discharge any of the above-listed materials to a public works project site:

(i) At one or more point(s) directly upon the location where the material will be incorporated into the project; or

(ii) At multiple points at the project; or

(iii) Adjacent to the location and coordinated with the incorporation of those materials.

(b) They wait at or near a public works project site to perform any tasks subject to this section of the rule.

(c) They remove any materials from a public works construction site pursuant to contract requirements or specifications (e.g., excavated materials, materials from demolished structures, clean-up materials, etc.).

(d) They work in a materials production facility (e.g., batch plant, borrow pit, rock quarry, etc.,) which is established for a public works project for the specific, but not necessarily exclusive, purpose of supplying materials for the project.

(e) They deliver concrete to a public works site regardless of the method of incorporation.

(f) They assist or participate in the incorporation of any materials into the public works project.

(3) All travel time that relates to the work covered under subsection (2) of this section requires the payment of prevailing wages. Travel time includes time spent waiting to load, loading, transporting, waiting to unload, and delivering materials. Travel time would include all time spent in travel in support of a public works project whether the vehicle is empty or full. For example, travel time spent returning to a supply source to obtain another load of material for use on a public works site or returning to the public works site to obtain another load of excavated material is time spent in travel that is subject to prevailing wage. Travel to a supply source, including travel from a public works site, to obtain materials for use on a private project would not be travel subject to the prevailing wage.

(4) Workers are not subject to the provisions of chapter 39.12 RCW when they deliver materials to a stockpile.

(a) A "stockpile" is defined as materials delivered to a pile located away from the site of incorporation such that the stockpiled materials must be physically moved from the stockpile and transported to another location on the project site in order to be incorporated into the project.

(b) A stockpile does not include any of the functions described in subsection (2)(a) through (f) of this section; nor does a stockpile include materials delivered or distributed to multiple locations upon the project site; nor does a stockpile include materials dumped at the place of incorporation, or adjacent to the location and coordinated with the incorporation.

(5) The applicable prevailing wage rate shall be determined by the locality in which the work is performed. Workers subject to subsection (2)(d) of this section, who produce such materials at an off-site facility shall be paid the applicable prevailing wage rates for the county in which the off-site facility is located. Workers subject to subsection (2) of this section, who deliver such materials to a public works project site shall be paid the applicable prevailing wage rates for the county in which the public works project is located.

[Statutory Authority: Chapter 39.12 RCW, RCW 43.22.051 and 43.22.270. 08-24-101, § 296-127-018, filed 12/2/08, effective 1/2/09. Statutory Authority: Chapters 39.04 and 39.12 RCW and RCW 43.22.270. 92-01-104 and 92-08-101, § 296-127-018, filed 12/18/91 and 4/1/92, effective 8/31/92.]

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Overtime Codes

Overtime calculations are based on the hourly rate actually paid to the worker. On public works projects, the hourly rate must be not less than the prevailing rate of wage minus the hourly rate of the cost of fringe benefits actually provided for the worker.

1. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

B. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

C. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

D. The first two (2) hours before or after a five-eight (8) hour workweek day or a four-ten (10) hour workweek day and the first eight (8) hours worked the next day after either workweek shall be paid at one and one-half times the hourly rate of wage. All additional hours worked and all worked on Sundays and holidays shall be paid at double the hourly rate of wage.

E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.

G. The first ten (10) hours worked on Saturdays and the first ten (10) hours worked on a fifth calendar weekday in a four-ten hour schedule, shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

H. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions or equipment breakdown) shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

I. All hours worked on Sundays and holidays shall also be paid at double the hourly rate of wage.

J. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over ten (10) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage.

K. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.

M. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

N. All hours worked on Saturdays (except makeup days) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

1. O. The first ten (10) hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays, holidays and after twelve (12) hours, Monday through Friday and after ten (10) hours on Saturday shall be paid at double the hourly rate of wage.

P. All hours worked on Saturdays (except makeup days if circumstances warrant) and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.

Q. The first two (2) hours after eight (8) regular hours Monday through Friday and up to ten (10) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays (except Christmas day) shall be paid at double the hourly rate of wage. All hours worked on Christmas day shall be paid at two and one-half times the hourly rate of wage.

R. All hours worked on Sundays and holidays shall be paid at two times the hourly rate of wage.

S. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays and all other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.

U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays (except Labor Day) shall be paid at two times the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.

V. All hours worked on Sundays and holidays (except Thanksgiving Day and Christmas day) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Thanksgiving Day and Christmas day shall be paid at double the hourly rate of wage.

W. All hours worked on Saturdays and Sundays (except make-up days due to conditions beyond the control of the employer)) shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.

X. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over twelve (12) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage. When holiday falls on Saturday or Sunday, the day before Saturday, Friday, and the day after Sunday, Monday, shall be considered the holiday and all work performed shall be paid at double the hourly rate of wage.

Y. All hours worked outside the hours of 5:00 am and 5:00 pm (or such other hours as may be agreed upon by any employer and the employee) and all hours worked in excess of eight (8) hours per day (10 hours per day for a 4 x 10 workweek) and on Saturdays and holidays (except labor day) shall be paid at one and one-half times the hourly rate of wage. (except for employees who are absent from work without prior approval on a scheduled workday during the workweek shall be paid at the straight-time rate until they have worked 8 hours in a day (10 in a 4 x 10 workweek) or 40 hours during that workweek.) All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and Labor Day shall be paid at double the hourly rate of wage.

Z. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid the straight time rate of pay in addition to holiday pay.

Overtime Codes Continued

2. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

   B. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.

   C. All hours worked on Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at two times the hourly rate of wage.

   F. The first eight (8) hours worked on holidays shall be paid at the straight hourly rate of wage in addition to the holiday pay. All hours worked in excess of eight (8) hours on holidays shall be paid at double the hourly rate of wage.

   G. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.

   H. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.

   O. All hours worked on Sundays and holidays shall be paid at one and one-half times the hourly rate of wage.

   R. All hours worked on Sundays and holidays and all hours worked over sixty (60) in one week shall be paid at double the hourly rate of wage.

   U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked over 12 hours in a day or on Sundays and holidays shall be paid at double the hourly rate of wage.

   W. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage. On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The first eight (8) hours worked on the fifth day shall be paid at one and one-half times the hourly rate of wage. All other hours worked on the fifth, sixth, and seventh days and on holidays shall be paid at double the hourly rate of wage.

3. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

   A. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at time and one-half the straight time rate. Hours worked over twelve hours (12) in a single shift and all work performed after 6:00 pm Saturday to 6:00 am Monday and holidays shall be paid at double the straight time rate of pay. Any shift starting between the hours of 6:00 pm and midnight shall receive an additional one dollar ($1.00) per hour for all hours worked that shift. The employer shall have the sole discretion to assign overtime work to employees. Primary consideration for overtime work shall be given to employees regularly assigned to the work to be performed on overtime situations. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

   C. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays shall be paid at double the hourly rate of wage. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

Overtime Codes Continued

3. D. All hours worked between the hours of 6:00 pm and 6:00 am, Monday through Saturday, shall be paid at a premium rate of 15% over the hourly rate of wage. All other hours worked after 6:00 am on Saturdays, shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

E. All hours worked Sundays and holidays shall be paid at double the hourly rate of wage. Each week, once 40 hours of straight time work is achieved, then any hours worked over 10 hours per day Monday through Saturday shall be paid at double the hourly wage rate.

F. All hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.

H. All work performed on Sundays between March 16th and October 14th and all Holidays shall be compensated for at two (2) times the regular rate of pay. Work performed on Sundays between October 15th and March 15th shall be compensated at one and one half (1-1/2) times the regular rate of pay.

I. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. In the event the job is down due to weather conditions during a five day work week (Monday through Friday,) or a four day-ten hour work week (Tuesday through Friday,) then Saturday may be worked as a voluntary make-up day at the straight time rate. However, Saturday shall not be utilized as a make-up day when a holiday falls on Friday. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

4. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

A. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage.

B. All hours worked over twelve (12) hours per day and all hours worked on holidays shall be paid at double the hourly rate of wage.

C. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay. On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay. All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.

Overtime Codes Continued

4. D. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturday, Sundays and holidays shall be paid at double the hourly rate of pay. Rates include all members of the assigned crew.

EXCEPTION:
On all multipole structures and steel transmission lines, switching stations, regulating, capacitor stations, generating plants, industrial plants, associated installations and substations, except those substations whose primary function is to feed a distribution system, will be paid overtime under the following rates:

The first two (2) hours after eight (8) regular hours Monday through Friday of overtime on a regular workday, shall be paid at one and one-half times the hourly rate of wage. All hours in excess of ten (10) hours will be at two (2) times the hourly rate of wage. The first eight (8) hours worked on Saturday will be paid at one and one-half (1-1/2) times the hourly rate of wage. All hours worked in excess of eight (8) hours on Saturday, and all hours worked on Sundays and holidays will be at the double the hourly rate of wage.

All overtime eligible hours performed on the above described work that is energized, shall be paid at the double the hourly rate of wage.

E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal four-day, ten hour work week, and Saturday shall be paid at one and one half (1½) times the regular shift rate for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

F. All hours worked between the hours of 6:00 pm and 6:00 am, Monday through Saturday, shall be paid at a premium rate of 20% over the hourly rate of wage. All hours worked on Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.

G. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Holiday Codes

5. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, and Christmas Day (7).

B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, the day before Christmas, and Christmas Day (8).

C. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).

D. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8).

H. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Day after Thanksgiving Day, And Christmas (6).

Holiday Codes Continued

5. I. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).

J. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Eve Day, And Christmas Day (7).

K. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9).

L. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (8).

N. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (9).

P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday And Saturday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9). If A Holiday Falls On Sunday, The Following Monday Shall Be Considered As A Holiday.

Q. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).

R. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day After Thanksgiving Day, One-Half Day Before Christmas Day, And Christmas Day. (7 1/2).

S. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, And Christmas Day (7).

T. Paid Holidays: New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, Christmas Day, And The Day Before Or After Christmas (9).

Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).

6. A. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).

E. Paid Holidays: New Year's Day, Day Before Or After New Year's Day, Presidents Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and a Half-Day On Christmas Eve Day. (9 1/2).

G. Paid Holidays: New Year's Day, Martin Luther King Jr. Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and Christmas Eve Day (11).

H. Paid Holidays: New Year's Day, New Year's Eve Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, Christmas Day, The Day After Christmas, And A Floating Holiday (10).

I. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, And Christmas Day (7).

Holiday Codes Continued

6. T. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Last Working Day Before Christmas Day, And Christmas Day (9).

   Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). If a holiday falls on Saturday, the preceding Friday shall be considered as the holiday. If a holiday falls on Sunday, the following Monday shall be considered as the holiday.

7. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any Holiday Which Falls On A Sunday Shall Be Observed As A Holiday On The Following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.

   B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

   C. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

   D. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Unpaid Holidays: President's Day. Any paid holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any paid holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

   E. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

   F. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the last working day before Christmas day and Christmas day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

   G. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

   H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

   I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

   J. Holidays: New Year's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

Holiday Codes Continued

7. K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

L. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Last Work Day before Christmas Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

M. Paid Holidays: New Year's Day, The Day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, And the Day after or before Christmas Day (10). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. When Christmas falls on a Saturday, the preceding Friday shall be observed as a holiday.

P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

Q. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.

R. Paid Holidays: New Year's Day, the day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day after or before Christmas Day (10). If any of the listed holidays fall on Saturday, the preceding Friday shall be observed as the holiday. If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.

S. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Day, the Day after Christmas, and A Floating Holiday (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.

T. Paid Holidays: New Year's Day, the Day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and The Day after or before Christmas Day. (10). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

Note Codes

8. A. In addition to the hourly wage and fringe benefits, the following depth premiums apply to depths of fifty feet or more:
Over 50' To 100' -$2.00 per Foot for Each Foot Over 50 Feet
Over 100' To 150' -$3.00 per Foot for Each Foot Over 100 Feet
Over 150' To 220' -$4.00 per Foot for Each Foot Over 150 Feet
Over 220' -$5.00 per Foot for Each Foot Over 220 Feet

Note Codes Continued

8. C. In addition to the hourly wage and fringe benefits, the following depth premiums apply to depths of fifty feet or more:
Over 50' To 100' -$1.00 per Foot for Each Foot Over 50 Feet
Over 100' To 150' -$1.50 per Foot for Each Foot Over 100 Feet
Over 150' To 200' -$2.00 per Foot for Each Foot Over 150 Feet
Over 200' -Divers May Name Their Own Price

D. Workers working with supplied air on hazmat projects receive an additional $1.00 per hour.

L. Workers on hazmat projects receive additional hourly premiums as follows -Level A: $0.75, Level B: $0.50, And Level C: $0.25.

M. Workers on hazmat projects receive additional hourly premiums as follows: Levels A & B: $1.00, Levels C & D: $0.50.

N. Workers on hazmat projects receive additional hourly premiums as follows -Level A: $1.00, Level B: $0.75, Level C: $0.50, And Level D: $0.25.

P. Workers on hazmat projects receive additional hourly premiums as follows -Class A Suit: $2.00, Class B Suit: $1.50, Class C Suit: $1.00, And Class D Suit $0.50.

Q. The highest pressure registered on the gauge for an accumulated time of more than fifteen (15) minutes during the shift shall be used in determining the scale paid.

R. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. These classifications are only effective on or after August 31, 2012.

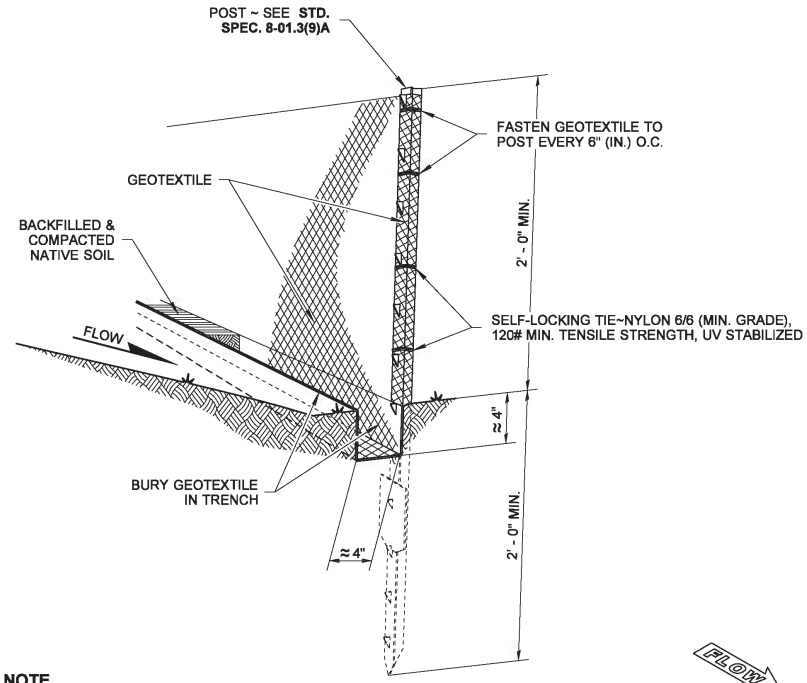
S. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.

T. Effective August 31, 2012 – A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.

U. Workers on hazmat projects receive additional hourly premiums as follows – Class A Suit: $2.00, Class B Suit: $1.50, And Class C Suit: $1.00. Workers performing underground work receive an additional $0.40 per hour for any and all work performed underground, including operating, servicing and repairing of equipment. The premium for underground work shall be paid for the entire shift worked. Workers who work suspended by a rope or cable receive an additional $0.50 per hour. The premium for work suspended shall be paid for the entire shift worked. Workers who do "pioneer" work (break open a cut, build road, etc.) more than one hundred fifty (150) feet above grade elevation receive an additional $0.50 per hour.

APPENDIX A
STANDARD PLANS

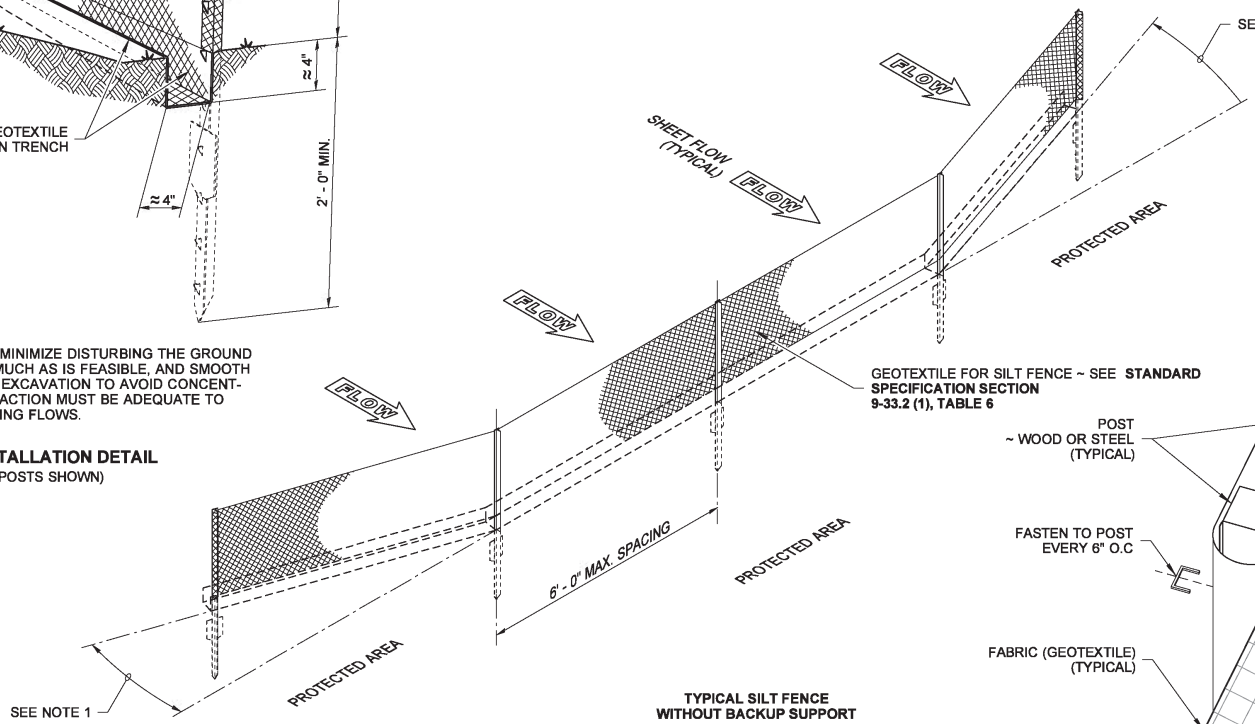
DRAWN BY: BILL BERENS



NOTE

DURING EXCAVATION, MINIMIZE DISTURBING THE GROUND AROUND TRENCH AS MUCH AS IS FEASIBLE, AND SMOOTH SURFACE FOLLOWING EXCAVATION TO AVOID CONCENTRATING FLOWS. COMPACTION MUST BE ADEQUATE TO PREVENT UNDERCUTTING FLOWS.

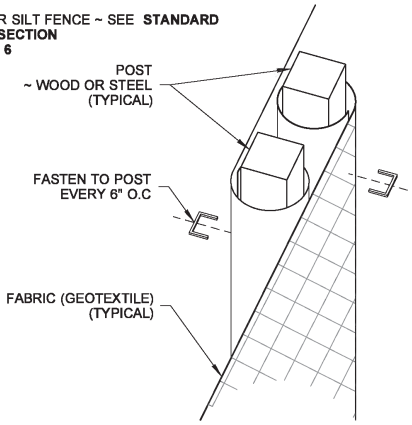
TYPICAL INSTALLATION DETAIL
(STEEL POSTS SHOWN)



TYPICAL SILT FENCE WITHOUT BACKUP SUPPORT
ISOMETRIC
(STEEL POSTS SHOWN)

NOTES

1. Install the ends of the silt fence to point slightly upslope to prevent sediment from flowing around the ends of the fence.
2. Perform maintenance in accordance with **Standard Specifications 8-01.3(9)A and 8-01.3(15)**.
3. Splices shall never be placed in low spots or sump locations. If splices are located in low or sump areas, the fence may need to be reinstalled unless the Project Engineer approves the installation.
4. Install silt fencing parallel to mapped contour lines.



SPLICED FENCE SECTIONS SHALL BE CLOSE ENOUGH TOGETHER TO PREVENT SILT LADEN WATER FROM ESCAPING THROUGH THE FENCE AT THE OVERLAP.

SPLICE DETAIL
(WOOD POSTS SHOWN)

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
SANDRA L. SALISBURY
CERTIFICATE NO. 000860

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

SILT FENCE

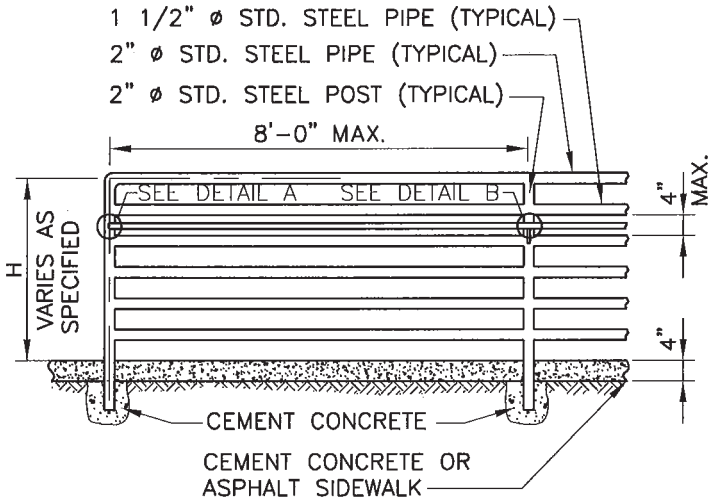
STANDARD PLAN I-30.15-02

SHEET 1 OF 1 SHEET

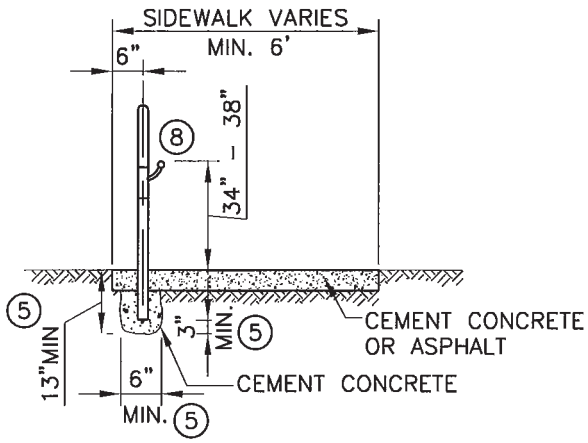
APPROVED FOR PUBLICATION

Pasco Bakotich III — STATE DESIGN ENGINEER
3/22/13 — DATE

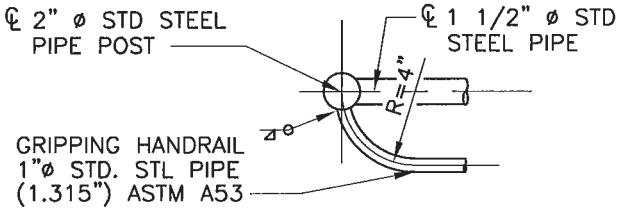
Washington State Department of Transportation



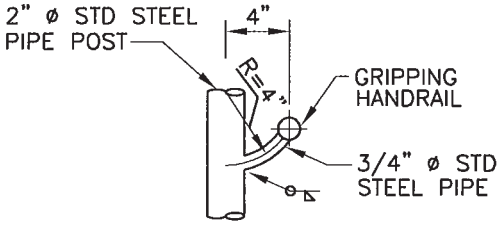
METAL HANDRAIL



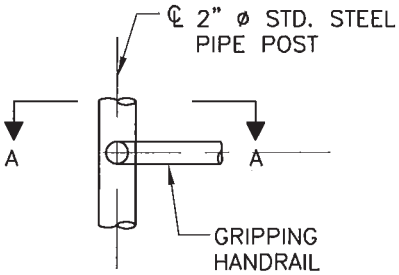
HANDRAIL SECTION



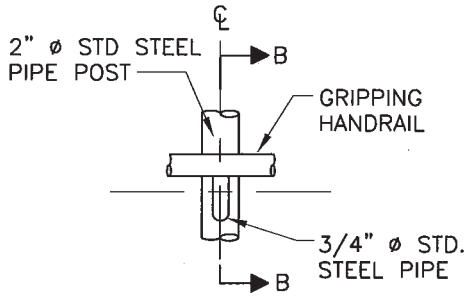
SECTION A-A



SECTION B-B



DETAIL A



DETAIL B

GRIPPING HANDRAIL

NOTES

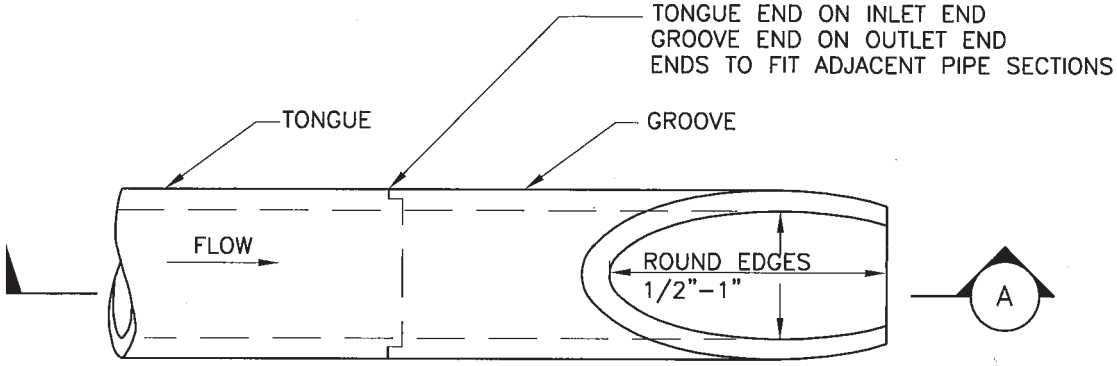
1. RAILS TO BE MINIMUM A53 TYPE E, GRADE B, 2 IN. NOMINAL DIAMETER, MINIMUM SECTION MODULUS 0.561 IN 3 (GALV. STEEL OR ALUM?)
2. POSTS, HANDRAILS, CONNECTIONS, JOINTS AND HARDWARE SHALL HAVE A SMOOTH SURFACE.
3. ALL STEEL SHALL BE GALVANIZED. ANY WELDING OR REPAIR IN THE FIELD SHALL BE PAINTED IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION SECTION 6-07.3.
4. FOOTINGS TO BE MINIMUM CONCRETE CLASS 4000

(5) POSTS SET DEPTH AND CONCRETE FOOTING DIMENSIONS SHALL BE REVIEWED AND DETERMINED BY ENGINEER BASED ON LOCAL SOIL AND SITE CONDITIONS.

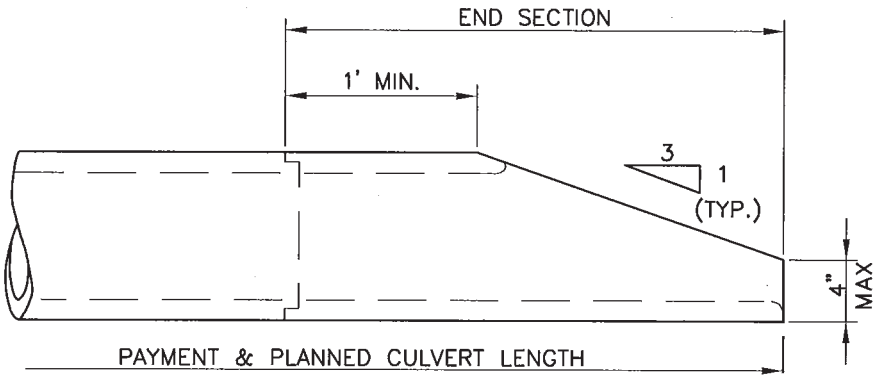
6. SEE AASHTO 2.7.2 AND AASHTO 2.7.3. FOR RAIL VERITCAL SPACING REQUIREMENTS.
7. SEE SEC. 3.06.

(8) GRIPPING HANDRAIL IS REQUIRED IF SIDEWALK GRADE IS 5% OR GREATER

9. THE RAILING SHALL MEET THE REQUIREMENTS OF THE AASHTO STANDARDS SPECIFICATIONS FOR HIGHWAY AND BRIDGES.

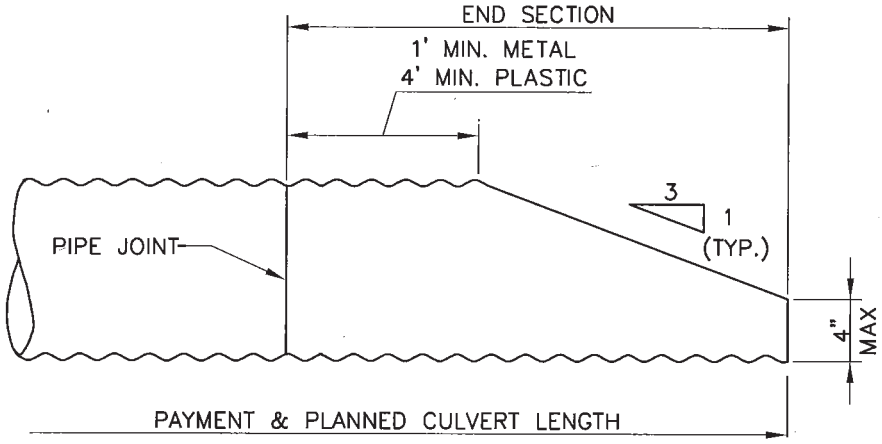


PLAN



ELEVATION

CONCRETE PIPE



METAL & PLASTIC PIPE

NOTES:

1. SIDE SLOPE SHALL BE WARPED TO MATCH THE BEVELED PIPE END.
2. PIPE SHALL BE BEVELED TO MATCH SLOPE IF SLOPE DIFFERS FROM 3:1.
3. PIPE SHALL BE ROTATED TO CONFORM TO SLOPE WHEN ON SKEW.

BEVELED END PIPE SECTION

FIG. 7-001

APPENDIX B
GEOTECHNICAL REPORT

HWA GEOSCIENCES INC.
Geotechnical & Pavement Engineering · Hydrogeology · Geoenvironmental · Inspection & Testing

January 19, 2016
HWA Project No. 2014-008-21

Perteet Engineering Inc.
2707 Colby Avenue, Suite 900
Everett, Washington 98201

Attention: Mr. Darrell Smith

Subject: **Final Geotechnical Report**
Log Boom Park Pedestrian Bridge
Kenmore, Washington

Dear Darrell,

As requested, HWA GeoSciences Inc. (HWA) has performed a geotechnical engineering study for the proposed Log Boom Park pedestrian bridge in Kenmore, Washington. The approximate location of the proposed bridge is shown on the vicinity map, Figure 1. The objective of our investigation was to evaluate the subsurface conditions in the vicinity of the proposed structure and provide recommendations for its foundation design.

Project Understanding

It is our understanding that the City of Kenmore proposes to replace a previously failed pedestrian bridge that links Log Boom Park to the adjacent Marina. The bridge is to consist of a 36 foot long pre-fabricated structure spanning over tributary 0056. Minor grade increases will be required at each abutment to facilitate positive drainage and ADA compliance.

Subsurface Explorations

On February 26, 2014, HWA monitored the drilling of two exploratory boreholes, designated BH-1 and BH-2, to evaluate the soil and ground water conditions in the vicinity of the proposed bridge abutments. The boreholes were performed by Geologic Drill Exploration Inc. of Spokane, Washington, under subcontract to HWA, using a MT-52 mini track-mounted drill rig employing hollow-stem auger drilling techniques. The boreholes extended to depths of 41.5 and 31.5 feet below ground surface, respectively.

Standard Penetration Test (SPT) sampling was typically performed in the boreholes using a 2-inch outside diameter split-spoon sampler and a 140-pound auto-hammer. During the SPT, samples were obtained by driving the sampler 18 inches into the soil with the hammer free-falling 30 inches. The number of blows required for each 6 inches of penetration was recorded. The Standard Penetration Resistance

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Suite 110
Bothell, WA 98021.7010

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Fax: 425.774.2714
www.hwageo.com

("N-value") of the soil is calculated as the number of blows required for the final 12 inches of penetration. This resistance, or N-value, provides an indication of relative density of granular soils and the relative consistency of cohesive soils; both indicators of soil strength and foundation bearing capacity. In addition to SPT sampling, Shelby tubes were pushed in fine-grained deposits in order to obtain relatively undisturbed samples for laboratory consolidation testing.

The locations of our explorations were determined in the field by pacing and taping distances from existing site features. The approximate locations are shown on the Site and Exploration Plan, Figure 2.

A geologist from HWA logged each exploration and recorded all pertinent information. Soil samples obtained from the explorations were classified in the field and representative portions were placed in plastic bags. These soil samples were then taken to our Bothell, Washington, laboratory for further examination and testing. Pertinent information including soil sample depths, stratigraphy, soil engineering characteristics, and ground water occurrence was recorded. The stratigraphic contacts shown on the individual exploration logs represent the approximate boundaries between soil types; actual transitions may be more gradual. The soil and ground water conditions depicted are only for the specific date and locations reported, and are not necessarily representative of other locations and times. A legend of the terms and symbols used on the exploration logs is presented in Figure A-1. Summary logs of the boreholes are presented in Figures A-2 and A-3.

Laboratory Testing

Representative soil samples obtained from the subsurface explorations were taken to the HWA laboratory for further examination and testing. Laboratory tests, as described below, were conducted on selected soil samples to characterize relevant engineering properties of the on-site soils. The tests included visual classifications, natural moisture contents and grain size distributions. The tests were conducted in general accordance with appropriate American Society of Testing and Materials (ASTM) standards. Test procedures are discussed in further detail in Appendix B. The test results are also presented in Appendix B, and/or displayed on the exploration logs in Appendix A, as appropriate.

General Geologic Conditions

Geologic information for the project area was obtained from the Geologic Map of the Edmonds, East and part of the Edmonds West Quadrangles, Washington (Minard J.P., 1983). According to this map, the project alignment is underlain by Younger Alluvium deposits. These deposits lie in and along the channel of the Lake Washington. Poorly drained fluvial sediments consisting of mostly sand and gravel with some layers of organic-rich mud. The map shows several glacially

derived soil units in the vicinity of the project site. These soil units vary from advance outwash sands to transitional beds, depending on the location. This would suggest that the Younger Alluvium is underlain by glacially deposited soil. A geologic map of the project area, including geologic unit descriptions, is shown on Figure 3.

Subsurface Conditions

In general, the site is covered by a layer of fill over a series of alluvial soils that are subsequently underlain by glacial till and outwash sand. Our interpretation of geologic conditions along the length of the bridge alignment is shown in Figure 4, Geologic Profile A-A'. Both boreholes were terminated in very dense glacial soils. Each major soil unit is described below, with materials interpreted as being youngest in origin and nearest to the surface described first.

- **Fill:** Approximately 5 feet of fill was encountered at both abutment locations. The fill consisted of medium dense, gravelly, silty sand. The fill was most likely placed as part of the historic development of the Kenmore area.

- **Younger Alluvium:** Fine to medium alluvial deposits were encountered below the fill in both borings BH-1 and BH-2 and extended to depth ranging from 19 to 20 feet below existing ground surface. The younger alluvium consisted of very loose to medium dense sands with lenses of fine detrital organics and scattered wood debris.

- **Older Alluvium:** Medium dense to dense, slightly silty to silty, fine to coarse sand was encountered in both borings. These deposits varied in thickness from approximately 7 to 10 feet.

- **Glacial Till:** Glacial till was encountered in both of the soil borings. The glacial till consist of very dense gravelly, silty, fine to medium sand.

- **Glacial Outwash:** Glacial outwash sands were encountered below the till in boring BH-1. The glacial outwash consisted of very dense gravelly, slightly silty, fine sand. It extended below the termination depth of the boring.

Ground Water Conditions

Ground water was observed in both borings. The ground water was encountered approximately at 5 and 7.5 feet below ground surface in borings BH-1 and BH-2, respectively. Given the close proximity to Lake Washington, we expect that the groundwater levels at the proposed abutments will correspond to the level of Lake Washington. As the level of Lake Washington varies by as much as two feet each year, we expect that the groundwater levels will vary annually by the same amount.

DESIGN RECOMMENDATIONS

General

The proposed bridge site is underlain by a sequence of undocumented fill over alluvial sands with very dense glacial soils at depth. The saturated alluvial soils are likely to undergo liquefaction during the design seismic event. The onset of liquefaction will result in liquefaction induced ground settlements as well as lateral spreading in the vicinity of the bridge abutments. The magnitude of ground displacement associated with these phenomena is such that significant damage and possible collapse of the bridge structure may occur during the design earthquake. Mitigation of this potential would require supporting the bridge structure on large diameter deep foundations or implementing ground improvements such as stone columns to prevent liquefaction.

The costs associated with mitigating the effects of liquefaction would likely be higher than the cost to replace the pedestrian bridge in the event it was damaged during a seismic event. Furthermore, the bridge deck will only be modestly elevated above the stream channel, resulting in a low risk to life safety in the event of a complete bridge collapse. Based on high cost and low threat to life safety, we understand that the City of Kenmore has made a policy decision to not mitigate the effects of liquefaction and liquefaction induced instability. Therefore, the proposed bridge abutments are to be founded on spread footing foundations.

Seismic Design Parameters

We understand that this project will be designed in accordance with Section 3.4 of the *AASHTO Guide Specifications for LRFD Bridge Design, 2nd Edition, 2011* (AASHTO, 2011). For seismic analysis, the Site Class is determined based on the average soil properties in the upper 100 feet below the ground surface. Based on our explorations and understanding of site geology, it is our opinion that the proposed alignment is underlain by soils classifying as Site Class D. Therefore, Site Class D should be used with AASHTO seismic evaluations for this project. Table 1 presents recommended seismic coefficients for use with the general procedure described in the AASHTO Guide (AASHTO, 2011), which is based upon a design event with a 7 percent probability of exceedance in 75 years (equal to a return period of 1,033 years). Ground motions for the site are based on probabilistic earthquake hazard mapping efforts including those conducted by the United States Geological Survey (Leyendecker, et al., 2007). Accordingly, a Seismic Design Category D, as given by AASHTO (AASHTO, 2011), should be used.

Table 1.
Seismic Coefficients for Evaluation Using AASHTO

Site Class	Peak Horizontal Bedrock Acceleration PBA, (g)	Spectral Bedrock Acceleration at 0.2 sec S_s, (g)	Spectral Bedrock Acceleration at 1.0 sec S_1, (g)	Site Coefficients			Peak Horizontal Acceleration PGA, (g)
				F_{pga}	F_a	F_v	
D	0.397	0.882	0.301	1.103	1.147	1.798	0.438

Liquefaction

Liquefaction is a temporary loss of soil shear strength due to earthquake shaking. Loose, saturated, and cohesionless soils are highly susceptible to earthquake-induced liquefaction, however recent experience and research has shown that certain silts and low-plasticity clays are also susceptible. Primary factors controlling the development of liquefaction include the intensity and duration of strong ground motions, the characteristics of subsurface soils, in-situ stress conditions and the depth to ground water. In order to evaluate the liquefaction susceptibility of the soils along the project alignment, the simplified procedure originally developed by Seed and Idriss (1971), updated by Youd et al 2001, and also by Idriss and Boulanger (2004, 2006, 2008) was used.

Since the site is in Seismic Category D, the potential for liquefaction must be evaluated using the site peak ground acceleration (PGA). For this site the PGA is 0.438g. Our analyses indicate that the loose saturated sands encountered near the ground surface in borings BH-1 and BH-2 will liquefy during the design earthquake. The depth to which liquefaction is anticipated to occur varies along the alignment of the bridge in the north-south direction, as shown in Figure 5.

We performed a liquefaction sensitivity analyses to determine what return period earthquake will trigger liquefaction of the underlying soils. Based on these analysis we have determined that the soils underlying the proposed abutment on the boardwalk side of the channel are slightly more susceptible to liquefaction (liquefy sooner) than the soils on the park side. Therefore, soil conditions on the boardwalk side of the proposed bridge will govern design.

To complete our sensitivity analysis we calculated the anticipated peak ground accelerations (PGA) for the site under various earthquake return periods. Return periods of 75, 108, 114, 144, 199, 300, 405, 475, 1033 (AASHTO) and 2475 (IBC) years were evaluated. The PGA values for each of these earthquake return periods were plugged into our liquefaction analysis to determine what return period earthquake would trigger liquefaction and liquefaction induced lateral spreading. We determined that the onset of liquefaction will occur in the upper three feet of the

liquefiable zone during an earthquake with a return period of approximately 110 years (50% probability of exceed in 75 years). Earthquakes with return periods between 110 and 250 years will continue to decrease the factor of safety in this upper layer of the liquefiable zone but will not induce liquefaction of the entire zone. Earthquakes with a return period greater than 300 years will induce liquefaction of the entire liquefiable zone.

We expect that any earthquake with a return period greater than 110 years will induce some liquefaction. Any earthquake with a return period greater than 300 years will induce the full liquefaction and liquefaction induced lateral spreading. The IBC designs for liquefaction under a 2475 year return period event. Therefore, we would expect liquefaction and liquefaction induced lateral spreading to occur under the IBC design level earthquakes. The results of the liquefaction sensitivity analyses are shown in Figure 6.

As a check to make sure that our liquefaction analysis are appropriate, we obtained local seismograph records for the PGA associated with the 2001 Nisqually earthquake (where no evidence of liquefaction or liquefaction induced instability were reported). Based on our research, the nearest seismograph registered a PGA, during the Nisqually event, that roughly corresponds with a 75 year return period event (50% probability of exceed in 100 years). As our analysis indicates that liquefaction would not occur during the 75 year return period event, this adds validity to our model.

Liquefaction Induced Settlement

Loose sand deposits tend to densify when they are subject to earthquake shaking. For saturated sand deposits, excess pore water pressure builds up during the earthquake excitation, leading to loss of strength or liquefaction. After the shaking stops, excess pore water pressures dissipate toward a zone where water pressure is relatively lower, usually the ground surface. The dissipation is accompanied by a reconsolidation of the loose sand (Ishihara and Yoshimine, 1992). The reconsolidation is manifested at the ground surface as vertical settlement, usually termed as liquefaction-induced settlement or seismic settlement.

The potential for liquefaction-induced settlement was evaluated at the abutment locations. The methodologies used were developed by Ishihara and Yoshimine (1992) and Yoshimine et al (2006), and are generally based on the relationship between shear wave velocity, cyclic stress ratio, corrected SPT blow counts, and volumetric strain. Using these methods, we estimate liquefaction induced settlements of about 5 to 9 inches at both location during the 2,475 year return period earthquake. Because the bridge is supported on shallow foundations bearing in the anticipated zones of liquefaction, surface settlement of the mudline could result in a negative impact to the project.

Post Liquefaction Residual Shear Strength

Residual shear strengths for the liquefiable soils at the above described locations were developed using a weighted average of the results of the Idriss (2007), Olson and Stark (2002), Idriss and Boulanger (2007) and Kramer (2008) relationships. The residual shear strengths assigned are a function of the equivalent clean sand SPT value, $(N_1)_{60cs}$, the potential for void redistribution, and the initial effective overburden stress. At locations where $(N_1)_{60cs}$ is less than 10, we assumed void redistribution effects could be significant, which gives an appropriate conservative estimate of residual shear strength.

Slope Stability Evaluations

The proposed bridge abutments are to be constructed at the top of modest slopes that make up the banks of the stream channel. The stability of these slopes were evaluated using limit equilibrium methods utilizing the computer program SLIDE 5.0 (Rocscience, 2010). Limit equilibrium methods consider force (or moment) equilibrium along potential failure surfaces. Results are provided in terms of a factor of safety, which is computed as the ratio of the summation of the resisting forces to the summation of the driving forces. Where the factor of safety is less than 1.0, instability is predicted. With limit equilibrium, the shear strength available is assumed to mobilize at the same rate at all points along the failure surface. As a result, the factor of safety is constant over the entire failure surface.

Static Slope Stability Analysis

The static factors of safety calculated along the Geologic Profile A-A' was evaluated with Spencer's method and Bishop's Simplified method and are considered acceptable and correspond well with the stable condition observed at the site currently. Both circular and linear failure planes were evaluated.

The factor of safety of the slope, under static loading conditions, was calculated to be approximately 1.7, as shown on Figure C-1. This analyses indicates that slope instability is not likely with the current condition of the slopes.

Pseudo-Static Slope Stability Analyses

Geologic Profiles A-A' was evaluated using pseudo-static methods to evaluate the response of the slope under earthquake loading prior to the onset of liquefaction. Both Spencer's method and Bishop's Simplified method were used in this evaluation. Pseudo-static slope stability analysis model the anticipated earthquake loading as a constant horizontal force applied to the soil mass. For our analyses, we used a horizontal seismic coefficient of 0.167g, which is one-half of the

peak ground acceleration (PGA). Pre-liquefaction strengths were used for all materials in this analysis.

The results of these analyses indicate a pseudo-static factor of safety of approximately 1.11 as shown in Figure C-2. This analyses indicates that slope instability is not likely during a seismic event prior to the onset of liquefaction.

Post Liquefaction Slope Stability Analyses

Additional stability analysis were completed on the slopes depicted in Geologic Profile A-A' to determine the response of the slopes after the onset of liquefaction. The post liquefaction residual shear strengths for the liquefiable soils were used to model the anticipated loss of shear strength during a seismic event. These analysis yielded a factor of safety of approximately 0.58, as shown on Figure C-3. As a factor of safety less the 1.0 was calculated, we expect the existing slopes to undergo lateral spreading upon the onset of liquefaction

Liquefaction-induced lateral spreading occurs as the shear strength of liquefiable soils decrease during seismic shaking but do not decrease to the point that a complete flow failure would occur. Lateral spreading occurs cyclically when the horizontal ground accelerations combine with gravity to create driving forces which temporarily exceed the available strength of the soil mass. This is a type of failure known as cyclic mobility. The result of a lateral spreading failure is horizontal movement of the partially liquefied soils and any overlying crust of non-liquefied soils. We would expect displacements associated with lateral spreading to be on the order of a several feet.

Foundation Recommendations

It is our understanding that the city of Kenmore would like the proposed pedestrian bridge to be founded on spread footing foundations. These spread footing foundations are to bear between elevation 17 and 19 feet and will be susceptible to liquefaction induced settlement and lateral spreading during the design earthquake. The anticipated settlements and lateral displacements could be large enough to cause significant damage to the bridge structure, including collapse, during the design seismic event.

Foundation Bearing Capacity

Foundations for this structure should be designed for an allowable bearing pressures no greater than 2,500 pounds per square foot (psf). The maximum allowable pressure may be increased by 30 percent for seismic loadings. The footings should bear on a 1-foot-thick (minimum) pad of

compacted CSBC. The crushed rock pads should extend at least 2 feet outside the perimeters of the footings.

Crushed rock placed below footings should be compacted to a dense and unyielding condition and at least 95% of its maximum density, as determined using test method ASTM D 1557 (Modified Proctor).

Wind, earthquakes, and unbalanced earth loads will subject the proposed structure to lateral forces. Lateral forces on a structure will be resisted by a combination of sliding or frictional resistance developed along its base or supporting footings, and passive earth pressure against the buried portions of the structure and its foundations. Frictional resistance forces should be evaluated using a coefficient of friction of 0.5 for the compacted structural fill, along the interface between the base of the footing and the underlying soils. Passive earth pressures in permanent backfill soil should be estimated using an ultimate equivalent fluid pressure of 180 pounds per cubic feet (pcf).

Foundation subgrade preparations

Foundation subgrade preparation is important to limit differential settlement of the proposed bridge structure. We recommend that footing excavations be dug using an excavator with a smooth bucket, to limit disturbance to the subgrade. Where large cobbles are encountered in the excavation base they should be removed, and the resulting depressions backfilled with additional structural fill. If the foundation subgrade is disturbed, it will be necessary to compact or remove the disturbed materials prior to the placement of CSBC, structural fill, or reinforcing steel and concrete. The exposed subgrade should be inspected for any loose or yielding materials, or organic material. Such materials should be removed and replaced with structural fill placed in accordance with the criteria presented later in this report. A representative of HWA should observe the soils encountered during foundation excavation to verify depth requirements and suitable subgrade bearing conditions.

Temporary Foundation Excavations

Any excavations deeper than 4 feet should be sloped or shored in accordance with current State of Washington Labor and Industries Safety and Health guidelines. Per these guidelines, all site soils are classified as Type C Soil. Temporary unsupported excavations within Type C Soil should be sloped no steeper than 1.5H:1V (horizontal: vertical). Flatter side slopes could be required for excavations where ground water seepage is present.

The contractor should monitor the stability of the temporary excavations and adjust the construction schedule and slope inclination accordingly. The contractor should be responsible

for control of ground and surface water and should employ sloping, slope protection, ditching, sumps, and other measures, as necessary, to prevent sloughing of soils.

The design, installation and maintenance of temporary shoring should be the responsibility of the contractor.

Embankment Subgrade Preparation

It is our understanding that modest fills will be required to raise grade at the proposed abutments. Embankment subgrade preparation should begin with the removal of the upper 1 foot (minimum) of organic rich soil/topsoil. Following removal of organic soils, the subgrade surface should be thoroughly compacted with a suitably sized, vibratory roller compacter or an excavator-mounted vibrating plate compactor (hoepac). A geotechnical engineer, or qualified earthwork technician, should evaluate the subgrade soils before and after compaction to verify organic rich soils are removed and adequate compaction is achieved.

Embankment/Structural Fill and Compaction

For the purposes of this report, material used to raise site grades should be considered embankment fill, and material placed directly under structures should be classified as structural fill.

The native fill soils are not suitable for re-use as embankment fill or structural fill.

Embankment fill should consist of clean, free-draining, granular soils free from organic matter or other deleterious materials. Such materials should be less than 4 inches in maximum particle dimension, with less than 7 percent fines (portion passing the U. S. Standard No. 200 sieve), as specified for "Gravel Borrow" in Section 9-03.14(1) of the WSDOT *Standard Specifications* (WSDOT, 2014). The fine-grained portion of structural fill soils should be non-plastic.

Structural fill to should consist of Crushed Surfacing Base Course, meeting the requirements of Section 9-03.9(3) of the WSDOT *Standard Specifications* (WSDOT, 2014).

Embankment and structural fill should be placed in loose, horizontal, lifts of not more than 8 inches in thickness and compacted to at least 95 percent of the maximum dry density, as determined using test method ASTM D 1557 (Modified Proctor). At the time of placement, the moisture content of structural fill should be at or near optimum. The procedure required to achieve the specified minimum relative compaction depends on the size and type of compaction equipment, the number of passes, thickness of the layer being compacted, and the soil moisture-density properties.

Wet Weather Earthwork

As the native, on-site soils are moisture sensitive, and will be unworkable when wet, we do not recommend earthwork be performed in wet conditions. General recommendations relative to earthwork that must necessarily be performed during wet weather or in wet conditions are presented below. These recommendations should be incorporated into the contract specifications.

- Earthwork should be performed in small areas to minimize exposure to wet weather. Excavation or the removal of unsuitable soils should be followed promptly by the placement and compaction of clean structural fill. The size and type of construction equipment used may have to be limited to prevent soil disturbance.

- The ground surface within the construction area should be graded to promote run-off of surface water and to prevent the ponding of water.

- The ground surface within the construction area should be sealed by a smooth drum vibratory roller, or equivalent, and under no circumstances should be left uncompacted and exposed to moisture.

- Excavation and placement of structural fill material should be performed under the full-time observation of a representative of the geotechnical engineer, to determine that the work is being accomplished in accordance with the project specifications and the recommendations contained herein.

CONDITIONS AND LIMITATIONS

We have prepared this report for City of Kenmore and the Perteet Design team use in design of this project. The conclusions and interpretations presented in this report should not be construed as our warranty of subsurface conditions at the site. Experience has shown that soil and ground water conditions can vary significantly over small distances and with time. Inconsistent conditions can occur between explorations that may not be detected by a geotechnical study of this scope and nature. Additional explorations may be necessary to further determine subsurface conditions depending on the alternatives selected for final design.

Within the limitations of approved scope, schedule and budget, HWA attempted to execute these services in accordance with generally accepted professional principles and practices in the fields of geotechnical engineering and engineering geology at the time the report was prepared. No warranty, express or implied, is made.

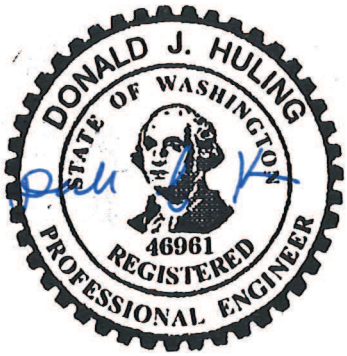
HWA does not practice or consult in the field of safety engineering. We do not direct the contractor's operations, and cannot be responsible for the safety of personnel other than our own on

the site. As such, the safety of others is the responsibility of the contractor. However, the contractor should notify the owner if any of the recommended actions presented herein are considered unsafe.

We appreciate the opportunity to provide geotechnical services on this project. Should you have any questions or comments, or if we may be of further service, please do not hesitate to call.

Sincerely,

HWA GEOSCIENCES INC.



Donald J. Huling, P.E.
Geotechnical Engineer

Sandy Ramos, P.E.
Geotechnical Engineer

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BASE MAP FROM GOOGLE EARTH©2014

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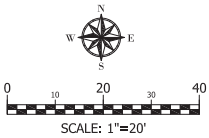
VICINITY MAP

LOG BOOM PARK
PEDESTRIAN BRIDGE
KENMORE, WASHINGTON

FIGURE NO. 1

PROJECT NO. 2014-008



BH-2 BORING DESIGNATION AND APPROXIMATE LOCATION

HWA GEOSCIENCES INC.	LOG BOOM PARK PEDESTRIAN BRIDGE KENMORE, WASHINGTON	SITE AND EXPLORATION MAP	DRAWN BY EFK CHECK BY DH/SR DATE: 03.05.14	FIGURE # 2 PROJECT # 2014-008-21 T0100

S:\2014 PROJECTS\2014-008-21 LOG BOOM PARK PEDESTRIAN BRIDGE\CAD 2014-008\HWA 2014-008.DWG <FIG 2 SE> Plotted: 3/17/2014 5:09 PM

Qyal **Younger Alluvium**—Poorly drained fluvial sediments consisting of mostly sand and gravel with some layers of organic rich mud.

Qoal **Older Alluvium**—Mostly stratified gravels with some sandy pebbly organic rich silt. Clasts are derived from older adjacent deposits and is generally well drained.

Qtb **Transitional Beds**—Pre-Fraser glacial and non glacial deposits of clay, silt, and fine to very fine sands. Glacially over consolidated and poorly draining

Qvt **Vashon till**—Unstratified and, in most exposures, highly compacted mixture of clay, silt, sand, and gravel deposited directly by glacier ice.

Qva **Vashon advance outwash**—Sand and gravel and lacustrine clay, silt, and sand of northern or mixed northern and Cascadian source, deposited during glacial advance.

Map not to scale. Excerpt from Geologic Map of the Edmonds , East and part of the Edmonds West Quadrangles, Washington (Minard J.P., 1983)

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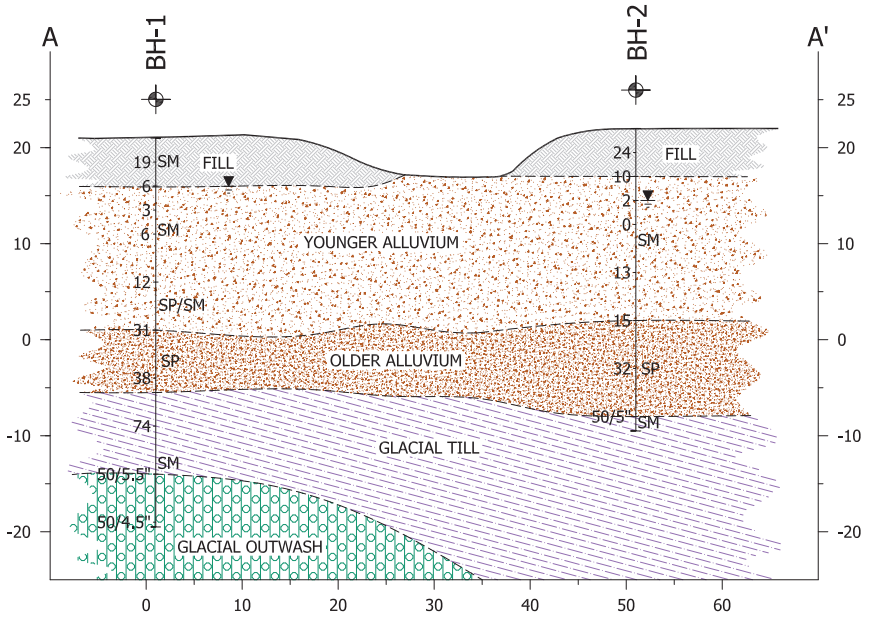
GEOLOGIC MAP

LOG BOOM PARK
PEDESTRIAN BRIDGE
KENMORE, WA

FIGURE NO.
3

PROJECT NO.
2014-008



LEGEND

- FILL
- YOUNG ALLUVIUM
- OLDER ALLUVIUM
- GLACIAL TILL
- GLACIAL OUTWASH

BH-2 HWA BORINGS

0 5 10 15 20

H/V SCALE: 1"=10'

LEGEND

BH-11	BOREHOLE DESIGNATION
SM	USCS SOIL CLASSIFICATION
6	BLOW COUNT
	GROUND WATER LEVEL
29	INFERRED GEOLOGIC CONTACT
35	BOTTOM OF BORING

The subsurface conditions shown are based on widely spaced borings and should be considered approximate. Further, the contact lines shown between units are interpretive in nature and may vary laterally or vertically over relatively short distances on site.

HWA GEOSCIENCES INC.

LOG BOOM PARK
PEDESTRIAN BRIDGE
KENMORE, WASHINGTON

GEOLOGIC PROFILE
A-A'

DRAWN BY	EFK
CHECK BY	DH/SR
DATE:	03.05.14
FIGURE #	4
PROJECT #	2014-008-21 T0100

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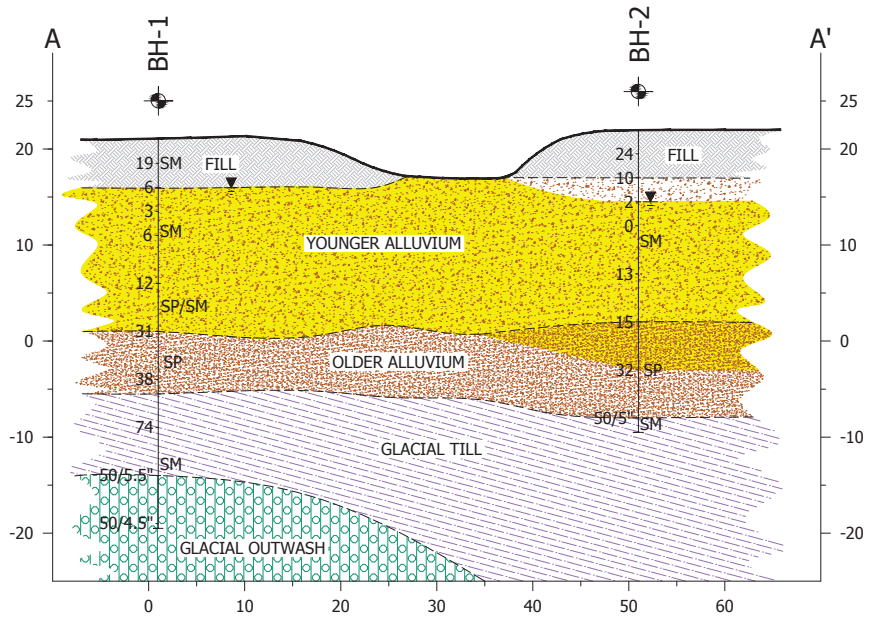

LEGEND

- FILL
- YOUNG ALLUVIUM
- OLDER ALLUVIUM
- GLACIAL TILL
- GLACIAL OUTWASH
- LIQUEFIABLE

BH-2 HWA BORINGS

0 5 10 15 20
H/V SCALE: 1"=10'

LEGEND

BH-11 — BOREHOLE DESIGNATION
SM — USCS SOIL CLASSIFICATION
6 — BLOW COUNT
GROUND WATER LEVEL
29 — INFERRED GEOLOGIC CONTACT
35 — BOTTOM OF BORING

The subsurface conditions shown are based on widely spaced borings and should be considered approximate. Further, the contact lines shown between units are interpretive in nature and may vary laterally or vertically over relatively short distances on site.

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LOG BOOM PARK
PEDESTRIAN BRIDGE
KENMORE, WASHINGTON

LIQUEFIABLE SOILS ALONG GEOLOGIC PROFILE A-A'

DRAWN BY	FIGURE #
EFK	5
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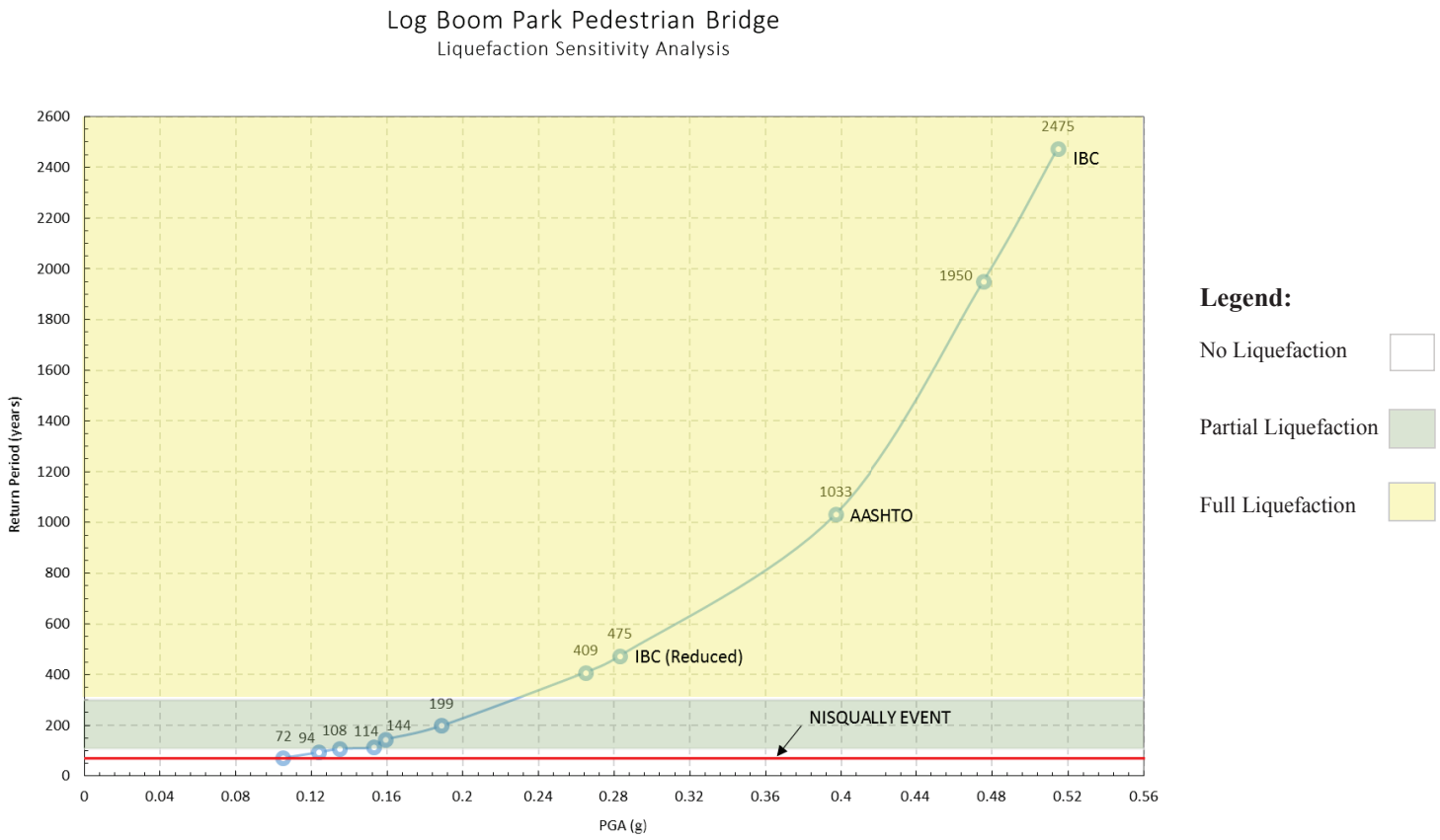
S:\2014 PROJECTS\2014-008-21 LOG BOOM PARK PEDESTRIAN BRIDGE\CAD 2014-008\HWA 2014-008.DWG <FIG 5 Liquefiable> Plotted: 5/28/2014 2:45 PM



HWA GEOSCIENCES INC.

LIQUEFACTION SENSITIVITY ANALYSIS

LOG BOOM PARK
PEDESTRIAN BRIDGE
KENMORE, WASHINGTON

FIGURE NO. 6

PROJECT NO. 2014-008-21

APPENDIX A

FIELD EXPLORATIONS

RELATIVE DENSITY OR CONSISTENCY VERSUS SPT N-VALUE

COHESIONLESS SOILS			COHESIVE SOILS		
Density	N (blows/ft)	Approximate Relative Density(%)	Consistency	N (blows/ft)	Approximate Undrained Shear Strength (psf)
Very Loose	0 to 4	0 - 15	Very Soft	0 to 2	<250
Loose	4 to 10	15 - 35	Soft	2 to 4	250 - 500
Medium Dense	10 to 30	35 - 65	Medium Stiff	4 to 8	500 - 1000
Dense	30 to 50	65 - 85	Stiff	8 to 15	1000 - 2000
Very Dense	over 50	85 - 100	Very Stiff	15 to 30	2000 - 4000
			Hard	over 30	>4000

USCS SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS			GROUP DESCRIPTIONS	
Coarse Grained Soils	Gravel and Gravelly Soils	Clean Gravel (little or no fines)	GW	Well-graded GRAVEL
			GP	Poorly-graded GRAVEL
	More than 50% of Coarse Fraction Retained on No. 4 Sieve	Gravel with Fines (appreciable amount of fines)	GM	Silty GRAVEL
			GC	Clayey GRAVEL
	Sand and Sandy Soils	Clean Sand (little or no fines)	SW	Well-graded SAND
			SP	Poorly-graded SAND
More than 50% Retained on No. 200 Sieve Size	50% or More of Coarse Fraction Passing No. 4 Sieve	Sand with Fines (appreciable amount of fines)	SM	Silty SAND
			SC	Clayey SAND
Fine Grained Soils	Silt and Clay	Liquid Limit Less than 50%	ML	SILT
			CL	Lean CLAY
			OL	Organic SILT/Organic CLAY
50% or More Passing No. 200 Sieve Size	Silt and Clay	Liquid Limit 50% or More	MH	Elastic SILT
			CH	Fat CLAY
			OH	Organic SILT/Organic CLAY
Highly Organic Soils			PT	PEAT

TEST SYMBOLS

%F	Percent Fines
AL	Atterberg Limits: PL = Plastic Limit, LL = Liquid Limit
CBR	California Bearing Ratio
CN	Consolidation
DD	Dry Density (pcf)
DS	Direct Shear
GS	Grain Size Distribution
K	Permeability
MD	Moisture/Density Relationship (Proctor)
MR	Resilient Modulus
PID	Photoionization Device Reading
PP	Pocket Penetrometer Approx. Compressive Strength (tsf)
SG	Specific Gravity
TC	Triaxial Compression
TV	Torvane Approx. Shear Strength (tsf)
UC	Unconfined Compression

SAMPLE TYPE SYMBOLS

- 2.0" OD Split Spoon (SPT) (140 lb. hammer with 30 in. drop)
- Shelby Tube
- 3-1/4" OD Split Spoon with Brass Rings
- Small Bag Sample
- Large Bag (Bulk) Sample
- Core Run
- Non-standard Penetration Test (3.0" OD split spoon)

GROUNDWATER SYMBOLS

- Groundwater Level (measured at time of drilling)
- Groundwater Level (measured in well or open hole after water level stabilized)

COMPONENT DEFINITIONS

COMPONENT	SIZE RANGE
Boulders	Larger than 12 in
Cobbles	3 in to 12 in
Gravel	3 in to No 4 (4.5mm)
Coarse gravel	3 in to 3/4 in
Fine gravel	3/4 in to No 4 (4.5mm)
Sand	No. 4 (4.5 mm) to No. 200 (0.074 mm)
Coarse sand	No. 4 (4.5 mm) to No. 10 (2.0 mm)
Medium sand	No. 10 (2.0 mm) to No. 40 (0.42 mm)
Fine sand	No. 40 (0.42 mm) to No. 200 (0.074 mm)
Silt and Clay	Smaller than No. 200 (0.074mm)

COMPONENT PROPORTIONS

PROPORTION RANGE	DESCRIPTIVE TERMS
< 5%	Clean
5 - 12%	Slightly (Clayey, Silty, Sandy)
12 - 30%	Clayey, Silty, Sandy, Gravelly
30 - 50%	Very (Clayey, Silty, Sandy, Gravelly)
Components are arranged in order of increasing quantities.	

NOTES: Soil classifications presented on exploration logs are based on visual and laboratory observation. Soil descriptions are presented in the following general order:

Density/consistency, color, modifier (if any) GROUP NAME, additions to group name (if any), moisture content. Proportion, gradation, and angularity of constituents, additional comments. (GEOLOGIC INTERPRETATION)

Please refer to the discussion in the report text as well as the exploration logs for a more complete description of subsurface conditions.

MOISTURE CONTENT

DRY	Absence of moisture, dusty, dry to the touch.
MOIST	Damp but no visible water.
WET	Visible free water, usually soil is below water table.

HWA GEOSCIENCES INC.

Log Boom Park
Pedestrian Bridge
Kenmore, WA

LEGEND OF TERMS AND SYMBOLS USED ON EXPLORATION LOGS

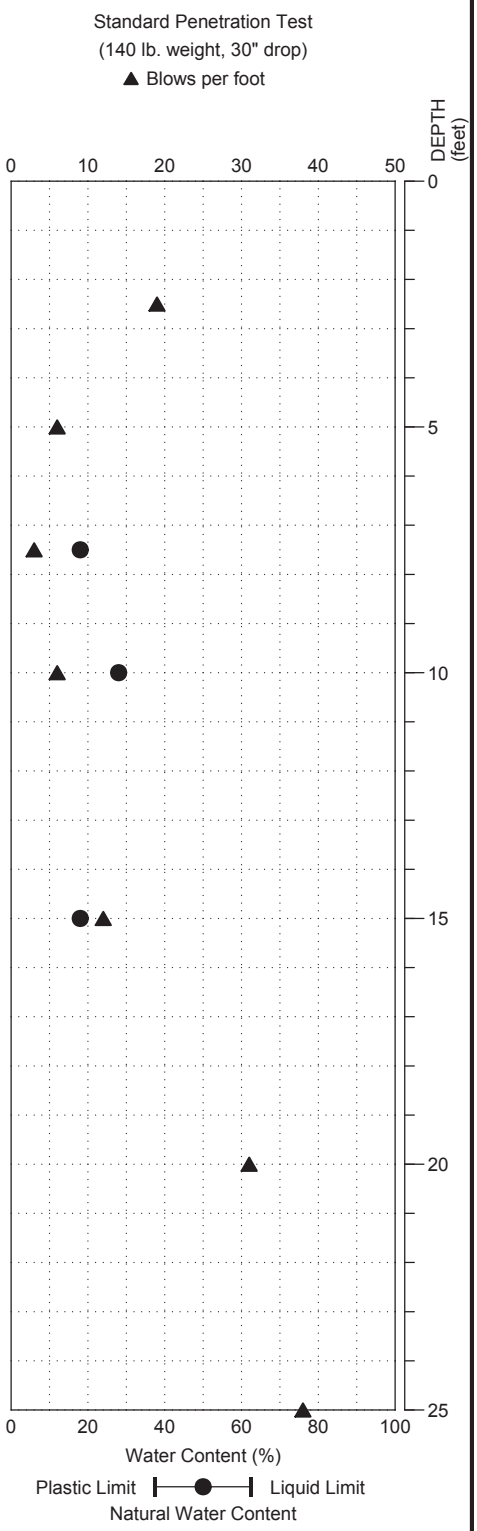
PROJECT NO.: 2014-008 FIGURE: A-1

DRILLING COMPANY: Geologic Drill, Inc.
DRILLING METHOD: Mini Track rig Hollow Stem Auger
SAMPLING METHOD: Cathead SPT
SURFACE ELEVATION: ± feet

LOCATION: West side of Stream
DATE STARTED: 2/26/2013
DATE COMPLETED: 2/26/2013
LOGGED BY: D. Coltrane

DEPTH (feet)	USCS SOIL CLASS	DESCRIPTION	SAMPLE NUMBER	PEN. RESISTANCE (blows/6 inches)	OTHER TESTS
0		**[FILL]** 4-inches topsoil at surface becomes gray gravelly, silty SAND cutting to 2.5 feet.			
		Medium dense, gray, gravelly, silty SAND, moist to wet.	S-1	6-10-9	
5	SM	**[YOUNGER ALLUVIUM]** Loose, gray, slightly gravelly, slightly sandy, fine to coarse SAND, moist to wet.	S-2	5-4-2	
		Very loose, gray, slightly gravelly, fine to medium SAND with interbeds of brown sandy SILT to silty SAND, wet.	S-3	1-2-1	%F
10		Loose, gray and grown, interbedded, brown silty SAND to sandy SILT and gray fine to medium sand, wet. Bits of wood at tip of sampler.	S-4	2-3-3	%F
15		Medium dense, gray, interbedded slightly silty, fine to medium SAND, medium t coarse SAND, gray-brown silty SAND to sandy SILT and thin layer of fine GRAVEL, wet. Becomes coarser toward bottom of sample.	S-5	2-6-6	%F
20	SP	**[OLDER ALLUVIUM]** Dense, gray, slightly silty, slightly gravelly, fine to coarse SAND, wet.	S-6	9-16-15	
25					

GROUNDWATER



For a proper understanding of the nature of subsurface conditions, this exploration log should be read in conjunction with the text of the geotechnical report.

NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

HWA GEOSCIENCES INC.

Log Boom Park
Pedestrian Bridge
Kenmore, WA

BORING:
BH-1

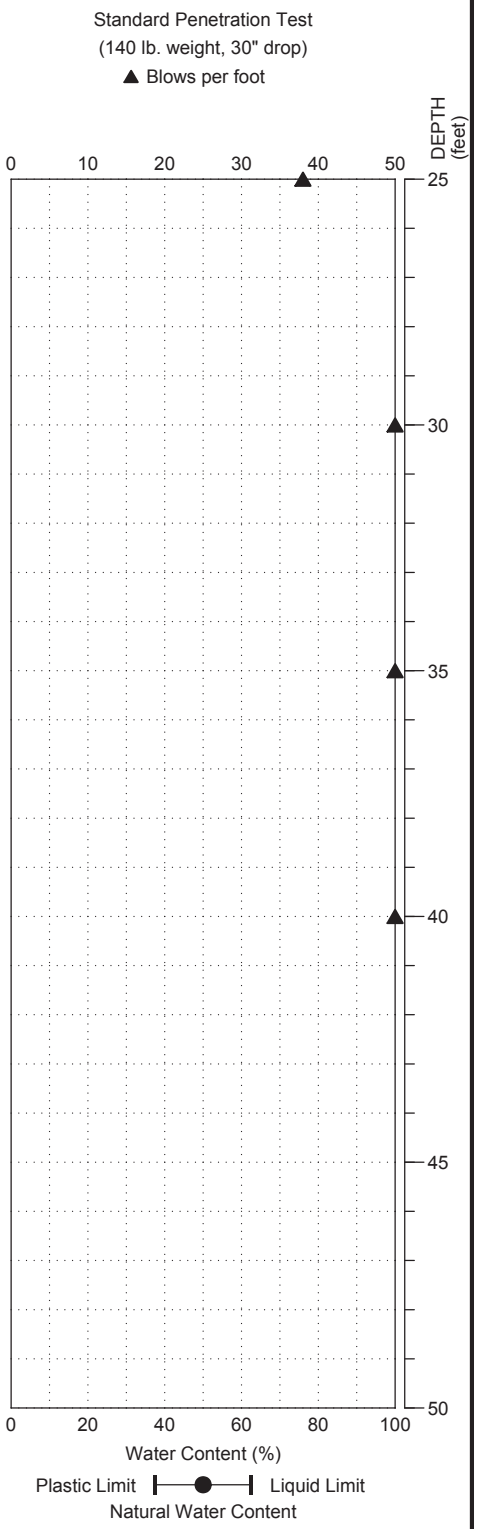
PROJECT NO.: 2014-008 FIGURE: A-2

DRILLING COMPANY: Geologic Drill, Inc.
DRILLING METHOD: Mini Track rig Hollow Stem Auger
SAMPLING METHOD: Cathead SPT
SURFACE ELEVATION: ± feet

LOCATION: West side of Stream
DATE STARTED: 2/26/2013
DATE COMPLETED: 2/26/2013
LOGGED BY: D. Coltrane

DEPTH (feet)	SYMBOL	USCS SOIL CLASS	DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	PEN. RESISTANCE (blows/6 inches)	OTHER TESTS	GROUNDWATER
25			Dense, gray, fine to medium SAND, wet. Becomes light brown, slightly gravelly, silty SAND at tip of sampler.		S-7	18-17-21		
		SM	**[GLACIAL TILL]**					
30			Very dense, brown to light brown, silty, gravelly fine SAND, moist.		S-8	48-34-40		
35		SP	Very dense, brown to light brown, slightly silty, fine SAND, moist. **[GLACIAL OUTWASH]**		S-9	40-50/5.5"		
40			Poor recovery. Very dense, light brown, slightly silty, gravelly SAND, moist.		S-10	50/4.5"		
45								
50								

Boring terminated at 40.5 feet below ground surface. Ground water seepage was observed at 5 feet below ground surface.



For a proper understanding of the nature of subsurface conditions, this exploration log should be read in conjunction with the text of the geotechnical report.

NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

HWA GEOSCIENCES INC.

Log Boom Park
Pedestrian Bridge
Kenmore, WA

BORING:
BH-1

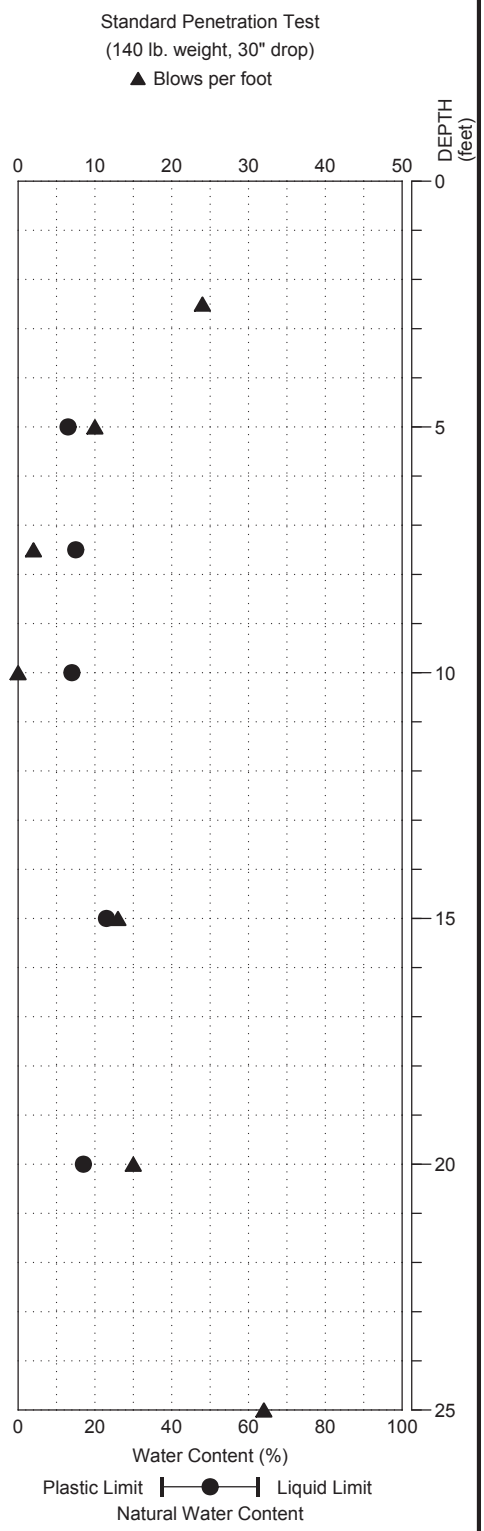
PROJECT NO.: 2014-008 FIGURE: A-2

DRILLING COMPANY: Geologic Drill, Inc.
DRILLING METHOD: Acker rig Hollow Stem Auger
SAMPLING METHOD: Cathead SPT
SURFACE ELEVATION: ± feet

LOCATION: East side of Stream
DATE STARTED: 2/26/2013
DATE COMPLETED: 2/26/2013
LOGGED BY: D. Coltrane

DEPTH (feet)	USCS SOIL CLASS	DESCRIPTION	SAMPLE NUMBER	PEN. RESISTANCE (blows/6 inches)	OTHER TESTS
0		**[FILL]** 4-inches topsoil at surface becomes dark gray gravelly, silty SAND cutting to 2.5 feet.			
		Medium dense, grayish brown, silty, gravelly SAND, moist. Rootlets.	S-1	8-15-9	
5	SM	**[YOUNGER ALLUVIUM]** Medium dense, gray, slightly gravelly, slightly silty, fine to medium SAND, moist.	S-2	5-5-5	%F
		Very loose, gray slightly gravelly, silty SAND to sandy SILT, wet.	S-3	1-1-1	GS
10		Very loose, gray, very silty, gravelly, fine to medium SAND, wet.	S-4	0-0-0	%F
15		Medium dense, grayish brown to brown sandy SILT grading into silty SAND with gravel at tip, wet. Bits of organic debris at 15-15.5'	S-5	2-2-11	%F
20	SP	**[OLDER ALLUVIUM]** Medium dense, gray, clean fine to medium SAND, becoming coarse at tip. Maybe heave.	S-6	8-8-7	GS
25					

GROUNDWATER



For a proper understanding of the nature of subsurface conditions, this exploration log should be read in conjunction with the text of the geotechnical report.

NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

HWA GEOSCIENCES INC.

Log Boom Park
Pedestrian Bridge
Kenmore, WA

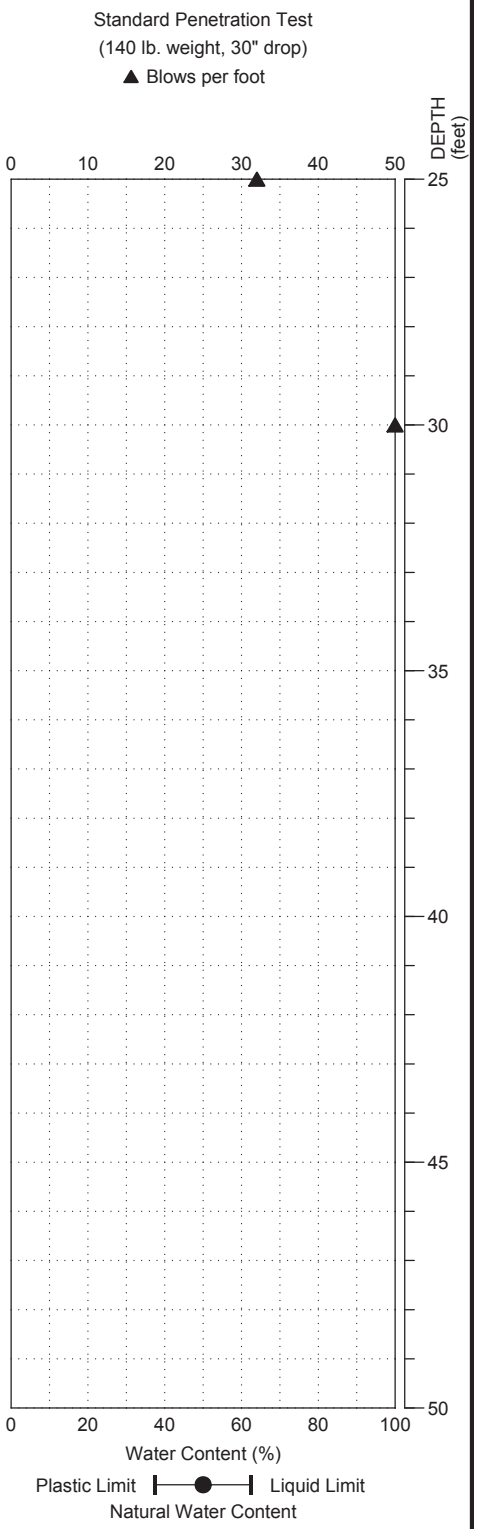
BORING:
BH-2

PROJECT NO.: 2014-008 FIGURE: A-3

DRILLING COMPANY: Geologic Drill, Inc.
DRILLING METHOD: Acker rig Hollow Stem Auger
SAMPLING METHOD: Cathead SPT
SURFACE ELEVATION: ± feet

LOCATION: East side of Stream
DATE STARTED: 2/26/2013
DATE COMPLETED: 2/26/2013
LOGGED BY: D. Coltrane

DEPTH (feet)	SYMBOL	USCS SOIL CLASS	DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	PEN. RESISTANCE (blows/6 inches)	OTHER TESTS	GROUNDWATER
25			Dense, gray, slightly silty, fine to medium SAND, becoming clean fine to coarse SAND, wet. Maybe heave.		S-7	29-18-14		
30		SM	**[GLACIAL TILL]** Brown to light brown, silty fine to coarse SAND, moist. Becoming finer sand near tip.		S-8	10-50/5"		
			Boring was terminated at 31.5 feet below ground surface due to heave and sand lock on the augers. Ground water seepage was observed at 7.5 feet below ground surface.					
35								
40								
45								
50								



For a proper understanding of the nature of subsurface conditions, this exploration log should be read in conjunction with the text of the geotechnical report.

NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

HWA GEOSCIENCES INC.

Log Boom Park
Pedestrian Bridge
Kenmore, WA

BORING:
BH-2

PROJECT NO.: 2014-008 FIGURE: A-3

APPENDIX B

LABORATORY TEST RESULTS

APPENDIX B

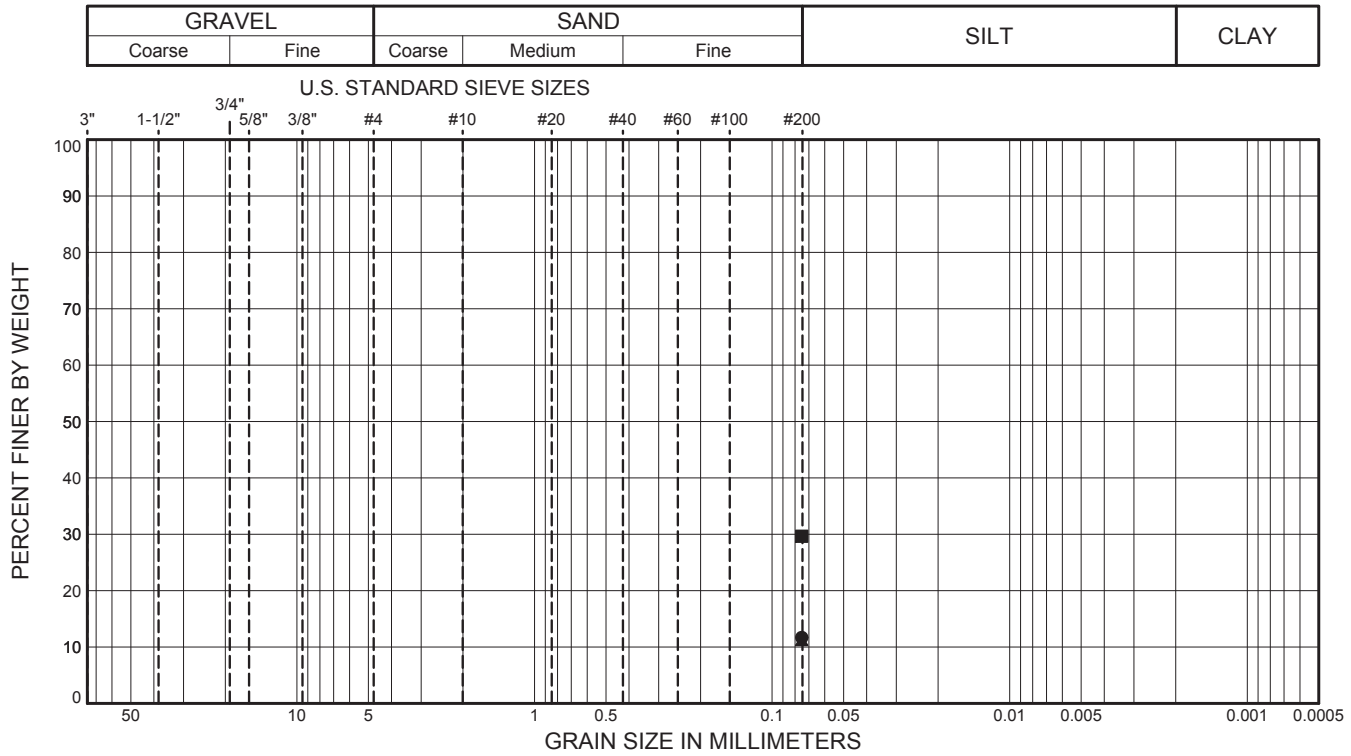
LABORATORY INVESTIGATION

Representative soil samples obtained from our explorations were placed in plastic bags to prevent loss of moisture and transported to our Bothell, Washington, laboratory for further examination and testing. Laboratory tests were conducted on selected soil samples to characterize relevant engineering and index properties of the site soils. Laboratory testing was conducted as described below:

MOISTURE CONTENT OF SOIL: The moisture content of selected soil samples (percent by dry mass) was determined in general accordance with ASTM D 2216. The results are shown at the sampled intervals on the appropriate exploration logs in Appendix A.

PARTICLE SIZE ANALYSIS OF SOILS: Selected samples were tested to determine the particle (grain) size distribution of material in general accordance with ASTM D 422. The results are summarized on the attached Particle Size Analysis of Soils reports, Figures B-1 through B-3, which also provide information regarding the classification of the sample, and the moisture content at the time of testing.

PERCENT OF MATERIAL PASSING THE U.S. NO. 200 SIEVE: Selected samples were tested to determine the quantity by mass of soil particles finer than 0.075 mm (U.S. No. 200 sieve) in general accordance with ASTM D1140. The results are summarized on the attached Particle Size Analysis of Soils reports, Figures B-1 through B-3, which also provide information regarding the classification of the sample, and the moisture content at the time of testing.



SYMBOL	SAMPLE		DEPTH (ft)	CLASSIFICATION OF SOIL- ASTM D2487 Group Symbol and Name	% MC	LL	PL	PI	Gravel %	Sand %	Fines %
●	BH-1	S-3	7.5 - 9.0	(SP-SM) Dark gray, poorly graded SAND with silt and gravel	18				0.0		11.7
■	BH-1	S-4	10.0 - 11.5	(SM) Olive gray, silty SAND	28				0.0		29.6
▲	BH-1	S-5	15.0 - 16.5	(SP-SM) Olive brown, poorly graded SAND with silt and gravel	18				0.0		11.2

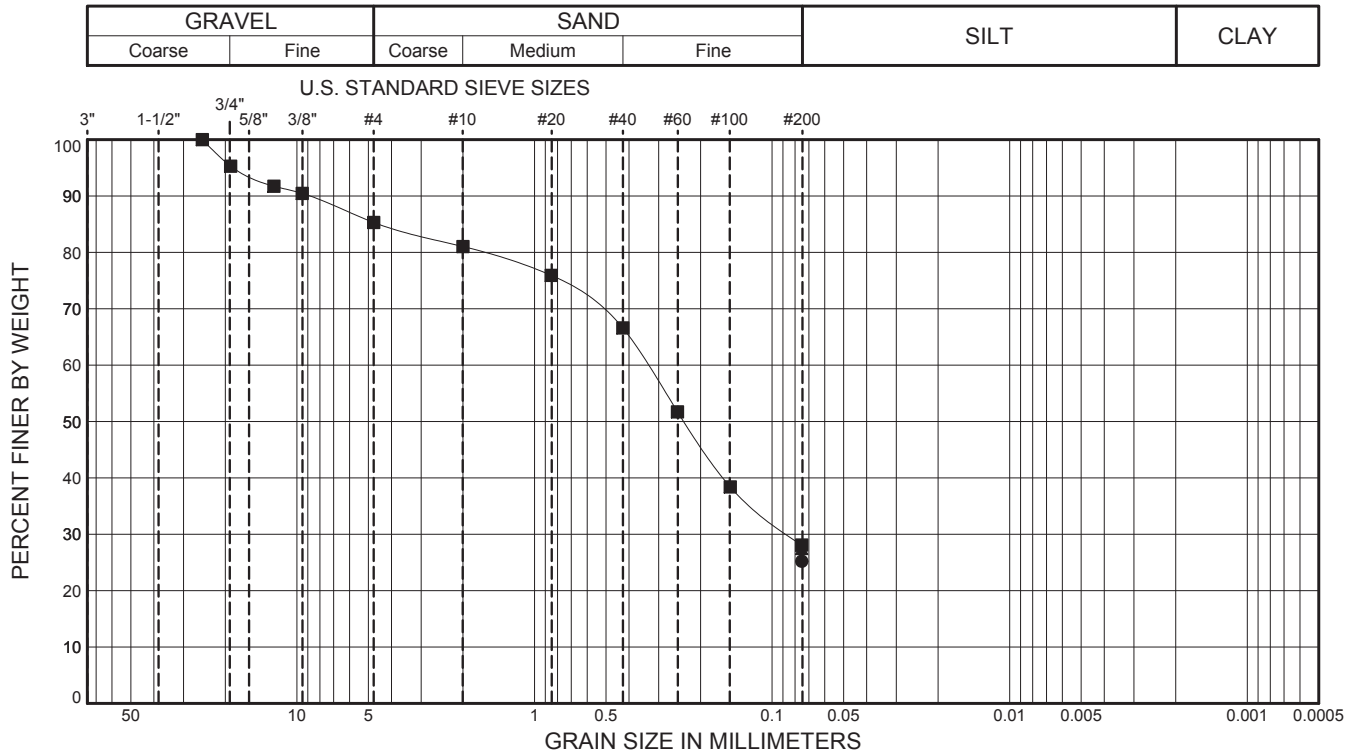
HWA GEOSCIENCES INC.

Log Boom Park
Pedestrian Bridge
Kenmore, WA

PARTICLE-SIZE ANALYSIS
OF SOILS
METHOD ASTM D422

PROJECT NO.: 2014-008 FIGURE: B-1

HWAGRSZ 2014-008.GPJ 5/27/14



SYMBOL	SAMPLE		DEPTH (ft)	CLASSIFICATION OF SOIL- ASTM D2487 Group Symbol and Name	% MC	LL	PL	PI	Gravel %	Sand %	Fines %
●	BH-2	S-2	5.0 - 6.5	(SM) Dark gray, silty SAND	13				0.0		25.2
■	BH-2	S-3	7.5 - 9.0	(SM) Gray, silty SAND	15				14.7	57.2	28.1
▲	BH-2	S-4	10.0 - 11.5	(SM) Gray, silty SAND	14				0.0		27.3

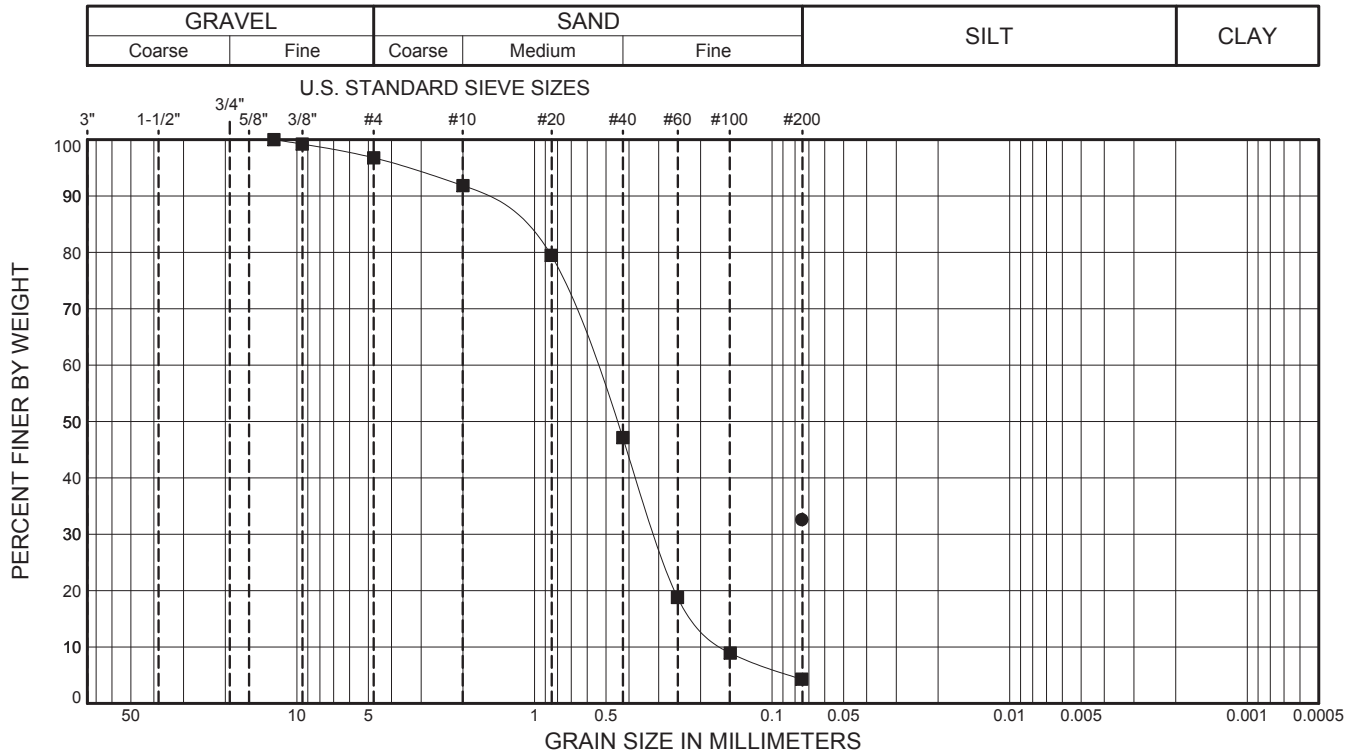
HWA GEOSCIENCES INC.

Log Boom Park
Pedestrian Bridge
Kenmore, WA

PARTICLE-SIZE ANALYSIS
OF SOILS
METHOD ASTM D422

PROJECT NO.: 2014-008 FIGURE: B-2

HWAGRSZ 2014-008.GPJ 5/27/14



SYMBOL	SAMPLE		DEPTH (ft)	CLASSIFICATION OF SOIL- ASTM D2487 Group Symbol and Name	% MC	LL	PL	PI	Gravel %	Sand %	Fines %
●	BH-2	S-5	15.0 - 16.5	(SM) Very dark grayish brown, silty SAND	23				0.0		32.6
■	BH-2	S-6	20.0 - 21.5	(SP) Dark gray, poorly graded SAND	17				3.2	92.5	4.3

HWA GEOSCIENCES INC.

Log Boom Park
Pedestrian Bridge
Kenmore, WA

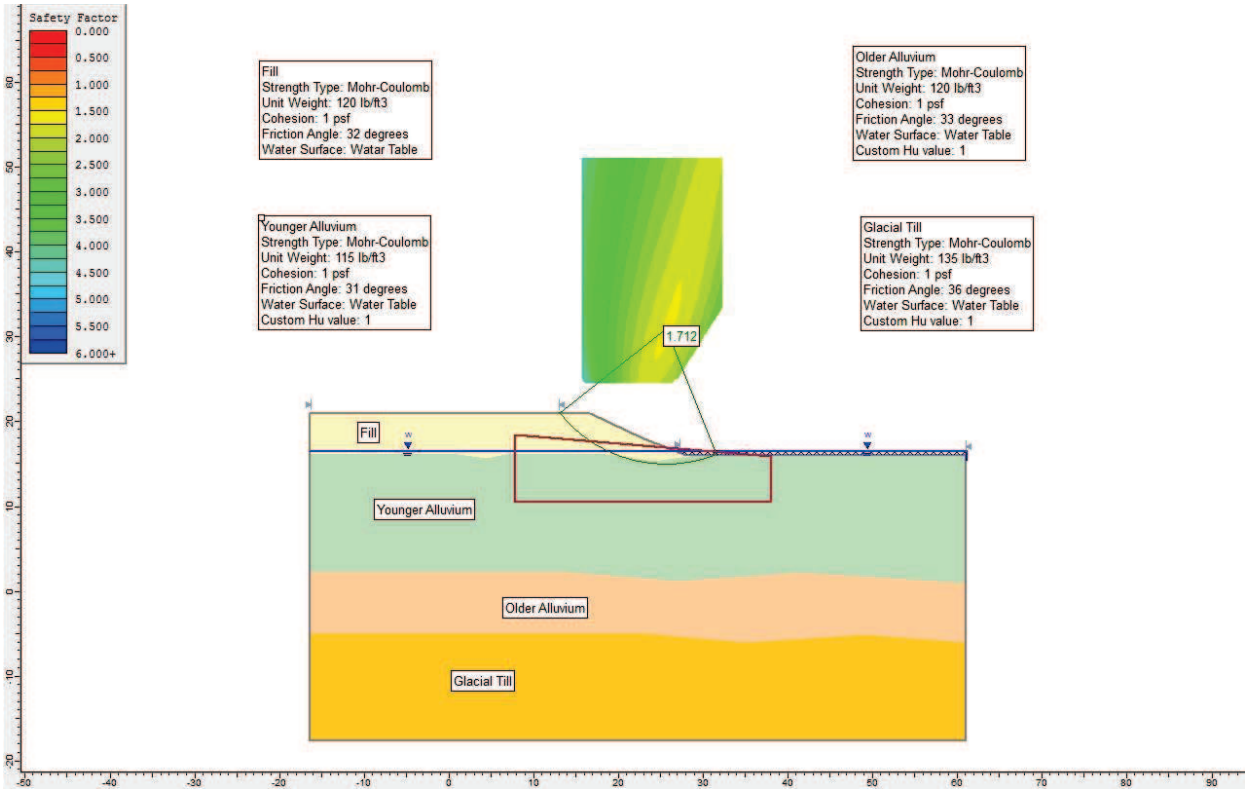
PARTICLE-SIZE ANALYSIS
OF SOILS
METHOD ASTM D422

PROJECT NO.: 2014-008 FIGURE: B-3

HWAGRSZ 2014-008.GPJ 5/27/14

APPENDIX C

GLOBAL STABILITY



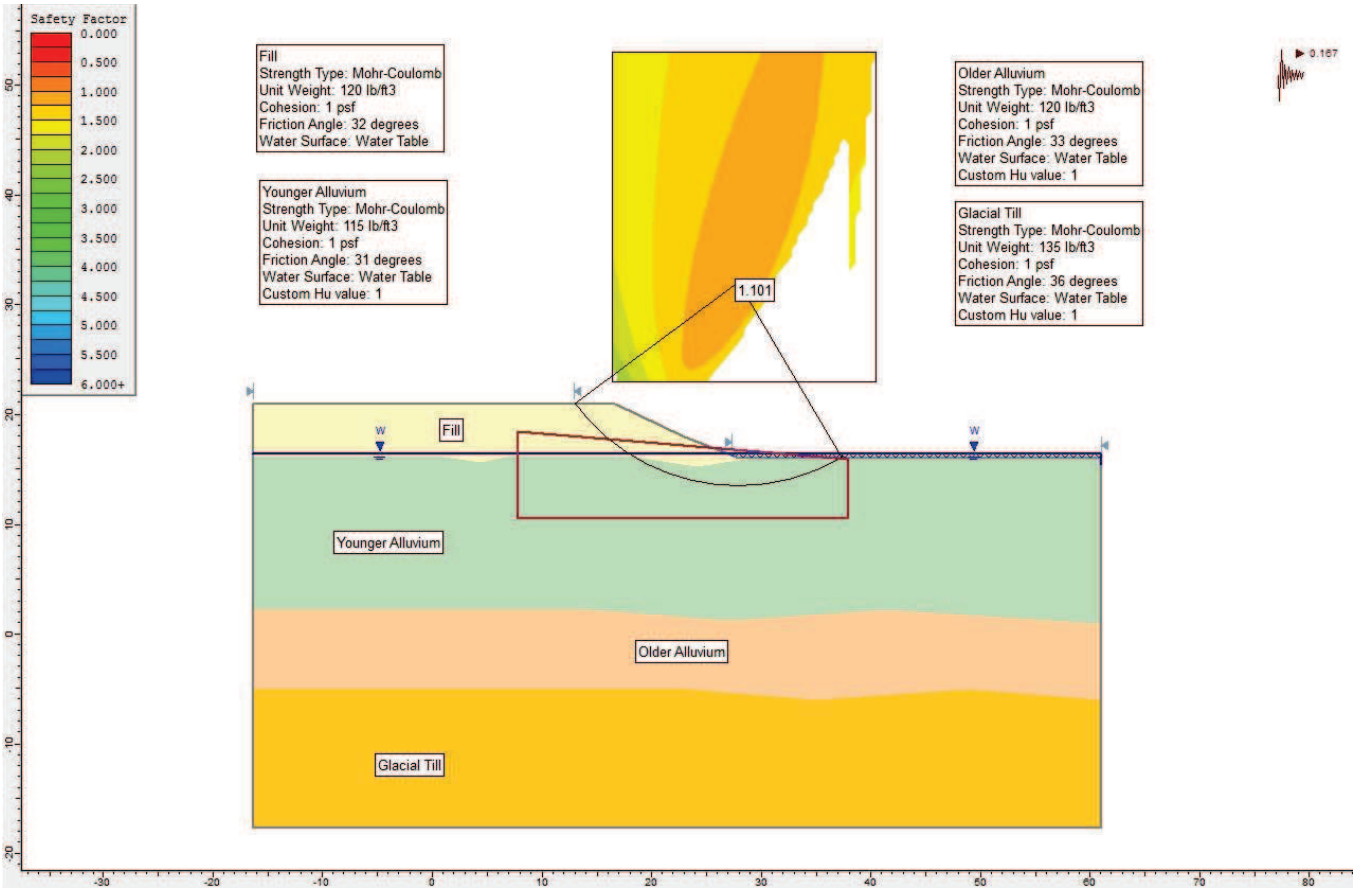
HWA GEOSCIENCES INC.

STATIC STABILITY: NORTH ABUTMENT

LOG BOOM PARK
PEDESTRIAN BRIDGE
KENMORE, WA

FIGURE NO.
C-1

PROJECT NO.
2014-008-21



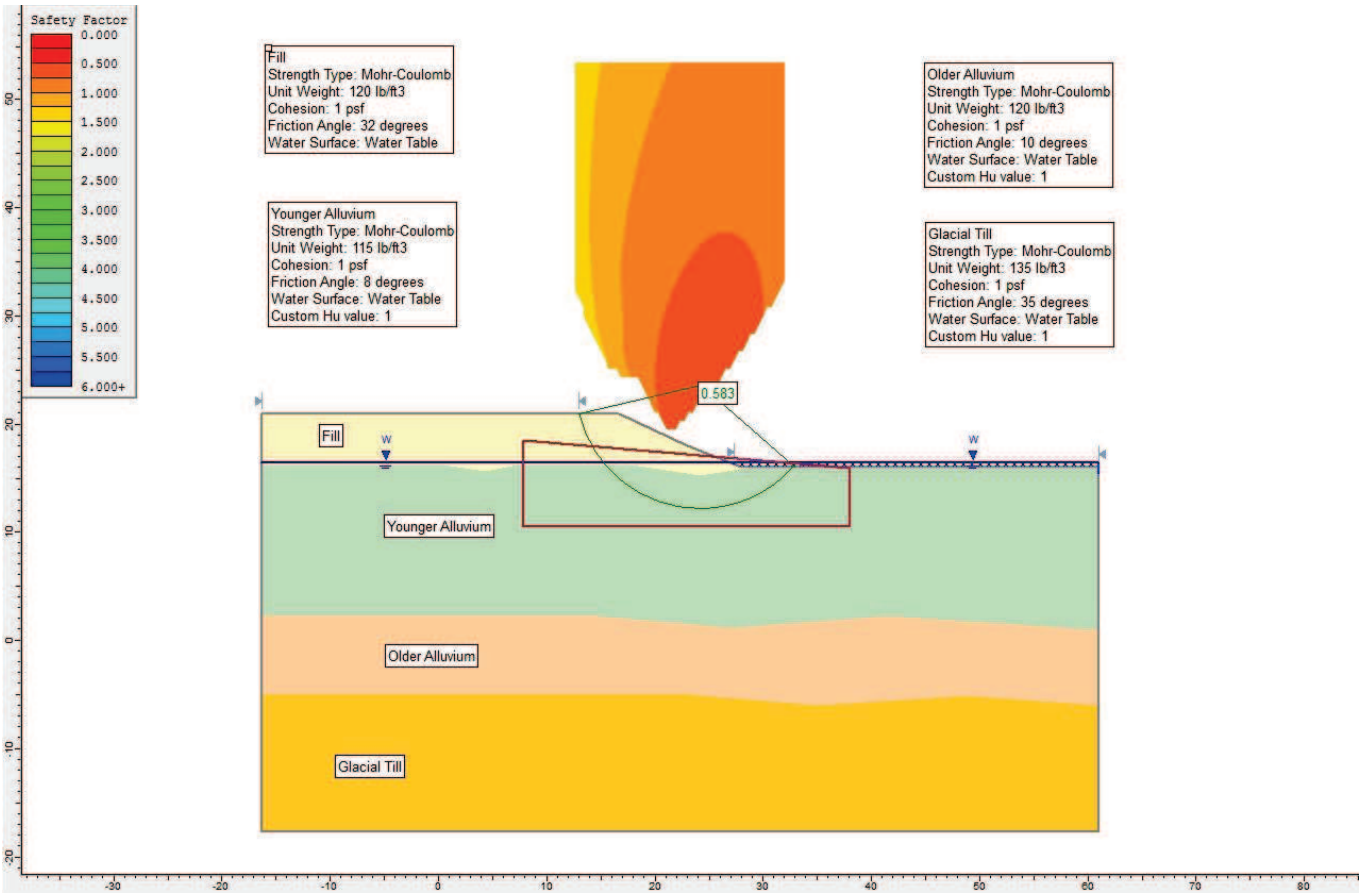
HWA GEOSCIENCES INC.

SEISMIC STABILITY: NORTH ABUTMENT (DESIGN EVENT)

LOG BOOM PARK
PEDESTRIAN BRIDGE
KENMORE, WA

FIGURE NO. C-2

PROJECT NO. 2014-008-21



HWA GEOSCIENCES INC.

POST LIQUEFACTION STABILITY: NORTH ABUTMENT (DESIGN EVENT)

LOG BOOM PARK
PEDESTRIAN BRIDGE
KENMORE, WA

FIGURE NO. C-3

PROJECT NO. 2014-008-21

APPENDIX C
HPA PERMIT

HYDRAULIC PROJECT APPROVAL

Washington Department of
Fish & Wildlife
PO Box 43234
Olympia, WA 98504-3234
(360) 902-2200

Issued Date: January 29, 2016
Project End Date: September 30, 2018

Permit Number: 2016-4-55+01
FPA/Public Notice Number: N/A
Application ID: 6439

PERMITTEE	AUTHORIZED AGENT OR CONTRACTOR
City of Kenmore ATTENTION: Zack Richardson 18120 68th Ave NE Kenmore, WA 98028-2701	

Project Name: Log Boom Park Pedestrian Bridge

Project Description: Install a permanent foot bridge to connect the City of Kenmore's Log Boom Park to an adjacent marina. The foot bridge will span Tributary 0056, located just upstream of the stream delta along the Lake Washington shoreline. The fully grated foot bridge will be a total width of nine feet, span 35-feet in length, and will have cast-in-place concrete footings. The foot bridge will impact recently installed restoration plantings that will be salvaged and relocated to a nearby area along Lake Washington that is currently dominated by Himalayan Blackberry and other invasive species. The plant relocation area will result in approximately 685 square feet of invasive species removal and installation of native lakeshore vegetation. All other disturbed areas along Tributary 0056 will be revegated with a native planting plan.

PROVISIONS

1. TIMING LIMITATION: You may begin the project on January 29, 2016 and you must complete the project by September 30, 2018; provided: work below the ordinary high water line (OHWL) shall occur only between July 1 and September 30 of a given year.

2. APPROVED PLANS: You must accomplish the work per plans and specifications submitted with the application and approved by the Washington Department of Fish and Wildlife, entitled CITY OF KENMORE LOG BOOM PARK PEDESTRIAN BRIDGE dated January 20, 2016; including all supporting documents and communications uploaded to the APPS project file; except as modified by this Hydraulic Project Approval. You must have a copy of these plans available on site during all phases of the project.

3. INVASIVE SPECIES CONTROL: Thoroughly clean all equipment and gear before arriving and leaving the job site to prevent the transport and introduction of aquatic invasive species. Properly dispose of any water and chemicals used to clean gear and equipment. You can find additional information in the Washington Department of Fish and Wildlife's Invasive Species Management Protocols (November 2012), available online at http://wdfw.wa.gov/publications/01490/wdfw01490.pdf.

NOTIFICATION REQUIREMENTS

4. NOTIFICATION: You, your agent, or contractor must contact the Washington Department of Fish and Wildlife (WDFW) habitat biologist, Christa Heller by e-mail at christa.heller@dfw.wa.gov, and the WDFW science division by e-mail at HPAapplications@dfw.wa.gov; mail to Post Office Box 43234, Olympia, Washington 98504-3234; or fax to (360) 902-2946 at least three business days before starting work and within seven days after completing work. The notification must include the permittee's name, project location, starting/ending date, and the Hydraulic Project Approval permit number.

5. PHOTOGRAPHS: You, your agent, or contractor must take photographs of the job site before the work begins and after the work is completed. You must upload the photographs to the post-permit requirement page in the Aquatic Protection Permitting System (APPS) or mail them to Washington Department of Fish and Wildlife at Post Office Box 43234, Olympia, Washington 98504-3234 within 30-days after the work is completed.

6. FISH KILL/ WATER QUALITY PROBLEM NOTIFICATION: If a fish kill occurs or fish are observed in distress at the job site, immediately stop all activities causing harm. Immediately notify the Washington Department of Fish and Wildlife of the problem. If the likely cause of the fish kill or fish distress is related to water quality, also notify the Washington Military Department Emergency Management Division at 1-800-258-5990. Activities related to the fish kill or fish distress must not resume until the Washington Department of Fish and Wildlife gives approval. The Washington Department of Fish and Wildlife may require additional measures to mitigate impacts.

STAGING, JOB SITE ACCESS, AND EQUIPMENT

7. Station and operate equipment used for this project landward of the ordinary high water line.

8. Limit the removal of native bankline vegetation to the minimum amount needed to construct the project.

9. Retain all natural habitat features on the bed or banks including large woody material and boulders. You may move these natural habitat features during the project but you must place them near the pre-project location before leaving the job site.

10. Check equipment daily for leaks and complete any required repairs in an upland location before using the equipment in or near the water.

11. Use environmentally acceptable lubricants composed of biodegradable base oils such as vegetable oils, synthetic esters, and polyalkylene glycols in equipment operated in or near the water.

CONSTRUCTION-RELATED SEDIMENT, EROSION AND POLLUTION CONTAINMENT

12. Protect all disturbed areas from erosion. Maintain erosion and sediment control until all work and cleanup of the job site is complete.

13. All erosion control materials that will remain onsite must be composed of 100% biodegradable materials.

14. Straw used for erosion and sediment control, must be certified free of noxious weeds and their seeds.

15. Route construction water (wastewater) from the project to an upland area above the limits of anticipated floodwater. Remove fine sediment and other contaminants before discharging the construction water to waters of the state.

16. Prevent project contaminants, such as petroleum products, hydraulic fluid, fresh concrete, sediments, sediment-laden water, chemicals, or any other toxic or harmful materials, from entering or leaching into waters of the state.

17. Deposit waste material from the project, such as construction debris, silt, excess dirt, or overburden, in an upland area above the limits of anticipated floodwater unless the material is approved by the Washington Department of Fish and Wildlife for reuse in the project.

HYDRAULIC PROJECT APPROVAL

Issued Date: January 29, 2016
Project End Date: September 30, 2018

Permit Number: 2016-4-55+01
FPA/Public Notice Number: N/A
Application ID: 6439

FOOT BRIDGE

18. Minimize damage to the banks when placing footings and bridge structure.

19. Excavation for the footings shall be completely separated from the stream by placing them landward of the top of the bank.

20. Excavation for and placement of the foundation and superstructure shall be above the ordinary high water line.

21. The bridge must include functional grating, with the material's open area being at least sixty percent.

MITIGATION AND ENHANCEMENT

22. To help mitigate for project impacts, an approved native planting plan is to be installed per sheet 11 of the approved plan. Planting must occur during the first dormant season (late fall through late winter) after project completion. Maintain plantings for at least three years to ensure at least eighty percent of the plantings survive. Failure to achieve the eighty percent survival in year three will require you to submit a plan with follow-up measures to achieve requirements or reasons to modify requirements.

DEMOBILIZATION AND CLEANUP

23. Upon completion of the project, restore the disturbed bed, banks, and riparian zone to preproject condition to the extent possible.

24. Upon completion of the project, remove all materials or equipment from the site and dispose of all excess spoils, including trash, derelict concrete and waste materials in an upland area above the limits of anticipated floodwater.

25. Remove temporary erosion and sediment control methods after job site is stabilized or within three months of project completion, whichever is sooner.

LOCATION #1:	Site Name: Log Boom Park Pedestrian Bridge , , WA					
WORK START:	January 29, 2016			WORK END:	September 30, 2018	
WRIA		Waterbody:			Tributary to:	
08 - Cedar - Sammamish		Unnamed			Lake Washington	
1/4 SEC:	Section:	Township:	Range:	Latitude:	Longitude:	County:
NW 1/4	11	26 N	04 E	47.75669	-122.26268	King
Location #1 Driving Directions						

Washington Department of
Fish & Wildlife
PO Box 43234
Olympia, WA 98504-3234
(360) 902-2200

HYDRAULIC PROJECT APPROVAL

Issued Date: January 29, 2016
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FPA/Public Notice Number: N/A
Application ID: 6439

From Interstate 5 northbound, take Exit 175 eastbound
Bear left onto 5th Ave NE
Turn right onto WA-523 / NE 145th St
Travel 1.5 mi
Turn left onto WA-522 / Bothell Way NE
Travel 2.4 mi
Bear right into Log Boom Park
Arrive at Log Boom Park, Kenmore, WA 98028; bridge location @ SE corner of park.

APPLY TO ALL HYDRAULIC PROJECT APPROVALS

This Hydraulic Project Approval pertains only to those requirements of the Washington State Hydraulic Code, specifically Chapter 77.55 RCW. Additional authorization from other public agencies may be necessary for this project. The person(s) to whom this Hydraulic Project Approval is issued is responsible for applying for and obtaining any additional authorization from other public agencies (local, state and/or federal) that may be necessary for this project.

This Hydraulic Project Approval shall be available on the job site at all times and all its provisions followed by the person (s) to whom this Hydraulic Project Approval is issued and operator(s) performing the work.

This Hydraulic Project Approval does not authorize trespass.

The person(s) to whom this Hydraulic Project Approval is issued and operator(s) performing the work may be held liable for any loss or damage to fish life or fish habitat that results from failure to comply with the provisions of this Hydraulic Project Approval.

Failure to comply with the provisions of this Hydraulic Project Approval could result in a civil penalty of up to one hundred dollars per day and/or a gross misdemeanor charge, possibly punishable by fine and/or imprisonment.

All Hydraulic Project Approvals issued under RCW 77.55.021 are subject to additional restrictions, conditions, or revocation if the Department of Fish and Wildlife determines that changed conditions require such action. The person(s) to whom this Hydraulic Project Approval is issued has the right to appeal those decisions. Procedures for filing appeals are listed below.

MINOR MODIFICATIONS TO THIS HPA: You may request approval of minor modifications to the required work timing or to the plans and specifications approved in this HPA. Any approved minor modification will require issuance of a letter documenting the approval. A minor modification to the required work timing means any change to the work start or end dates of the current work season to enable project or work phase completion. Minor modifications will be approved only if spawning or incubating fish are not present within the vicinity of the project. You may request subsequent minor modifications to the required work timing. A minor modification of the plans and specifications means any changes in the materials, characteristics or construction of your project that does not alter the project's impact to fish life or habitat and does not require a change in the provisions of the HPA to mitigate the impacts of the modification. Minor modifications do not require you to pay additional application fees or be issued a new HPA. If you originally applied for your HPA through the online Aquatic Protection Permitting System (APPS), you may request a minor modification through APPS. A link to APPS is at http://wdfw.wa.gov/licensing/hpa/. If you did not use APPS you must submit a written request that clearly indicates you are seeking a minor modification to an existing HPA. Written requests must include the name of the applicant, the name of the authorized agent if one is acting for the applicant, the APP ID number of the HPA, the date issued, the permitting biologist, the requested changes to the HPA, the reason for the requested change, the date of the request, and the requestor's signature. Send by mail to: Washington Department of Fish and Wildlife, PO Box 43234, Olympia, Washington 98504-3234, or by email to HPAapplications@dfw.wa.gov. Do not include payment with your request. You should allow up to 45 days for the department to process your request.

MAJOR MODIFICATIONS TO THIS HPA: You may request approval of major modifications to any aspect of your HPA. Any approved change other than a minor modification to your HPA will require issuance of a new HPA. If you paid an application fee for your original HPA you must pay an additional $150 for the major modification. If you did not pay an application fee for the original HPA, no fee is required for a change to it. If you originally applied for your HPA through the online Aquatic Protection Permitting System (APPS), you may request a major modification through APPS. A link to APPS is at http://wdfw.wa.gov/licensing/hpa/. If you did not use APPS you must submit a written request that clearly indicates you are requesting a major modification to an existing HPA. Written requests must include the name of the applicant, the name of the authorized agent if one is acting for the applicant, the APP ID number of the HPA, the date issued, the permitting biologist, the requested changes to the HPA, the reason for the requested change, the date of the request, payment if the original application was subject to an application fee, and the requestor's signature. Send your written request and payment, if applicable, by mail to: Washington Department of Fish and Wildlife, PO Box 43234, Olympia, Washington 98504-3234. You may email your request for a major modification to HPAapplications@dfw.wa.gov, but must send a check or money order for payment by surface mail. You should allow up to 45 days for the department to process your request.

APPEALS INFORMATION

If you wish to appeal the issuance, denial, conditioning, or modification of a Hydraulic Project Approval (HPA), Washington Department of Fish and Wildlife (WDFW) recommends that you first contact the department employee who issued or denied the HPA to discuss your concerns. Such a discussion may resolve your concerns without the need for further appeal action. If you proceed with an appeal, you may request an informal or formal appeal. WDFW encourages you to take advantage of the informal appeal process before initiating a formal appeal. The informal appeal process includes a review by department management of the HPA or denial and often resolves issues faster and with less legal complexity than the formal appeal process. If the informal appeal process does not resolve your concerns, you may advance your appeal to the formal process. You may contact the HPA Appeals Coordinator at (360) 902-2534 for more information.

Issued Date: January 29, 2016
Project End Date: September 30, 2018

Permit Number: 2016-4-55+01
FPA/Public Notice Number: N/A
Application ID: 6439

A. INFORMAL APPEALS: WAC 220-660-460 is the rule describing how to request an informal appeal of WDFW actions taken under Chapter 77.55 RCW. Please refer to that rule for complete informal appeal procedures. The following information summarizes that rule.

A person who is aggrieved by the issuance, denial, conditioning, or modification of an HPA may request an informal appeal of that action. You must send your request to WDFW by mail to the HPA Appeals Coordinator, Department of Fish and Wildlife, Habitat Program, 600 Capitol Way North, Olympia, Washington 98501-1091; e-mail to HPAapplications@dfw.wa.gov; fax to (360) 902-2946; or hand-delivery to the Natural Resources Building, 1111 Washington St SE, Habitat Program, Fifth floor. WDFW must receive your request within 30 days from the date you receive notice of the decision. If you agree, and you applied for the HPA, resolution of the appeal may be facilitated through an informal conference with the WDFW employee responsible for the decision and a supervisor. If a resolution is not reached through the informal conference, or you are not the person who applied for the HPA, the HPA Appeals Coordinator or designee will conduct an informal hearing and recommend a decision to the Director or designee. If you are not satisfied with the results of the informal appeal, you may file a request for a formal appeal.

B. FORMAL APPEALS: WAC 220-660-470 is the rule describing how to request a formal appeal of WDFW actions taken under Chapter 77.55 RCW. Please refer to that rule for complete formal appeal procedures. The following information summarizes that rule.

A person who is aggrieved by the issuance, denial, conditioning, or modification of an HPA may request a formal appeal of that action. You must send your request for a formal appeal to the clerk of the Pollution Control Hearings Boards and serve a copy on WDFW within 30 days from the date you receive notice of the decision. You may serve WDFW by mail to the HPA Appeals Coordinator, Department of Fish and Wildlife, Habitat Program, 600 Capitol Way North, Olympia, Washington 98501-1091; e-mail to HPAapplications@dfw.wa.gov; fax to (360) 902-2946; or hand-delivery to the Natural Resources Building, 1111 Washington St SE, Habitat Program, Fifth floor. The time period for requesting a formal appeal is suspended during consideration of a timely informal appeal. If there has been an informal appeal, you may request a formal appeal within 30 days from the date you receive the Director's or designee's written decision in response to the informal appeal.

C. FAILURE TO APPEAL WITHIN THE REQUIRED TIME PERIODS: If there is no timely request for an appeal, the WDFW action shall be final and unappealable.

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