CONTRACT SPECIFICATIONS

For The Installation Of:

ELEPHANT MOUNTAIN COMMUNICATIONS BUILDING

Yakima County Project No. E 53296
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CERTIFICATE

I HEREBY CERTIFY THAT THE ATTACHED DOCUMENTS, PLANS AND SPECIFICATIONS CONFORM TO ORIGINALS WHICH ARE ON FILE IN THE OFFICE OF THE COUNTY ENGINEER OF YAKIMA COUNTY, WASHINGTON

GARY N. EKSTEDT, P.E.
COUNTY ENGINEER
Informational Bid Documents
INSTRUCTIONS TO BIDDERS

DELIVERY OF PROPOSALS

Sealed bids will be received at the following location before the specified time:

Yakima County Road Engineer's Office, Fourth Floor, Yakima County Court, 128 North 2nd Street, Yakima, Washington 98901, until 2:00 p.m. of the bid opening date.

Each proposal, or bid shall be completely sealed in a separate package, addressed to the Board of County Commissioners of Yakima County with the name of the improvements for which the bid is submitted plainly written on the outside of the package.

No oral, telephonic, facsimile, or telegraphic Bids or modifications shall be accepted.

DATE OF OPENING BIDS

The bid opening date for this project shall be June 24, 2009. The bids shall be publicly opened and read after 2:00 p.m. on that date at the following location:

Yakima County Road Engineer's Office, Fourth Floor, Yakima County Court, 128 North 2nd Street, Yakima, Washington 98901.

RIGHT TO REJECT BIDS:

The right is reserved to reject any and all proposals, to accept the proposal or proposals deemed best for the County or to advertise for new proposals when in the opinion of the Board the best interest of the County shall be promoted thereby.

PROPOSAL GUARANTY:

A certified check, cashiers check, cash or bid bond made payable to the Treasurer of the County of Yakima for an amount equal to at least five percent (5%) of the total amount bid must accompany each bid as evidence of good faith and as a guarantee that if awarded the Contract the bidder shall execute the Contract and give Bond as required.

FORM FURNISHED:

All Bids shall be submitted on authorized forms supplied by the County. Any Bid submitted on forms marked "informational" or otherwise watermarked shall be considered irregular and will be rejected. Bidders wishing to submit Bids should contact the Yakima County Road Engineer's office at the address above to request authorized bid documents.

YAKIMA COUNTY IS AN EQUAL OPPORTUNITY EMPLOYER
PROPOSAL

This certifies that the undersigned has examined the location of the noted project

E 53296 – Elephant Mountain Communications Building
Southbound on Konnowac Pass Rd., turn left onto Moxee Dump Rd. cross the bridge, turn right following canal bank road, turn left through the orchard through the gate using the road to the right up the hill to the site. Use of the switchback road to the left is prohibited. Four wheel drive vehicle required.

And that the Plans, Specifications and Contract governing the work embraced in these improvements, and the method by which payment will be made for said work, is understood. The undersigned hereby proposes to undertake and complete the work embraced in these improvements, or as much as can be completed with the money available, in accordance with the said Plans, Specifications, and Contract, and the following schedule of rates and prices:

NOTE: Unit Prices for all items, all extensions, and total amount of bid shall be shown. Sales Tax shall not be included in Unit Prices. No oral, telephonic, facsimile, or telegraphic Bids or modifications shall be considered or accepted.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Approx. Quantity</th>
<th>Unit</th>
<th>Unit Price</th>
<th>Total Item Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MOBILIZATION</td>
<td>L.S. $</td>
<td></td>
<td></td>
<td>$</td>
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<tr>
<td>2</td>
<td>BUILDING FOUNDATION</td>
<td>L.S. $</td>
<td></td>
<td></td>
<td>$</td>
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<tr>
<td>3</td>
<td>CRUSHED SURFACING TOP COURSE</td>
<td>131 TON $</td>
<td></td>
<td></td>
<td>$</td>
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<tr>
<td>4</td>
<td>CEMENT CONCRETE SIDEWALK</td>
<td>7 S.Y. $</td>
<td></td>
<td></td>
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<td>5</td>
<td>INSTALLATION OF COMMUNICATIONS</td>
<td>1 L.S. $</td>
<td></td>
<td></td>
<td>$</td>
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<tr>
<td></td>
<td>BUILDING, COMPLETE</td>
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<td>6</td>
<td>MISCELLANEOUS ELECTRICAL</td>
<td>1 L.S. $</td>
<td></td>
<td></td>
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<td>7</td>
<td>MINOR CHANGES</td>
<td>FA EST. $</td>
<td>5,000.00</td>
<td>$ 5,000.00</td>
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**BID AMOUNT E 53296**

**WASHINGTON STATE SALES TAX 7.9%**

**TOTAL BID AMOUNT E 53296**

I attended the Pre-Bid meeting on the project site on June 17, 2009.  

Yes  __ No

______________________________  ______________________________
Contractor                  Contractor Signature
PROPOSAL – Continued

The bidder is hereby advised that by signature of this proposal he/she is deemed to have acknowledged all requirements and signed all certificates contained herein.

A proposal guaranty in an amount of five percent (5%) of the total bid, based upon the approximate estimate of quantities at the above prices and in the form as indicated below, is attached hereto:

CASH [ ] IN THE AMOUNT OF ____________________________

CASHIER’S CHECK [ ] ________________________________DOLLARS

CERTIFIED CHECK [ ] ($__________) PAYABLE TO THE COUNTY TREASURER

PROPOSAL BOND [ ] IN THE AMOUNT OF 5 PERCENT (5%) OF THE BID

Bidder acknowledges receipt of the following Addendums:

No. Date

The undersigned has telephoned the Office of the Yakima County Engineer for verification of the number of Addendums issued.

SIGNATURE OF AUTHORIZED OFFICIAL(S)

Title: ____________________________________________

Firm Name: ______________________________________

Address: _________________________________________

Phone No.: _______________________________________

Washington Registration No.: _______________________

Federal ID Tax No.: _______________________________

U.B.I. No.: _______________________________________

E-Mail: __________________________________________

Signed and sworn (or affirmed) before me on ________________________________ Date

______________________________

NOTARY PUBLIC
My appointment expires ____________________________

(Seal and Stamp)

NOTE: (1) This proposal is not transferable and any alteration of the firm’s name entered hereon without prior permission from the County Engineer shall be cause for considering the proposal irregular and subsequent rejection of the bid.

(2) Please refer to Section 1-02.6 of the Standard Specifications, re: “Preparation of Proposal” or “Article 4” of the Instruction to Bidders for building construction jobs.

(3) Should it be necessary to modify this proposal either in writing or by electronic means, please make reference to the following proposal number in your communications E 53296.
LETTER OF RESPONSIBILITY

Date: ________________

County Road Project No.: E 53296

TO:
BOARD OF COUNTY COMMISSIONERS OF YAKIMA COUNTY, WASHINGTON
(Party awarding principal contract)

Dear Sirs:

I hereby maintain that I am a responsible bidder as contemplated by the policies of the State of Washington (Chapter 157, Laws of Washington of 1937).

a. My permanent place of business is ____________________________, which I have maintained for _________ years.

b. I have adequate plant equipment to do expeditiously and properly the work contemplated for Yakima County, Washington.

DESCRIPTION OF WORK:
E 53296 – Elephant Mountain Communications Building

I have the following equipment available for this work:

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

c. I have adequate funds to promptly meet obligations incident to this work.
   Bank reference: ___________________________________________________________

   _______________________________________________________________________

d. I have had experience in this class of work, having constructed the following improvements.

I hereby certify that the above is a true and accurate statement.

       Very truly yours,

________________________________________

Contractor

______________________________________________________________________

NOTE: This sheet need not be submitted, unless so requested by the Engineer subsequent to opening of bid. This “letter of responsibility” shall not be construed to be a request for pre-qualification of bidder.
DEFINITION OF TERMS

In interpreting these specifications, the following definitions shall prevail:


SECRETARY OF TRANSPORTATION: Secretary of Transportation of the State of Washington.

BOARD: The Board of County Commissioners of Yakima County.

ENGINEER: County, or construction engineer, or his duly authorized assistants by whom all explanations and directions necessary for the satisfactory prosecution and completion of the work described in these specifications will be given.

CONTRACTOR: The person, firm, co-partnership, or corporation, or any lawful agent of such person, firm, partnership or corporation constituting one of the principals to the contract and undertaking to perform the work herein specified.

CONTRACT: The Agreement between the Contractor and the County of Yakima acting through the Board of County Commissioners. The contract shall include the accepted "Proposal", "Plans", "Specifications" and "Contract Bond", also any and all supplemental agreements which reasonably could be required to complete the construction of the work in a substantial and acceptable manner.

PROPOSAL: The written offer, or copy thereof of the bidder to perform the work proposed.

PLANS: The officially approved drawings, or reproductions thereof attached to this contract.

SPECIFICATIONS: The directions, provisions and requirements contained herein, together with all written agreements made, or to be made pertaining to the method and manner of performing the work, or to the quantities and qualities of materials to be furnished under the contract.

CONTRACT BOND: The approved form of security furnished by the Contractor and his surety as a guarantee of good faith on the part of the Contractor to execute the work in accordance with the terms of the contract.

LABORATORY: The laboratories of the Department of Transportation, or other laboratories designated by the engineer.

AMOUNT OF THE CONTRACT: For the purpose of awarding the contract and determining the amount of the bond, the lump sum bid, or the summation of the products of the approximate quantities shown on the plans or otherwise stated by the unit prices will be considered the total amount of the bid and the full amount of the contract price.
NON-COLLUSION DECLARATION

I, by signing the proposal, hereby declare, under penalty of perjury under the laws of the United States that the following statements are true and correct:

1. That the undersigned person(s), firm, association or corporation has (have) not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the project for which this proposal is submitted.

2. That by signing the signature page of this proposal, I am deemed to have signed and have agreed to the provisions of this declaration.

NOTICE TO ALL BIDDERS

To report bid rigging activities, call:

1-800-424-9071

The U. S. Department of Transportation (USDOT) operates the above toll-free “hotline” Monday through Friday, 8:00 a.m. to 5:00 p.m., eastern time. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the “hotline” to report such activities.

The “hotline” is part of USDOT’s continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the USDOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.
SUBCONTRACTOR LIST

E 53296 ELEPHANT MOUNTAIN COMMUNICATIONS BUILDING

Failure to list subcontractors who are proposed to perform the work of heating, ventilation and air conditioning, plumbing, as described in Chapter 18.106 RCW, and electrical as described in Chapter 19.28 RCW will result in your bid being non-responsive and therefore void.

Subcontractor(s) that are proposed to perform the work of heating, ventilation, and air conditioning, plumbing, as described in Chapter 18.106 RCW, and electrical as described in Chapter 19.28 RCW must be listed below. The work to be performed is to be listed below the subcontractor(s) name.

If no subcontractor is listed below, the bidder acknowledges that is does not intend to use any subcontractor to perform those items of work.

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<th>Subcontractor Name:</th>
<th>Item Numbers:</th>
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Certification Regarding
Debarment, Suspension, Ineligibility and Voluntary Exclusion
Lower Tier Covered Transactions

This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 29 CFR Part 98, Section 98.510, Participant’s responsibilities. The regulations were published as Part VII of the May 26, 1998 Federal Register (pages 19160-19211).

(BEFORE COMPLETING CERTIFICATION, READ ATTACHED INSTRUCTIONS WHICH ARE AN INTEGRAL PART OF THE CERTIFICATION)

(1) The prospective recipient of federal assistance funds certifies, by submission of this proposal, that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.

(2) Where the prospective recipient of federal assistance funds is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

Name and Title of Authorized Representative

______________________________

Signature  Date
CONTRACT

THIS AGREEMENT, made and entered into between Yakima County acting under and by virtue of Titles 36 and 39 RCW, hereinafter called the “COUNTY” and hereinafter called the “CONTRACTOR”.

That in consideration of the terms and conditions contained herein and attached and made a part of this agreement, the parties hereto covenant and agree as follows:

I. The CONTRACTOR shall do all work and furnish all tools, materials and equipment for E 53296 – Elephant Mountain Communications Building and shall perform any changes in the work in accordance with the Contract Documents. “Contract Documents” are this Contract, the attached Plans and Specifications and the current edition of the Standard Specifications of the Washington State Department of Transportation and American Public Works Association which are by this reference incorporated herein and made a part hereof. In using said Standard Specifications and Amendments thereto, “Secretary of Transportation”, “Engineer” and like terms used therein will be construed to mean Yakima County Engineer and “State” or “Thurston County” shall mean Yakima County.

II. The CONTRACTOR shall provide and bear the expense of all equipment, material and labor of any sort whatsoever that may be required for the transfer of materials and for constructing and completing the work provided for in the Contract Documents except those items mentioned herein to be furnished by Yakima County.

III. The COUNTY hereby promises and agrees to pay the CONTRACTOR according to the attached Specifications and the schedule of unit or itemized prices at the time and in the manner and upon the conditions provided for in the Contract Documents.

IV. The CONTRACTOR for itself, and for its heirs, executors, administrators, successors and assigns does hereby agree to the full performance of all the covenants herein contained upon the part of the CONTRACTOR.

V. It is further provided that no liability shall attach to the COUNTY by reason of entering into this Contract, except as expressly provided herein.

IN WITNESS WHEREOF, the CONTRACTOR has executed this instrument, on the date indicated below and Yakima County has caused this instrument to be executed in the name of said COUNTY by and through the Board of Yakima County Commissioners on the date indicated below.

Executed by the CONTRACTOR: ______ 20_____.

BOARD OF YAKIMA COUNTY COMMISSIONERS

CONTRACTOR:

Signature for

__________________________

Print or Type Name of Person Signing

__________________________

Title

__________________________

Foregoing Contract approved and ratified

__________________________ 20_____.

__________________________

Surety

__________________________

Attorney-in-fact

__________________________

Chair

__________________________

Commissioner

__________________________

Commissioner

__________________________

ATTEST: Clerk of the Board

__________________________

Christina Steiner

Approved as to form:

__________________________

Deputy Prosecuting Attorney
PERFORMANCE BOND
(RCW 39.08)

KNOW ALL MEN BY THESE PRESENTS, That______________________________, as “PRINCIPAL”, and ________________________________ a corporation authorized to do business in the State of Washington, as “SURETY”, are jointly and severally held and bound unto Yakima County, Washington in the penal sum_________________________ Dollars ($_________________________) for the payment of which by these presents we jointly and severally bind ourselves, our heirs, executors, administrators, assigns, and successors.

THE CONDITION of this bond is such that WHEREAS, on ______________________, 20___, the PRINCIPAL executed a certain Contract with the County, by the terms of which PRINCIPAL agrees to furnish all material and labor and will undertake and complete the construction of E 53296 – Elephant Mountain Communications Building according to the maps, plans and specifications made a part of said Contract, which Contract is attached hereto and by this reference is incorporated herein and made a part hereof. FURTHER, the SURETY agrees to be bound by the laws of the State of Washington and subjected to the jurisdiction of the State of Washington.

NOW, THEREFORE, if the PRINCIPAL shall faithfully perform all the provisions of such contract and pay all laborers, mechanics, subcontractors and materialmen, and all persons who supply such persons in subcontractors with provisions or supplies for the carrying on of such work, then this obligation to be void, otherwise to remain in full force and effect.

Dated this ______ day of ________________________, 20___

PRINCIPAL

By: ________________________________

Title: ________________________________

SURETY

By: ________________________________

Attorney-in-Fact

Date: ________________________________, 20___

Approved as to form:

Chair of the Board of Yakima County Commissioners

Deputy Prosecuting Attorney

Name of Local Office of Agent

Address of Local Office Agent

BOND NUMBER

YAKIMA COUNTY CONTRACT NUMBER
Amendments to Standard Specifications
AMENDMENTS TO THE STANDARD SPECIFICATIONS

INTRODUCTION

The following Amendments and Special Provisions shall be used in conjunction with the 2008 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 1-03, AWARD AND EXECUTION OF CONTRACT
April 7, 2008

1-03.1 Consideration of Bids
This section is supplemented with the following new sub-section.

1-03.1(1) Tied Bids
After opening Bids, if two or more lowest responsive Bid totals are exactly equal, then the tie-breaker will be determined by drawing as described in this Section. Two or more slips of paper will be marked as follows: one marked “Winner” and the other(s) marked “unsuccessful”. The slips will be folded to make the marking unseen. The slips will be placed inside a box. One authorized representative of each Bidder shall draw a slip from the box. Bidders shall draw in alphabetic order by the name of the firm as registered with the Washington State Department of Licensing. The slips shall be unfolded and the firm with the slip marked “Winner” will be determined to be the successful Bidder and eligible for Award of the Contract. Only those Bidders that submitted a Bid total that is exactly equal to the lowest responsive Bid are eligible to draw.

SECTION 1-04, SCOPE OF THE WORK
April 7, 2008

1-04.4(1) Minor Changes
The first sentence in the first paragraph is revised to read:

Payments or credits for changes amounting to $15,000 or less may be made under the bid item "Minor Change."

1-04.5 Procedure and Protest by the Contractor
In the second paragraph, number 2, the reference to 7 calendar days is revised to 14 calendar days.
The second sentence in the fifth paragraph is revised to read:

The determination will be provided within 14-calendar days after receipt of the Contractor’s supplemental written statement (including any additional information requested by the Project Engineer to support a continuing protest) described in item 2 above.

SECTION 1-05, CONTROL OF WORK
April 7, 2008

1-05.1 Authority of the Engineer
The fourth paragraph is revised to read:

At the Contractor’s risk, the Project Engineer may suspend all or part of the Work according to Section 1-08.6.

1-05.12 Final Acceptance
The second paragraph is revised to read:

The Contractor agrees that neither completion nor final acceptance shall relieve the Contractor of the responsibility to indemnify, defend, and protect the Contracting Agency against any claim or loss resulting from the failure of the Contractor (or the subcontractors or lower tier subcontractors) to pay all laborers, mechanics, subcontractors, materialpersons, or any other person who provides labor, supplies, or provisions for carrying out the Work or for any payments required for unemployment compensation under Title 50 RCW or for industrial insurance and medical aid required under Title 51 RCW.

SECTION 1-07, LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC
April 6, 2009

1-07.2(2) State Sales Tax: Work on State-Owned or Private Land
The following new paragraph is inserted in front of the first paragraph:

State Department of Revenue Rule 170 and its related rules apply for this section.

1-07.8 High Visibility Apparel
This section is revised to read:

The Contractor shall require all personnel under their control (including service providers, Subcontractors and lower tier Subcontractors) that are on foot in the work zone and are exposed to vehicle traffic or construction equipment to wear the high visibility apparel described in this Section.

The Contractor shall ensure that a competent person as identified in the MUTCD selects the appropriate high-visibility apparel suitable for the job-site conditions.

High visibility garments shall always be the outermost garments.
High visibility garments shall be in a condition compliant with the ANSI 107-2004 and shall be used in accordance with manufacturer recommendations.

This section is supplemented with the following new sub-sections.

**1-07.8(1) Traffic Control Personnel**

All personnel performing the Work described in Section 1-10 (including traffic control supervisors, flaggers, spotters, and others performing traffic control labor of any kind), shall comply with the following:

1. During daylight hours with clear visibility, workers shall wear a high-visibility ANSI/ISEA 107-2004 Class 2 or 3 vest or jacket, and hardhat meeting the high visibility headwear requirements of WAC 296-155-305; and

2. During hours of darkness (1/2-hour before sunset to 1/2-hour after sunrise) or other low visibility conditions (snow, fog, etc.), workers shall wear a high-visibility ANSI/ISEA 107-2004 Class 2 or 3 vest or jacket, high visibility lower garment meeting ANSI/ISEA 107-2004 Class E, and hardhats meeting the high visibility headwear requirements of WAC 296-155-305.

**1-07.8(2) Non-Traffic Control Personnel**

All personnel, except those performing the Work described in Section 1-10, shall wear high visibility apparel meeting the ANSI/ISEA 107-2004 Class 2 or 3 standard.

**1-07.9(1) General**

The following new paragraph is inserted to follow the sixth paragraph:

The Contractor shall ensure that any firm (Supplier, Manufacturer, or Fabricator) that falls under the provisions of RCW 39.12 because of the definition “Contractor” in WAC 296-127-010, complies with all the requirements of RCW 39.12.

**1-07.15 Temporary Water Pollution/Erosion Control**

This section is supplemented with the following:

Stormwater or dewatering water that has come in contact with concrete rubble, concrete pours, or cement treated soils shall be maintained to pH 8.5 or less before it is allowed to enter waters of the state. If pH exceeds 8.5, the Contractor shall immediately discontinue work and initiate treatment according to the plan to lower the pH. Work may resume, with treatment, once the pH of the stormwater is 8.5 or less or it can be demonstrated that the runoff will not reach surface waters.

High pH process water shall not be discharged to waters of the state. Unless specific measures are identified in the Special Provisions, high pH process water may be infiltrated, dispersed in vegetation or compost, or pumped to a sanitary sewer system. Water being infiltrated or dispersed shall have no chance of discharging directly to waters of the state, including wetlands or conveyances that indirectly lead to waters of the state. High pH process water shall be treated to within a range of 6.5 to 8.5 pH units prior to infiltration to ensure the discharge does not cause a violation of groundwater quality standards. If water is
pumped to the sanitary sewer, the Contractor shall provide a copy of permits and
requirements for placing the material into a sanitary sewer system prior to beginning the
work. Process water may be collected and disposed of by the Contractor off the project site.
The Contractor shall provide a copy of the permit for an approved waste site for the disposal
of the process water prior to the start of work which generates the process water.

1-07.15(1) Spill Prevention, Control and Countermeasures Plan
This section is revised to read:

The Contractor shall prepare a project-specific spill prevention, control, and countermeasures
plan (SPCC Plan) that will be used for the duration of the project. The Contractor shall
submit the plan to the Project Engineer no later than the date of the preconstruction
conference. No on-site construction activities may commence until WSDOT accepts an
SPCC Plan for the project.

The term “hazardous materials”, as used in this Specification, is defined in Chapter 447 of the
WSDOT Environmental Procedures Manual (M31-11). Occupational safety and health
requirements that may pertain to SPCC Plan implementation are contained in but not limited
to WAC 296-824 and WAC 296-843.

Implementation Requirements
The SPCC Plan shall be updated by the Contractor throughout project construction so that the
written plan reflects actual site conditions and practices. The Contractor shall update the
SPCC Plan at least annually and maintain a copy of the updated SPCC Plan on the project
site. All project employees shall be trained in spill prevention and containment, and shall
know where the SPCC Plan and spill response kits are located and have immediate access to
them.

If hazardous materials are encountered or spilled during construction, the Contractor shall do
everything possible to control and contain the material until appropriate measures can be
taken. The Contractor shall supply and maintain spill response kits of appropriate size within
close proximity to hazardous materials and equipment.

The Contractor shall implement the spill prevention measures identified in the SPCC Plan
before performing any of the following:

1. Placing materials or equipment in staging or storage areas.
2. Refueling, washing, or maintaining equipment.

SPCC Plan Element Requirements
The SPCC Plan shall set forth the following information in the following order:

1. Responsible Personnel
   Identify the name(s), title(s), and contact information for the personnel responsible
   for implementing and updating the plan, including all spill responders.

2. Spill Reporting
List the names and telephone numbers of the federal, State, and local agencies the Contractor shall notify in the event of a spill.

3. Project and Site Information
   Describe the following items:
   
   A. The project Work.
   
   B. The site location and boundaries.
   
   C. The drainage pathways from the site.
   
   D. Nearby waterways and sensitive areas and their distances from the site.

4. Potential Spill Sources
   Describe each of the following for all potentially hazardous materials brought or generated on-site (including materials used for equipment operation, refueling, maintenance, or cleaning):
   
   A. Name of material and its intended use.
   
   B. Estimated maximum amount on-site at any one time.
   
   C. Location(s) (including any equipment used below the ordinary high water line) where the material will be staged, used, and stored and the distance(s) from nearby waterways and sensitive areas.
   
   D. Decontamination location and procedure for equipment that comes into contact with the material.
   
   E. Disposal procedures.

5. Pre-Existing Contamination
   Describe any pre-existing contamination and contaminant sources (such as buried pipes or tanks) in the project area that are described in the Contract documents. Identify equipment and work practices that will be used to prevent the release of contamination.

6. Spill Prevention and Response Training
   Describe how and when all personnel (including refueling contractors and Subcontractors) will be trained in spill prevention, containment and response in accordance with the Plan. Describe how and when all spill responders will be trained in accordance with WAC 296-824.

7. Spill Prevention
   Describe the following items:
   
   A. Spill response kit contents and location(s).
B. Security measures for potential spill sources.

C. Secondary containment practices and structures for hazardous materials.

D. Methods used to prevent stormwater from contacting hazardous materials.

E. Site inspection procedures and frequency.

F. Equipment and structure maintenance practices.

G. Daily inspection and cleanup procedures that ensure all equipment used below the ordinary high water line is free of all external petroleum based products.

H. Refueling procedures for equipment that cannot be moved from below the ordinary high water line.

8. Spill Response

Outline the response procedures the Contractor will follow for each scenario listed below. Include a description of the actions the Contractor shall take and the specific, on-site, spill response equipment that shall be used to assess the spill, secure the area, contain and eliminate the spill source, and clean up and dispose of spilled and contaminated material.

A. A spill of each type of hazardous material at each location identified in 4, above.

B. Stormwater that has come into contact with hazardous materials.

C. A release or spill of any pre-existing contamination and contaminant source described in 5, above.

D. A release or spill of any unknown pre-existing contamination and contaminant sources (such as buried pipes or tanks) encountered during project Work.

E. A spill occurring during Work with equipment used below the ordinary high water line.

If the Contractor will use a Subcontractor for spill response, provide contact information for the Subcontractor under item 1 (above), identify when the Subcontractor will be used, and describe actions the Contractor shall take while waiting for the Subcontractor to respond.

9. Project Site Map

Provide a map showing the following items:

A. Site location and boundaries.
B. Site access roads.

C. Drainage pathways from the site.

D. Nearby waterways and sensitive areas.

E. Hazardous materials, equipment, and decontamination areas identified in 4, above.

F. Pre-existing contamination or contaminant sources described in 5, above.

G. Spill prevention and response equipment described in 7 and 8, above.

10. Spill Report Forms

Provide a copy of the spill report form(s) that the Contractor will use in the event of a release or spill.

Payment

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

“SPCC Plan”, lump sum.

When the written SPCC is accepted by WSDOT, the Contractor shall receive 50-percent of the lump sum Contract price for the plan.

The remaining 50-percent of the lump sum price will be paid after the materials and equipment called for in the plan are mobilized to the project.

The lump sum payment for “SPCC Plan” shall be full pay for:

1. All costs associated with creating the accepted SPCC Plan.

2. All costs associated with providing and maintaining the on-site spill prevention equipment described in the accepted SPCC Plan.

3. All costs associated with providing and maintaining the on-site standby spill response equipment and materials described in the accepted SPCC Plan.

4. All costs associated with implementing the spill prevention measures identified in the accepted SPCC Plan.

5. All costs associated with updating the SPCC Plan as required by this Specification.

As to other costs associated with releases or spills, the Contractor may request payment as provided for in the Contract. No payment shall be made if the release or spill was caused by or resulted from the Contractor’s operations, negligence, or omissions.
1-07.16(4) Archaeological and Historical Objects
This section is supplemented with the following new sub-section:

1-07.16(4)A Inadvertent Discovery of Human Skeletal Remains
If human skeletal remains are encountered by the Contractor, they shall not be further disturbed. The Contractor shall immediately notify the Engineer of any such finds, and shall cease all work adjacent to the discovery, in an area adequate to provide for the total security and protection of the integrity of the skeletal remains. The Engineer may require the Contractor to suspend Work in the vicinity of the discovery until final determinations and removal of the skeletal remains is completed.

If the Engineer finds that the suspension of Work in the vicinity of the discovery increases or decreases the cost or time required for performance of any part of the Work under this Contract, the Engineer will make an adjustment in payment or the time required for the performance of the Work in accordance with Sections 1-04.4 and 1-08.8.

1-07.17(2) Utility Construction, Removal or Relocation by Others
The first sentence in the second paragraph is revised to read:

If the Contract provides notice that utility work (including furnishing, adjusting, relocating, replacing, or constructing utilities) will be performed by others during the prosecution of the Work, the Special Provisions will establish the utility owners anticipated completion.

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

When others delay the Work through late performance of utility work, the Contractor shall adhere to the requirements of Section 1-04.5.

1-07.23 Public Convenience and Safety
This section is revised to read:

The Contractor shall be responsible for providing adequate safeguards, safety devices, protective equipment, and any other needed actions to protect the life, health, and safety of the public, and to protect property in connection with the performance of the Work covered by the Contract. The Contractor shall perform any measures or actions the Engineer may deem necessary to protect the public and property. The responsibility and expense to provide this protection shall be the Contractor’s except that which is to be furnished by the Contracting Agency as specified in other sections of these Specifications. Nothing contained in this Contract is intended to create any third-party beneficiary rights in favor of the public or any individual utilizing the Highway facilities being constructed or improved under this Contract.

1-07.23(1) Construction Under Traffic
The second sentence in the second paragraph is revised to read:

The Contractor shall maintain existing roads, streets, sidewalks, and paths within the project limits, keeping them open, and in good, clean, safe condition at all times.

The fifth sentence in the second paragraph is revised to read:
The Contractor shall also maintain roads, streets, sidewalks, and paths adjacent to the project limits when affected by the Contractor’s operations.

The final paragraph in this section is deleted.

1-07.23(2) Construction and Maintenance of Detours
Number 1. under the first paragraph is revised to read:

Detours and detour bridges that will accommodate traffic diverted from the Roadway, bridge, sidewalk or path during construction,

SECTION 1-08, PROSECUTION AND PROGRESS
August 4, 2008

1-08.1 Subcontracting
Item (2) in the first sentence of the seventh paragraph is revised to read:

(2) Delivery of these materials to the Work site in vehicles owned or operated by such plants or by recognized independent or commercial hauling companies hired by those commercial plants.

1-08.3(2)A Type A Progress Schedule
This section is revised to read:

The Contractor shall submit five copies of a Type A Progress Schedule no later than 10 days after the date the contract is executed, 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.

SECTION 1-09, MEASUREMENT AND PAYMENT
April 7, 2008

1-09.9 Payments
The first paragraph is supplemented with the following:

For items Bid as lump sum, the Contractor shall submit a breakdown of their lump sum price in sufficient detail for the Project Engineer to determine the value of the Work performed on a monthly basis. Lump sum breakdowns shall be provided to the Project Engineer no later than the date of the preconstruction meeting.

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

Unless otherwise provided in the payment clause of the applicable Specifications, partial payment for lump sum Bid items will be a percentage of the price in the Proposal based on
the Project Engineer’s determination of the amount of Work performed, with consideration
given to but not exclusively based on the Contractors lump sum breakdown.

The third paragraph is supplemented with the following:

The determination of payments under the contract will be final in accordance with Section 1-05.1.

1-09.9(1) Retainage
In the fourth paragraph, number 1, the reference to $20,000 is revised to read $35,000.

SECTION 6-02, CONCRETE STRUCTURES
April 6, 2009

6-02.2 Materials
This section is supplemented with the following:

Pigmented Sealer Materials for Coating of Concrete Surfaces 9-08.2(1)

6-02.3(2)A Contractor Mix Design
The third sentence in the fourth paragraph is revised to read:

The nominal maximum size aggregate for Class 4000P shall be 3/8-inch.

The fourth sentence in the fourth paragraph is revised to read:

The nominal maximum size aggregate for Class 4000D shall be 1-inch.

6-02.3(2)B Commercial Concrete
The second paragraph is revised to read:

Where concrete Class 3000 is specified for items such as, culvert headwalls, plugging culverts, concrete pipe collars, pipe anchors, monument cases, light standard foundations, pedestals, cabinet bases, guardrail anchors, sign post foundations, fence post footings, sidewalks, curbs, and gutters, the Contractor may use commercial concrete. If commercial concrete is used for sidewalks, curbs, and gutters, it shall have a minimum cementitious material content of 564-pounds per cubic yard of concrete, shall be air entrained, and the tolerances of Section 6-02.3(5)C shall apply. Commercial concrete shall not be used for items such as, bridges, retaining walls, box culverts, or foundations for high mast luminaires, mast arm traffic signals, cantilever signs, and sign bridges. The Engineer may approve the use of commercial concrete for other applications not listed above.

6-02.3(6)D Protection Against Vibration
The second sentence in the second paragraph is revised to read:
These requirements for the protection of freshly placed concrete against vibration shall not apply for plant cast concrete, nor shall they apply to the vibrations caused by the traveling public.

The third sentence in the second paragraph is deleted.

Item (2) under the third paragraph is revised to read:

(2) Equipment Class L (Low Vibration) shall include tracked dozers under 85,000-pounds, track vehicles, trucks (unless excluded above), hand operated jack hammers, cranes, auger drill rig, caisson drilling, vibratory roller compactors under 30,000-pounds, and grab-hammers.

Item (3) under the third paragraph is revised to read:

(3) Equipment Class H (High Vibration) shall include pile drivers, vibratory hammers, machine operated impact tools, pavement breakers, and other large pieces of equipment.

6-02.3(10) Roadway Slabs and Bridge Approach Slabs
This section's content is deleted. This section's title is revised to read:

6-02.3(10) Bridge Decks and Bridge Approach Slabs

This section is supplemented with the following new sub-sections:

6-02.3(10)A Preconstruction Meeting
A pre-concreting conference shall be held 5 to 10-working days before placing concrete to discuss construction procedures, personnel, and equipment to be used. Those attending shall include:

1. (representing the Contractor) The superintendent and all foremen in charge of placing the concrete, finishing it; and

2. (representing the State) The Project Engineer, key inspection assistants, and the State Construction Office.

If the project includes more than 1 deck or slab, and if the Contractor’s key personnel change between concreting operations, or at request of the Engineer, an additional conference shall be held just before each deck or slab is placed.

The Contractor shall not place bridge decks until the Engineer agrees that:

1. Concrete producing and placement rates will be high enough to meet placing and finishing deadlines;

2. Finishers with enough experience have been employed;

3. Adequate finishing tools and equipment are at the site, and
4. Curing procedures consistent with the Specification requirements are employed.

6-02.3(10)B Screed Rail Supports
The Contractor shall place screed rails outside the finishing area. When screed rails cannot be placed outside the finishing area as determined by the Engineer, they shall rest on adjustable supports that can be removed with the least possible disturbance to the screeded concrete. The supports shall rest on structural members or on forms rigid enough to resist deflection. Supports shall be removable to at least 2-inches below the finished surface. For staged constructed bridge decks, the finishing machine screed rails shall not be supported on the completed portion of deck and shall deflect with the portion of structure under construction.

Screed rails (with their supports) shall be strong enough and stiff enough to permit the finishing machine to operate effectively on them. All screed rails shall be placed and secured for the full length of the deck/slab before the concreting begins. If the Engineer approves in advance, the Contractor may move rails ahead onto previously set supports while concreting progresses. But such movable rails and their supports shall not change the set elevation of the screed.

On steel truss and girder spans, screed rails and bulkheads may be placed directly on transverse steel floorbeams, with the strike-board moving at right angles to the centerline of the Roadway.

6-02.3(10)C Finishing Equipment
The finishing machine shall be self-propelled and be capable of forward and reverse movement under positive control. The finishing machine shall be equipped with a rotating cylindrical single or double drum screed not exceeding 60-inches in length. The finishing machine shall have the necessary adjustments to produce the required cross-section, line, and grade. Provisions shall be made for the raising and lowering of all screeds under positive control. The upper vertical limit of screed travel shall permit the screed to clear the finished concrete surface.

For bridge deck widening of 20-feet or less, and for bridge approach slabs, or where jobsite conditions do not allow the use of conventional configuration finishing machines described above, the Contractor may propose the use of a hand operated motorized power screed such as a “Texas” or “Bunyan” screed. This screed shall be capable of finishing the bridge deck and bridge approach slab to the same standards as the finishing machine. The Contractor shall not begin placing bridge deck or bridge approach slab concrete until receiving the Engineer’s approval of this screed and the placing procedures.

On bridge decks the Contractor may use hand-operated strike-boards only when the Engineer approves for special conditions where self propelled or motorized hand operated screeds cannot be employed. These boards shall be sturdy and able to strike off the full placement width without intermediate supports. Strike-boards, screed rails, and any specially made auxiliary equipment shall receive the Engineer’s approval before use. All finishing requirements in these Specifications apply to hand-operated finishing equipment.
6-02.3(10)D Concrete Placement, Finishing, and Texturing

Before any concrete is placed, the finishing machine shall be operated over the entire length of the deck/slab to check screed deflection. Concrete placement may begin only if the Engineer approves after this test.

Immediately before placing concrete, the Contractor shall check (and adjust if necessary) all falsework and wedges to minimize settlement and deflection from the added mass of the concrete deck/slab. The Contractor shall also install devices, such as telltales, by which the Engineer can readily measure settlement and deflection.

The Contractor shall schedule the concrete placement so that it can be completely finished during daylight. After dark finishing is permitted if the Engineer approves and if the Contractor provides adequate lighting.

The placement operation shall cover the full width of the Roadway or the full width between construction joints. The Contractor shall locate any construction joint over a beam or web that can support the deck/slab on either side of the joint. The joint shall not occur over a pier unless the Plans permit. Each joint shall be formed vertically and in true alignment. The Contractor shall not release falsework or wedges supporting pours on either side of a joint until each side has aged as these Specifications require.

Placement of concrete for bridge decks and bridge approach slabs shall comply with Section 6-02.3(6). The Engineer shall approve the placement method. In placing the concrete, the Contractor shall:

1. Place it (without segregation) against concrete placed earlier, as near as possible to its final position, approximately to grade, and in shallow, closely spaced piles;

2. Consolidate it around reinforcing steel by using vibrators before strike-off by the finishing machine;

3. Not use vibrators to move concrete;

4. Not revibrate any concrete surface areas where workers have stopped prior to screeding;

5. Remove any concrete splashed onto reinforcing steel in adjacent segments before concreting them;

6. Tamp and strike off the concrete with a template or strike board moving slowly forward at an even speed;

7. Maintain a slight excess of concrete in front of the cutting edge across the entire width of the placement operation;

8. Make enough passes with the strike-board (without overfinishing and bringing excessive amounts of mortar to the surface) to create a surface that is true and ready for final finish; and
9. Leave a thin, even film of mortar on the concrete surface after the last pass of the strike-board.

Workers shall complete all post screeding operations without walking on the concrete. This may require work bridges spanning the full width of the slab.

After removing the screed supports, the Contractor shall fill the voids with concrete (not mortar).

If necessary, as determined by the Engineer, the Contractor shall float the surface left by the finishing machine to remove roughness, minor irregularities, and seal the surface of the concrete. Floating shall leave a smooth and even surface. Float finishing shall be kept to a minimum number of passes so air bubbles in the concrete are not released. The floats shall be at least 4-feet long. Each transverse pass of the float shall overlap the previous pass by at least half the length of the float. The first floating shall be at right angles to the strike-off. The second floating shall be at right angles to the centerline of the span. A smooth riding surface shall be maintained across construction joints.

Expansion joints shall be finished with a 1/2-inch radius edger.

After floating, but while the concrete remains plastic, the Contractor shall test the entire deck/slab for flatness (allowing for crown, camber, and vertical curvature). The testing shall be done with a 10-foot straightedge held on the surface. The straightedge shall be advanced in successive positions parallel to the centerline, moving not more than 1/2 the length of the straightedge each time it advances. This procedure shall be repeated with the straightedge held perpendicular to the centerline. An acceptable surface shall be one free from deviations of more than 1/8-inch under the 10-foot straightedge.

If the test reveals depressions, the Contractor shall fill them with freshly mixed concrete, strike off, consolidate, and refinish them. High areas shall be cut down and refinished. Retesting and refinishing shall continue until an acceptable, deviation free surface is produced. The hardened concrete shall meet all smoothness requirements of these Specifications even though the tests require corrective Work.

The Contractor shall texture the bridge deck and bridge approach slab by combing the final surface perpendicular to the centerline. Made of a single row of metal tines, the comb shall leave striations in the fresh concrete approximately 3/16-inch deep by 1/8-inch wide and spaced approximately 1/2-inch apart. The Engineer will decide actual depths at the site. (If the comb has not been approved, the Contractor shall obtain the Engineer’s approval by demonstrating it on a test section.)

The Contractor may operate the combs manually or mechanically, either singly or with several placed end to end. The timing and method used shall produce the required texture without displacing larger particles of aggregate. Texturing shall end 2-feet from curb lines. This 2-foot untextured strip shall be hand finished with a steel trowel.

If the Plans call for an overlay (to be constructed under the same Contract), such as hot mix asphalt, latex modified concrete, epoxy concrete, or similar, the Contractor shall produce the
final finish by dragging a strip of damp, seamless burlap lengthwise over the full width of the
deck/slab or by brooming it lightly. A burlap drag shall equal the deck/slab in width. Approximately 3-feet of the drag shall contact the surface, with the least possible bow in its leading edge. It shall be kept wet and free of hardened lumps of concrete. When it fails to produce the required finish, the Contractor shall replace it. When not in use, it shall be lifted clear of the slab.

After the deck/slab has cured, the surface shall not vary more than $\frac{1}{8}$-inch under a 10-foot straightedge placed parallel and perpendicular to the centerline.

The Contractor shall cut high spots down with a diamond faced, saw-type cutting machine. This machine shall cut through mortar and aggregate without breaking or dislodging the aggregate or causing spalls.

Low spots shall be built up utilizing a grout or concrete with a strength equal to or greater than the required 28-day strength of the deck/slab. The method of build-up shall be submitted to the Engineer for approval.

The surface texture on any area cut down or built up shall match closely that of the surrounding bridge deck or bridge approach slab area. The entire bridge deck and bridge approach slab shall provide a smooth riding surface.

6-02.3(10)E Sidewalk
Concrete for sidewalk shall be well compacted, struck off with a strike-board, and floated with a wooden float to achieve a surface that does not vary more than $\frac{1}{8}$-inch under a 10-foot straightedge. An edging tool shall be used to finish all sidewalk edges and expansion joints. The final surface shall have a granular texture that will not turn slick when wet.

6-02.3(10)F Bridge Approach Slab Orientation and Anchors
Bridge approach slabs shall be constructed full bridge deck width from outside usable Shoulder to outside usable Shoulder at an elevation to match the Structure. The bridge approach slabs shall be modified as shown in the Plans to accommodate the grate inlets at the bridge ends if the grate inlets are required.

Bridge approach slab anchors shall be installed as detailed in the Plans and the anchor rods, couplers, and nuts shall conform to Section 9-06.5(1). The steel plates shall conform to ASTM A 36. All metal parts shall receive 1 coat of formula A-11-99 paint meeting the requirements of Section 9-08.2. The pipe shall be any non-perforated PE or PVC pipe of the diameter specified in the Plans. Polystyrene shall conform to Section 9-04.6. The anchors shall be installed parallel both to profile grade and center line of Roadway. The Contractor shall secure the anchors to ensure that they will not be misaligned during concrete placement. For Method B anchors installations, the epoxy bonding agent used to install the anchors shall be Type IV conforming to Section 9-26.1. The compression seal shall be as noted in the Contract documents. Dowel bars shall be installed in the bridge approach slabs in accordance with the requirements of the Standard Plans and Section 5-05.3(10).
After curing bridge approach slabs in accordance with Section 6-02.3(11), the bridge approach slabs may be opened to traffic when a minimum compressive strength of 2,500 psi is achieved.

6-02.3(12) Construction Joints
The third sentence in the second paragraph is deleted.

6-02.3(14) Finishing Concrete Surfaces
The following new sub-section is inserted after Section 6-02.3(14)B:

6-02.3(14)C Pigmented Sealer for Concrete Surfaces
All surfaces specified in the Plans to receive pigmented sealer shall receive a Class 2 surface finish, (except that concrete barrier surfaces shall be finished in accordance with Section 6-02.3(11)A) and shall receive a light brush sandblasting in order that complete neutralization of the surface and subsequent penetration of the pigmented sealer is achieved. All curing agents and form release agents shall be removed. The surface shall be dry, clean and prepared in accordance with the manufacturer's written instructions. The Contractor shall submit four copies of the manufacturer's written instructions.

The Contractor shall not apply pigmented sealer from a batch greater than twelve months past the initial date of color sample approval of that batch by the Engineer.
The pigmented sealer color or colors for specific concrete surfaces shall be as specified in the Special Provisions.

The pigmented sealer shall be spray applied in accordance with the manufacturer's written instructions for application, air temperature required for sealer application and curing, qualification of applicator, rate of application, and number of coats to apply. Pigmented sealer shall not be applied until the concrete has cured for at least 28 days. Pigmented sealer shall not be applied upon damp surfaces, nor shall it be applied when the air is misty, or otherwise unsatisfactory for the work, in the opinion of the manufacturer or the Engineer. The final appearance shall have an even and uniform color acceptable to the Engineer.

For concrete surfaces such as columns, retaining walls, pier walls, abutments, concrete fascia panels, and noise barrier wall panels, the pigmented sealer shall extend to one foot below the finish ground line, unless otherwise shown in the Plans.

6-02.3(17)N Removal of Falsework and Forms
The fifth paragraph, beginning with “The Contractor may remove side forms, traffic barrier form, and pedestrian barrier forms” etc, is deleted.

6-02.3(17)O Early Concrete Test Cylinder Breaks
The third paragraph is revised to read:
The cylinders shall be cured in accordance with WSDOT FOP for AASHTO T 23.

6-02.3(20) Grout for Anchor Bolts and Bridge Bearings
This section's title is revised to read:
6-02.3(20) Grout for Anchor Bolts and Bridge Bearings

6-02.3(25) Prestressed Concrete Girders
In the fourth paragraph, the second sentence in Prestressed Concrete Wide Flange I Girder is revised to read:

WSDOT standard girders in this category include Series WF42G, WF50G, WF58G, WF66G, WF74G, WF83G, WF95G and WF100G

In the fourth paragraph, the seventh sentence in Spliced Prestressed Concrete Girder is revised to read:

WSDOT standard girders in this category include Series WF66PTG, WF74PTG, WF83PTG, WF95PTG and WF100PTG.

6-02.3(25)B Casting
The reference to Section 9-23.7 in the second sentence of the third paragraph is deleted.

6-02.3(25)C Prestressing
The fifth paragraph is revised to read:

From manufacture to encasement in concrete, prestressing strand shall be protected against dirt, oil, grease, damage, and all corrosives. Strand shall be stored in a dry covered area and shall be kept in the manufacturer’s original packaging until placement in the forms. If prestressing strand has been damaged or pitted, it will be rejected. Prestressing strand with rust shall be spot cleaned with a non-metallic pad to inspect for any sign of pitting or section loss.

6-02.3(25)J Horizontal Alignment
The first paragraph is revised to read:

The Contractor shall check and record the horizontal alignment of the top and bottom flanges of each girder at the following times:

1. Initial - upon removal of the girder from the casting bed;

2. Final - within 2-weeks, but not less than 3-days prior to shipment; and

3. Storage - between 115 to 125-days after casting, if the girder remains in storage for a period exceeding 120-days.

Each check shall be made by measuring the distance between each flange and a chord that extends the full length of the girder. The Contractor shall perform and record each check at a time when the alignment of the girder is not influenced by temporary differences in surface temperature. Records for the Initial check shall be included in the Contractor’s Prestressed Concrete Certificate of Compliance. Records for the Final and Storage checks shall be provided to the Engineer for approval.
The first sentence in the fifth paragraph is deleted.

6-02.3(25)K Girder Deflection
The first paragraph is revised to read:

The Contractor shall check and record the vertical deflection (camber) of each girder at the following times:

1. Initial - upon removal of the girder from the casting bed; and

2. Storage - within 2-weeks, but not less than 3-days prior to shipment, if the girder remains in storage for a period exceeding 120-days.

The Contractor shall perform and record each check at a time when the alignment of the girder is not influenced by temporary differences in surface temperature. These records shall be available for the Engineer’s inspection, and in the case of girders older than 120-days, shall be transmitted to the Engineer as soon as practical for evaluation of the effect of long-term storage on the “D” dimension. Records for the Initial check shall be included in the Contractor’s Prestressed Concrete Certificate of Compliance. Records for the Storage check shall be provided to the Engineer for approval.

6-02.3(25)L Handling and Storage
The fifth sentence in the third paragraph is deleted.

6-02.3(25)N Prestressed Concrete Girder Erection
The fourth paragraph is revised to read:

When prestressed girders arrive on the project, the Project Engineer will confirm that they are stamped “Approved for Shipment”, that the final horizontal alignment and deflection (camber) check records have been approved, and that they have not been damaged in shipment, before accepting them.

6-02.3(26)E Ducts
The first six paragraphs under the heading Ducts for Internal Embedded Installation are revised to read:

Ducts, including their splices, shall be semi-rigid, air and mortar tight, corrugated plastic ducts of virgin polyethylene or polypropylene materials, free of water soluble chlorides or other chemicals reactive with concrete or post-tensioning reinforcement. Ducts, including their splices, shall either have a white coating on the outside or shall be of a white material with ultraviolet stabilizers added. Ducts, including their splices, shall be capable of withstanding concrete pressures without deforming or permitting the intrusion of cement paste during placement of concrete. All fasteners shall be appropriate for use with plastic ducts, and all clamps shall be of an approved plastic material.

Polyethylene ducts shall conform to ASTM D 3350 with a cell classification of 345464A. Polypropylene ducts shall conform to ASTM D 4101 with a cell classification of either PP0340B14541 or PP0340B67884. Resins used for duct fabrication shall have a minimum
oxidation induction time of 20 minutes, in accordance with ASTM D 3895, based on tests performed by the duct fabricator on samples taken from the lot of finished product. The duct thickness shall be as specified in Section 10.8.3 of the AASHTO LRFD Bridge Construction Specifications, latest edition and current interims.

Each duct shall maintain the required profile within a placement tolerance of plus or minus $\frac{1}{4}$-inch for longitudinal tendons and plus or minus $\frac{1}{8}$-inch for transverse slab tendons during all phases of the work. The minimum acceptable radius of curvature shall be as recommended by the duct manufacturer and as supported by documented industry standard testing. The ducts shall be completely sealed to keep out all mortar.

Each duct shall be located to place the tendon at the center of gravity alignment shown in the Plans. To keep friction losses to a minimum, the Contractor shall install ducts to the exact lines and grades shown in the Plans. Once in place, the ducts shall be tied firmly in position before they are covered with concrete. During concrete placement, the Contractor shall not displace or damage the ducts.

The ends of the ducts shall:

1. Permit free movement of anchorage devices, and
2. Remain covered after installation in the forms to keep out all water or debris.

Immediately after any concrete placement, the Contractor shall force blasts of oil-free, compressed air through the ducts to break up and remove any mortar inside before it hardens. Before deck concrete is placed, the Contractor shall satisfy the Engineer that ducts are unobstructed and contain nothing that could interfere with tendon installation, tensioning, or grouting. If the tendons are in place, the Contractor shall show that they are free in the duct.

Ducts shall be capped and sealed at all times until the completion of grouting to prevent the intrusion of water.

The last paragraph under the heading **Ducts for Internal Embedded Installation** is revised to read:

When the duct must be curved in a tight radius, more flexible duct may be used, subject to the Engineer’s approval.

The first paragraph under the heading **Ducts for External Exposed Installation** is revised to read:

Duct shall be high-density polyethylene (HDPE) conforming to ASTM D 3350. The cell classification for each property listed in Table 1 shall be as follows:

This section is supplemented with the following:

**Vents, Grout Injection Ports, Drains and Caps**

The Contractor shall install vents at high points and drains at low points of the tendon profile (and at other places if the Plans require). Vents at high points shall consist of a set of three vents - one to be installed at the high point of the duct, and flanking vents to be installed on
either side of the high point vent at locations where the duct profile is 8 to 12 inches below
the elevation of the high point vent. Vents shall include grout injection ports.

Vents and drains shall have a minimum inside diameter of 3/4 inches, and shall be of either
stainless steel, nylon, or polyolefin materials, free of water soluble chlorides or other
chemicals reactive with concrete or post-tensioning reinforcement. Stainless steel vents and
drains shall conform to ASTM A 240 Type 316. Nylon vents and drains shall conform to cell
classification S-PA0141 (weather resistant). Polyolefin vents and drains shall contain an
antioxidant with a minimum oxidation induction time of 20 minutes in accordance with
ASTM D 3895. Polyolefin vents and drains shall also have a stress crack resistance of three
hours minimum when tested at an applied stress of 350 psi in accordance with ASTM F 2136.

All fasteners shall be appropriate for use with plastic ducts, and all clamps shall be of an
approved plastic material. Taping of connections is not allowed. Valves shall be positive
mechanical shut-off valves. Valves, and associated caps, shall have a minimum pressure
rating of 100 psi.

Vents shall point upward and remain closed until grouting begins. Drains shall point
downward and remain open until grouting begins. Ends of stainless steel vents and drains
shall be removed 1-inch inside the concrete surface after grouting has been completed. Ends
of nylon or polyolefin vents and drains may be left flush to the surface unless otherwise
specified by the Engineer. Vents, except for grout injection, are not required for transverse
post-tensioning ducts in the roadway slab unless specified in the Plans.

Caps shall be made of either stainless steel or fiber reinforced polymer (FRP). Stainless steel
caps shall conform to ASTM A 240 Type 316L. The resin for FRP caps shall be either nylon,
polyester, or acrylonitrile butadiene styrene (ABS). Nylon shall conform to cell classification
S-PA0141 (weather resistant). Caps shall be sealed with "O" ring seals or precision fitted flat
gaskets placed against the bearing plate. Caps shall be fastened to the anchorage with stainless
steel bolts conforming to ASTM A 240 Type 316L.

**Leak Tightness Testing**
The Contractor shall test each completed duct assembly for leak tightness, prior to casting
concrete and placing post-tensioning reinforcement. The Contractor shall submit the
equipment used to conduct the leak tightness testing and to monitor and record the pressure
maintained in and lost from the closed assembly, and the process to be followed in conducting
the leak tightness testing, to the Engineer for approval along with the post-tensioning system
shop drawings in accordance with Section 6-02.3(26)A.

Prior to testing, all vents, grout injection ports, and drains shall either be capped or have their
shut-off valves closed. The Contractor shall pressurize the completed duct assembly to an
initial air pressure of 50 psi. This pressure shall be held for five minutes to allow for internal
adjustments within the assembly. After five minutes, the air supply valve shall be closed. The
Contractor shall monitor and measure the pressure maintained within the closed assembly,
and any subsequent loss of pressure, over a period of one minute following the closure of the
air supply valve. Locations of leakage shall be identified, repaired or reconstructed, and the
repaired reassembled duct system retested. The cycle of testing, repair and retesting of each
completed duct assembly shall continue until the completed duct assembly completes a test
with pressure loss within the specified amount. The maximum pressure loss for duct assemblies equal to or less than 150 feet in length shall be 25 psig. The maximum pressure loss for duct assemblies greater than 150 feet in length shall be 15 psig.

6-02.3(26)F Prestressing Reinforcement

The fourth paragraph is revised to read:

From manufacture to encasement in concrete or grout, prestressing strand shall be protected against dirt, oil, grease, damage, and all corrosives. Strand shall be stored in a dry covered area and shall be kept in the manufacturer's original packaging. If prestressing strand has been damaged or pitted, it will be rejected. Prestressing strand with rust shall be spot cleaned with a non-metallic pad to inspect for any sign of pitting or section loss. If the prestressing reinforcement will not be stressed and grouted for more than seven calendar days after it is placed in the ducts, the Contractor shall place an approved corrosion inhibitor conforming to Federal Specification MIL-P-3420F-87 in the ducts.

6-02.3(26)H Grouting

The following is inserted in front of the first paragraph of this section:

Grout for post-tensioning reinforcement shall be a Class C pre-packaged, pumpable, non-segregating, non-shrink, high-strength grout conforming to the requirements specified in Section 10.9.3 of the AASHTO LRFD Bridge Construction Specifications, latest edition and current interims. Pre-packaged components of the grout mix shall be used within six months or less from date of manufacture to date of usage. Grout for post-tensioning reinforcement will be accepted based on manufacturer's certificate of compliance in accordance with Section 1-06.3, except that the water-cementitious material ratio of 0.45 maximum shall be field verified.

All grout produced for any single structure shall be furnished by one supplier.

All grouting operations shall be conducted by ASBI certified grout technicians.

The Contractor shall submit a grouting operation plan to the Engineer for approval in accordance with Section 6-01.9. The grouting operation plan shall include, but not be limited to, the following:

1. Names of the grout technicians, accompanied by documentation of their ASBI certification.

2. Type, quantity and brand of materials used in the grouting operations, including all manufacturer's certificates of compliance.

3. Type of equipment to be used, including meters and measuring devices used to positively measure the quantity of materials used to mix the post-tensioning grout, the equipment capacity in relation to demand and working conditions, and all back-up equipment and spare parts.

4. General grouting procedure.
5. Duct leak tightness testing and repair procedures as specified in Section 6-02.3(26)E.

6. Methods used to control the rate of grout flow within the ducts.

7. Theoretical grout volume calculations, and target flow rates recommended by the grout manufacturer as a function of the mixer equipment and the expected range of ambient temperatures.

8. Grout mixing and pumping procedures.

9. Direction of grouting.

10. Sequence of use of the grout injection ports, vents and drains.

11. Procedures for handling blockages.


The Contractor shall not begin grouting operations until receiving the Engineer's approval of the grouting operation plan.

Post-tensioning grout shall be mixed in accordance with the pre-packaged grout manufacturer's recommendations using high-shear colloidal mixers. Mechanical paddle mixers will not be allowed. The grout produced for filling post-tensioning ducts shall be free of lumps and undispersed cement. All equipment used to mix each batch of post-tensioning grout shall be equipped with appropriate meters and measuring devices to positively measure all quantities of all materials used to produce the mixed grout. The field test for water-cementitious materials ratio shall be performed prior to beginning the grouting injection process. Grouting shall not begin until the material properties of each batch of grout have been confirmed as acceptable.

The fourth paragraph is deleted.

The fifth paragraph is deleted.

The sixth paragraph is deleted

6-02.5 Payment

The bid item “Commercial Concrete” and the associated paragraph is supplemented with the following:

All costs in connection with furnishing and applying pigmented sealer to concrete surfaces as specified shall be included in the unit contract price per cubic yard for "Conc. Class ____” If the concrete is to be paid for other than by class of concrete then the costs shall be included in the applicable adjacent item of work.
SECTION 8-20, ILLUMINATION, TRAFFIC SIGNAL SYSTEMS, AND ELECTRICAL
April 6, 2009

8-20.1 Description
The first paragraph is revised to read:

This Work consists of furnishing, installing and field testing all materials and equipment necessary to complete in place, fully functional system(s) of any or all of the following types including modifications to an existing system all in accordance with approved methods, the Plans, the Special Provisions and these Specifications:

1. Traffic Signal System
2. Illumination System
3. Intelligent Transportation System

8-20.3(1) General
The following new paragraph is inserted after the fifth paragraph:

The embedded anchors attaching existing electrical, illumination, and traffic signal systems specified for removal to existing concrete Structures shall be removed a minimum of one inch beneath the existing concrete surface. The void left by removal of the embedded anchors shall be coated with epoxy bonding agent and filled with grout. The epoxy bonding agent shall be Type II conforming to Section 9-26.1 with the grade and class as recommended by the epoxy bonding agent manufacturer and as approved by the Engineer. The grout shall consist of cement and fine aggregate mixed in the proportions to match the color of the existing concrete surface as near as practicable.

8-20.3(4) Foundations
The fifth paragraph is revised to read:

Where soil conditions are poor, the Engineer may order the Contractor to extend the foundations shown in the Plans to provide additional depth. Such additional Work will be paid for according to Section 1-04.4.

8-20.3(5) Conduit
This section is revised to read:

Installation of conduit shall conform to appropriate articles of the Code and these Specifications.

The size of conduit used shall be as shown in the Plans. Conduits smaller than 1-inch electrical trade size shall not be used unless otherwise specified, except that grounding conductors at service points may be enclosed in ½-inch diameter conduit.

Conduit between light standards, PPB, PS or type I poles and the nearest junction box shall be the diameter specified in the Plans. Larger size conduit is not allowed at these locations. At other locations it shall be the option of the Contractor, at no expense to the Contracting Agency, to use larger size conduit if desired, and where larger size conduit is used, it shall be
for the entire length of the run from outlet to outlet. Reducing couplings will not be permitted.

The ends of all conduits, metallic and non-metallic shall be reamed to remove burrs and rough edges. Field cuts shall be made square and true. Slip joints or running threads will not be permitted for coupling metallic conduit; however, running threads will be permitted in traffic signal head spiders and RGS outerduct. When installing rigid galvanized steel conduit and standard coupling cannot be used, an approved 3-piece coupling shall be used. Conduit fittings and couplings for steel conduit shall be cleaned first and then painted with one coat of galvanizing repair paint Formula A-9-73. The paint shall have a minimum wet film thickness of 3 mils. The painted coating shall cover the entire coupling or fitting. The threads on all metallic conduit shall be rust-free, clean and painted with colloidal copper suspended in a petroleum vehicle before couplings are made. All metallic couplings shall be tightened so that a good electrical connection will be made throughout the entire length of the conduit run. If the conduit has been moved after assembly, it shall be given a final tightening from the ends prior to backfilling. Non-metallic conduit shall be assembled using the solvent cement specified in Section 9-29.1. Where the coating on galvanized conduit has been damaged in handling or installing, such damaged areas shall be thoroughly painted with galvanizing repair paint, Formula A-9-73. Conduit ends shall be capped (do not glue non metallic caps). Metallic conduit ends shall be threaded and capped with standard threaded conduit caps until wiring is started. When conduit caps are removed, the threaded ends shall be provided with approved conduit bushings or end bells (do not glue in place) for nonmetallic conduit.

Conduit stubs from controller cabinet foundations shall extend to the nearest junction box in that system.

Metallic conduit bends, shall have a radius consistent with the requirements of Article 344.24 and other articles of the Code. Where factory bends are not used, conduit shall be bent, using an approved conduit bending tool employing correctly sized dies, without crimping or flattening, using the longest radius practicable.

Nonmetallic conduit bends, where allowed, shall conform to Article 352.24 of the Code. Eighteen-inch radius elbows shall be used for PVC conduit of 2-inch nominal diameter or less. Standard sweep elbows shall be used for PVC conduit with greater than 2-inch nominal diameter unless otherwise specified in the Plans. In nonmetallic conduit less than 2-inch nominal diameter, pull ropes or flat tapes for wire installation shall be not less than ½ inch diameter or width. In nonmetallic conduit of 2-inch nominal diameter or larger, pull ropes or flat tapes for wire installation shall be not less than ½ inch diameter or width.

Conduit shall be laid so that the top of the conduit is a minimum depth of:

1. 24-inches below the bottom of curb in the sidewalk area.

2. 24-inches below the top of the roadway base.

3. 48-inches below the bottom of ties under railroad tracks unless otherwise specified by the railroad company.
4. 24-inches below the finish grade in all other areas.

Rigid galvanized steel conduit shall be installed at the following locations:

1. Within railroad right of way;
2. All pole risers, except when as otherwise required by owning utilities;
3. All surface mounted conduit, with the exception of electrical service utility poles.
4. All runs within slip form structures.

Couplings in cabinet foundations shall be PVC schedule 40. The stub-outs above the couplings shall be PVC end bell bushings. The schedule 40 section of PVC between the coupling and end bell bushing shall be installed without glue.

Conduit runs, without innerduct, installed using the directional boring method, which enter the traveled way or shoulders, shall be schedule 80 high density polyethylene (HDPE), schedule 80 PVC with mechanical couplings or rigid galvanized steel.

Conduit runs, without innerduct, installed using the directional boring method, which do not enter the traveled way and shoulders, shall be schedule 40 high density polyethylene (HDPE), schedule 40 PVC with mechanical couplings or rigid galvanized steel.

Multi-cell conduit runs, installed outside the Traveled Way and Shoulders, when using the directional boring method shall have 4-inch PVC Schedule 40 outerduct with mechanical couplings or 4-inch rigid galvanized steel outerduct. The conduit shall be installed with four 1-inch smooth wall innerducts.

When HDPE conduit is used for directional boring, it shall be continuous, with no joints, for the full length of the bore. The conduit run shall be extended to the associated outlets with the same schedule HDPE or PVC conduit. Entry into associated junction box outlets shall be with the same schedule PVC conduit and elbows. The same requirements apply for extension of an existing HDPE conduit crossing.

PVC conduit and elbows shall be connected to HDPE conduit with an approved mechanical coupling. The connection shall have a minimum pull out strength of 700 pounds. Prior to installation of a mechanical coupling, the HDPE conduit shall first be prepared with a clean, straight edge. A water based pulling lubricant may be applied to the threaded end of the mechanical coupling before installation. Solvent cement or epoxy shall not be used on the threaded joint when connecting the HDPE conduit to the mechanical coupling. The mechanical coupling shall be rotated until the HDPE conduit seats approximately ¼ of the distance into the threaded coupling depth.

For PVC installation through a directional bore, the PVC shall be in rigid sections assembled to form a water tight bell and spigot type mechanical joint with a solid retaining ring around the entire circumference of the conduit installed per the manufacturer’s recommendations. The conduit run shall be extended beyond the length of the bore, to the associated outlets with
the same mechanical coupled PVC or with standard PVC conduit of the same schedule. The same requirements apply for extension of an existing PVC conduit Roadway crossing.

Liquid tight flexible metal conduit is allowed only at locations called for in the Plans.

At all other locations, conduit shall be PVC or rigid galvanized steel and the same type of conduit shall be used for the entire length of the run, from outlet to outlet. Standard PVC conduit shall be connected with medium grade gray solvent applied per the manufacturer’s recommendations.

Where nonmetallic conduit is installed, care shall be used in excavating, installing, and backfilling, so that no rocks, wood, or other foreign material will be left in a position to cause possible damage.

When PVC conduit is installed by a method other than directional boring, conduit shall be schedule 40 with the exception that PVC conduit within the traveled way or shoulders and service lateral runs shall be schedule 80.

Metallic and nonmetallic conduit installation shall include equipment grounding conductor and shall conform to requirements noted in the Standard Plans. Conduit shall be placed under existing pavement by approved directional boring, jacking or drilling methods, at locations approved by the Engineer. The pavement shall not be disturbed unless allowed in the Plans, or with the approval of the Engineer in the event obstructions or impenetrable soils are encountered.

Where boring with casing is called for the casing shall be placed using an auger inside of the casing to remove the soil as the casing is jacked forward. The auger head shall proceed no more than 4-inches ahead of the pipe being jacked. Boring operations shall be conducted to prevent caving ahead of the pipe. Installed casing pipe shall be free from grease, dirt, rust, moisture and any other deleterious contaminants.

The space between the conduit and casing shall be plugged with sand bags and a grout seal 12-inches thick at each end of the casing. Casing abandoned due to an encountered obstruction shall be grout sealed in the same manner. Grout shall obtain a minimum of 4000-PSI compressive strength at 7-days.

In lieu of sand bags and grout, unopened of prepackaged concrete may be used to seal the casing. Material shall not be removed from the boring pit by washing or sluicing.

All joints shall be welded by a Washington State certified welder. Welding shall conform to AWS D 1.1-80 Structural Welding Code, Section 3, Workmanship.

Directional boring for electrical installations shall be supervised by a licensed electrical contractor in accordance with Section 8-20.1(1). Where directional boring is called for, conduit shall be installed using a surface launched, steerable drilling tool. Drilling shall be accomplished using a high-pressure fluid jet toolhead. The drilling fluid shall be used to maintain the stability of the tunnel, reduce drag on the conduit and provide backfill between
the conduit and tunnel. A guidance system that measures the depth, lateral position and roll shall be used to guide the toolhead when creating the pilot hole. Once the pilot hole is established a reamer and swivel shall be used to install the conduit. Reaming diameter shall not exceed 1.5 times the diameter of the conduit being installed. Conduit that is being pulled into the tunnel shall be installed in such a manner so the conduit is not damaged during installation. The pullback force on the conduit shall be controlled to prevent damage to the conduit. A vacuum spoils extraction system shall be used to remove any excess spoils generated during the installation. Excess drilling fluid and spoils shall be disposed of. The method and location used for disposal of excess drilling fluid and spoils shall be subject to the Engineers approval. Drilling fluid returns (caused by fracturing of formations) at locations other than the entry and exit points shall be minimized. Any drilling fluid that surfaces through fracturing shall be cleaned up immediately. Mobile spoils removal equipment capable of quickly removing spoils from entry or exit pits and areas with returns caused by fracturing shall be used as necessary during drilling operations.

Bore pits shall be backfilled and compacted in accordance with Section 2-09.3(1)E. Directional boring, and jacking or drilling pits shall be kept 2-feet from the edge of any type of pavement wherever possible. Excessive use of water that might undermine the pavement or soften the Subgrade will not be permitted.

When approved by the Engineer, small test holes may be cut in the pavement to locate obstructions. When the Contractor encounters obstructions or is unable to install conduit because of soil conditions, as determined by the Engineer, additional Work to place the conduit will be paid in accordance with Section 1-04.4.

When open trenching is allowed, trench construction shall conform to the following:

1. The pavement shall be sawcut a minimum of 3-inches deep. The cuts shall be parallel to each other and extend 2-feet beyond the edge of the trench.

2. Pavement shall be removed in an approved manner.

3. Trench depth shall provide 2-feet minimum cover over conduits.

4. Trench width shall be 4-inches or the conduit diameter plus 2-inches, whichever is larger.

5. Trenches located within paved Roadway areas shall be backfilled with Controlled density fill (CDF) meeting the requirements of Section 2-09.3(1)E. The controlled density fill shall be placed level to, and at the bottom of the existing pavement. The pavement shall be replaced with paving material that matches the existing pavement.

On new construction, conduit shall be placed prior to placement of base course pavement.

Conduit terminating in foundations shall extend a maximum of 2-inches above the foundation vertically including grounded end bushing or end bell. Conduit stub-outs within cabinet foundations shall be placed so that they do not interfere with cabinet installation. Modification of the cabinet to accommodate the stub-out placement is not allowed.
Conduit entering through the bottom of a junction box shall be located near the end walls to leave the major portion of the box clear. At all outlets, conduit shall enter from the direction of the run, terminating 6 to 8-inches below the junction box lid and within 3-inches of the box wall nearest its entry location.

Galvanized rigid steel conduit entering cable vaults shall extend 2-inches for the installation of grounded end bushing and bonding. PVC or HDPE conduit entering cable vaults and pull boxes shall terminate flush with the inside walls of the Structure. All conduit ends shall be terminated with termination kits.

Steel conduit entering concrete shall be wrapped in 2-inch wide pipe wrap tape with a minimum 1-inch overlap for 12 inches on each side of the concrete face. Pipe wrap tape shall be installed per the manufacturer’s recommendations.

Innerduct conduit ends shall be terminated with termination kits. Galvanized rigid steel conduit ends shall be terminated with grounded end bushings. PVC conduit ends shall be terminated with end bell bushings.

Fittings shall be installed in accordance with the current electrical codes. All covered underground conduit shall be cleaned with an approved sized mandrel and blown out with compressed air prior to pulling wire.

Conduits installed for future use shall be prepared according to this Section. After final assembly in place, the conduit shall be blown clean with compressed air. Then, in the presence of the Engineer, a cleaning mandrel correctly sized for each size of conduit shall be pulled through to ensure that the conduit has not been deformed. As soon as the mandrel has been pulled through, both ends of the conduit shall be sealed with conduit caps. All conduits scheduled for future use shall originate in a foundation or junction box as detailed in the Plans and terminate in a junction box. All equipment grounding conductors, and the bonding conductor for metallic conduits shall be bonded in all junction boxes in accordance with Section 8-20.3(9).

Where surface mounting of conduit is required, supports shall consist of channel with clamps sized for the conduit. Support spacing shall comply with the Code, with the exception that spacing of channel supports for conduit shall not exceed 5-feet.

The minimum distance between adjacent clamps and between the clamp and the end of the channel supports shall be 1-inch. Channel supports shall be installed with stops, to prevent clamps from sliding out of the ends. Existing conduit in place scheduled to receive new conductors shall have any existing conductors removed and a cleaning mandrel sized for the conduit shall be pulled through.

All conduits attached to or routed within bridges, retaining walls, and other concrete structures, shall be equipped with approved expansion, deflection, and or combination expansion/deflection fittings at all expansion joints and at all other joints where structure movement is anticipated, including locations where the Contractor, due to construction method, installs expansion and/or construction joints with movement. All conduit fittings shall have movement capacity appropriate for the anticipated movement of the structure at the
joint. Approved deflection fittings shall also be installed at the joint between the bridge end and the retaining wall end, and the transition from bridge, wall or other concrete structure to the underground section of conduit pipe.

Conduit runs shown in the Plans are for Bidding purposes only and may be changed, with approval of the Engineer, to avoid obstructions.

Where conduit with innerduct is installed a maximum of 1000-feet of continuous open trench will be allowed, unless otherwise approved by the Engineer. All conduit with innerduct exposed above grade level, or on any elevated Structures, or as noted in the Plans shall be galvanized rigid steel conduit.

Detectable underground warning tape shall be placed 12-inches above all conduit that contains fiber optic cable and all conduits identified to contain future fiber optic cable unless otherwise detailed in the Plans. Detectable underground warning tape shall extend 2-feet into boxes. Splicing shall be per the tape manufacturer's recommended materials and procedures. The warning tape shall be polyethylene with a metallic backing. The polyethylene shall have a minimum 4-mils thicknesses and be 3-inches wide. The polyethylene shall be orange in color and printed in black with the words conveying message of Fiber Optic Cable Buried Below.

Location 14 AWG stranded orange USE insulated wire shall be placed in continuous lengths directly above all non-metallic conduit that contains fiber optic cable and all conduits identified to contain future fiber optic cable unless otherwise detailed in the plans. Location wire shall extend 8 feet into boxes. Coil and secure location wire at the entrance and exit points of all boxes. Splices shall be crimped using a non-insulated butt splice, soldered and covered with moisture blocking heat shrink.

After final assembly in place, all innerducts shall be blown clean with compressed air. Then, in the presence of the Engineer, a cleaning mandrel, correctly sized for the innerduct, shall be pulled through to ensure that the conduit has not been deformed. As soon as the mandrel has been pulled through, a 200-lb. minimum tensile strength pull string shall be installed in each innerduct and attached to duct plugs at both ends of the innerduct.

At all innerduct conduit terminus points, including those in cable vaults and pull boxes, removable and reusable mechanical plugs shall be employed as follows:

1. Outerduct conduits shall be plugged using a quadplex expansion plug inside the conduit around the innerduct.

2. Duct plugs shall be installed in all unused innerducts (those that are specified as empty) at the time of conduit installation.

3. Duct plugs shall be installed in all used innerducts (as specified in the Plans) at the time of conduit installation, unless cable pulling for those innerducts will commence within 48-hours.
Innerduct containing 1-cable shall be plugged using an expandable split plug. Innerducts with multiple cables shall be sealed with self-expanding waterproof foam. The waterproof foam shall not be placed more than 2-inches into the innerduct.

8-20.3(6) Junction Boxes, Cable Vaults, and Pull boxes
The third paragraph is revised to read:

Adjustments involving raising or lowering the junction boxes shall require conduit modification if the resultant clearance between the top of the conduit and the junction box lid becomes less than 6-inches or more than 10-inches in accordance with the Plans.

8-20.3(8) Wiring
The following new paragraph is inserted after the third paragraph:

All termination for traffic signal control systems shall follow the conductor sequence color code as shown in the following table.

<table>
<thead>
<tr>
<th>Conductor Number</th>
<th>Color Code</th>
<th>Color Trace</th>
<th>Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>R</td>
<td>Red</td>
<td>Red or Don’t Walk</td>
</tr>
<tr>
<td>2</td>
<td>O</td>
<td>Orange</td>
<td>Yellow or Spare</td>
</tr>
<tr>
<td>3</td>
<td>G</td>
<td>Green</td>
<td>Green or Walk</td>
</tr>
<tr>
<td>4</td>
<td>W</td>
<td>White</td>
<td>Neutral</td>
</tr>
<tr>
<td>5</td>
<td>B</td>
<td>Black</td>
<td>Ped Call or Spare</td>
</tr>
<tr>
<td>6</td>
<td>Wb</td>
<td>White/Black</td>
<td>Neutral or Spare</td>
</tr>
<tr>
<td>7</td>
<td>Bl</td>
<td>Blue</td>
<td>Ped Call or Spare</td>
</tr>
<tr>
<td>8</td>
<td>Rb</td>
<td>Red/Black</td>
<td>Red or Don’t Walk</td>
</tr>
<tr>
<td>9</td>
<td>Ob</td>
<td>Orange/Black</td>
<td>Yellow or Spare</td>
</tr>
<tr>
<td>10</td>
<td>Gb</td>
<td>Green/Black</td>
<td>Green or Walk</td>
</tr>
</tbody>
</table>

The first sentence in the fifth paragraph is deleted and replaced with the following:

Quick disconnect connectors shall be installed in the base of all poles supporting a luminaire.

Every conductor above ground potential shall be served by a fused quick disconnect kit.

Every conductor at ground potential shall be served by an unfused quick disconnect kit.

The sixth paragraph is revised to read:

Pole and bracket cable meeting the requirements of Section 9-29.3(2)D shall be installed between the quick disconnects and the luminaire and between the sign light hand hole and the isolation switch. In addition the conductors from the isolation switch and the sign light shall
be minimum AWG 14 meeting the requirements of Section 9-29.3(2)A or 9-29.3(2)B. Pole and bracket cable jacket shall be removed from the quick disconnect to within 2-inches below the support bracket clamp.

8-20.3(9) Bonding, Grounding
The second sentence in the second paragraph is revised to read:

Bonding jumpers and equipment grounding conductors meeting the requirements of Section 9-29.3(2)A.3 shall be minimum AWG 8 installed in accordance with the NEC.

8-20.3(13)D Sign Lighting
This section is revised to read:

Sign illumination equipment shall include fixtures, brackets, conduit, electrical wire, and other material required to make the sign lighting system operable. Sign illumination fixtures shall be fused according to the table in Section 9-29.7.

8-20.3(13)E Sign Lighting Luminaires
The first paragraph is deleted.

8-20.4 Measurement
The first paragraph is revised to read:

When shown as lump sum in the Plans or in the Proposal as illumination, intelligent transportation, or traffic signal system no specific unit of measurement will apply, but measurement will be for the sum total of all items for a complete system to be furnished and installed.

8-20.5 Payment
The bid item "Traffic Data Accumulation and Ramp Metering System ___" is deleted and replaced with the following:

"Intelligent Transportation System ____", lump sum.

The first sentence of the paragraph following the bid item “Traffic Signal System ___” lump sum, is revised to read:

The lump sum Contract price for “Illumination System, ____”, “Traffic Signal System ____”, “Intelligent Transportation System ____”, shall be full pay for the construction of the complete electrical system, modifying existing systems, or both, including sign lighting systems, as described above as shown in the Plans and herein specified including excavation, backfilling, concrete foundations, conduit, wiring, restoring facilities destroyed or damaged during construction, salvaging existing materials, and for making all required tests.
SECTION 9-07, REINFORCING STEEL
April 6, 2009

9-07.3 Epoxy Coated Steel Reinforcing Bars
The reference to ASTM A 06 in number 1. of the first paragraph is revised to ASTM A 706.

9-07.10 Prestressing Reinforcement Strand
The first sentence in the fourth paragraph is revised to read:

For every 5 reels furnished, one sample, not less than 5½-feet long, shall be sent to the
Engineer for testing.

9-07.11 Prestressing Reinforcement Bar
The fifth and sixth paragraphs are revised to read:

The Contractor shall supply a Manufacturer’s Certificate of Compliance in accordance with
Section 1-06.3 for each bar. The Contractor shall supply a Manufacturer’s Certificate of
Compliance in accordance with Section 1-06.3 for all nuts and couplers confirming
compliance with the specified strength requirement.

For each heat of steel for high-strength steel bar, the Contractor shall submit two samples,
each not less than 5½-feet long, to the Engineer for testing.

SECTION 9-23, CONCRETE CURING MATERIALS AND ADMIXTURES
April 6, 2009

9-23.6 Admixture for Concrete
This section including title is revised to read:

9-23.6 Chemical Admixtures for Concrete
Acceptance of chemical admixtures will be based on Manufacturer’s Certificate of
Compliance. If required by the Engineer, admixtures shall be sampled and tested before they
are used. A one-pint (500 milliliter) sample of the admixture shall be submitted to the
WSDOT Headquarters Materials Laboratory for testing 10 days prior to use. Chemical
Admixtures shall contain less than one percent chloride ion (Cl-) by weight of admixture.

This section is supplemented with the following new sub-sections.

9-23.6(1) Air Entraining Admixtures
Air Entraining Admixtures shall meet the requirements of AASHTO M 154 or ASTM C 260.

9-23.6(2) Type A Water-Reducing Admixtures
Type A Water-Reducing admixtures shall conform to the requirements of AASHTO M 194
Type A or ASTM C 494 Type A.
9-23.6(3) Type B Retarding Admixtures
Type B Retarding admixtures shall conform to the requirements of AASHTO M 194 Type B or ASTM C 494 Type B.

9-23.6(4) Type C Accelerating Admixtures
Type C Accelerating admixtures shall conform to the requirements of AASHTO M 194 Type C or ASTM C 494 Type C and only non-chloride accelerating admixtures shall be used.

9-23.6(5) Type D Water-Reducing and Retarding Admixtures
Type D Water-Reducing and Retarding admixtures shall conform to the requirements of AASHTO M 194 Type D or ASTM C 494 Type D.

9-23.6(6) Type E Water-Reducing and Accelerating Admixtures
Type E Water-Reducing and Accelerating admixtures shall conform to the requirements of AASHTO M 194 Type E or ASTM C 494 Type E and only non-chloride accelerating admixtures shall be used.

9-23.6(7) Type F Water-Reducing, High Range Admixtures
Type F Water-Reducing, High Range admixtures shall conform to the requirements of AASHTO M 194 Type F or ASTM C 494 Type F.

9-23.6(8) Type G Water-Reducing, High Range and Retarding Admixtures
Type G Water-Reducing, High Range and Retarding admixtures shall conform to the requirements of AASHTO M 194 Type G or ASTM C 494 Type G.

9-23.6(9) Type S Specific Performance Admixtures
Type S Specific Performance Admixtures shall conform to the requirements of ASTM C 494 Type S. When a Type S admixture is used a report on the performance characteristics of the Type S admixture shall be submitted along with the WSDOT concrete mix design (WSDOT Form 350-040). The report shall describe the performance characteristics and provide data substantiating the specific characteristics of the Type S admixture in accordance with ASTM C 494.

9-23.7 Air Entraining and Chemical Admixtures for Precast Prestressed Concrete
This section including title is revised to read:

9-23.7 Vacant

9-23.9 Fly Ash
This section is supplemented with the following:

Fly ash that exceeds the available alkalies limits set in AASHTO M 295 Table 2 may be used if they meet the tests requirements of Section 9-03.1(1). The optional chemical limits in AASHTO M 295 Table 2 do not apply to fly ash used in Controlled Density Fill.
SECTION 9-25, WATER
April 6, 2009

9-25.1 Water for Concrete
The first paragraph is revised to read:

Water for concrete, grout, and mortar shall be clear, apparently clean, and suitable for human consumption (potable). If the water contains substances that cause discoloration, unusual smell or taste, or other suspicious content, the Engineer may require the Contractor to provide test results documenting that the water meets the physical test requirements and chemical limits described in ASTM C1602 for non-potable water.

SECTION 9-29, ILLUMINATION, SIGNAL, ELECTRICAL
April 6, 2009

9-29.1 Conduit, Innerduct, and Outerduct
This section's content is deleted. This section is supplemented with the following:

Conduit shall be free from defects, including out of round, and foreign inclusions. Conduit shall be uniform in color, density, and physical properties. The inside shall be smooth and free from burrs which could damage cable during installation. Conduit ends shall be cut square to the inside diameter, and supplied with thread protectors. All conduit, conduit fittings, and associated hardware/appurtenances shall be listed by a Nationally Recognized Testing Laboratory.

9-29.1(1) Rigid Metal Conduit, Galvanized Steel Outerduct, and Fittings
Rigid metal conduit, shall be straight, and be rigid galvanized steel, or stainless steel, as required and bear the mark of a Nationally Recognized Testing Laboratory. Exterior and interior surfaces of the galvanized steel conduit, except threaded ends, shall be uniformly and adequately zinc coated by a hot-dip galvanizing process. The average of the zinc coating shall comply with Federal Specification WW-C-581d.

9-29.1(2) Rigid Metal Conduit Fittings and Appurtenances
Couplings for rigid metal type conduits may be either hot-dip or electroplated galvanized.

Conduit bodies and fittings for rigid steel conduit systems shall be listed by Nationally Recognized Testing Laboratory listed for wet locations, and shall be hot-dip galvanized malleable iron, or bronze. Conduit bodies shall have tapered threads, and include a bolt on cover with stainless steel screws and a neoprene gasket seal.

Grounding end bushings shall be bronze or galvanized malleable iron with copper, tinned copper, stainless steel, or integral lug with stainless steel clamping screw, mounting screw and set screw.

Conduit clamps and straps shall be type 304 or type 316 stainless steel or hot-dip galvanized. Two-hole type straps shall span the entire width of the support channel and attach to the
supports on both sides of the conduit with bolts and associated hardware. Two piece conduit clamps shall interlock with the support channel with a single bolt.

Conduit supports for surface mounted conduit shall be hot-dip galvanized or type 304 or type 316 stainless steel channel using type 304 or type 316 stainless steel bolts and spring nuts.

9-29.1(2) A Expansion Fittings, Deflection Fittings, and Combination Expansion/Deflection Fittings
Expasion fittings for rigid galvanized steel conduit shall be weather tight, with hot-dip galvanized malleable or ductile iron end couplings and body and shall allow for 4-inches of movement minimum (2-inches in each direction). Expansion fittings for rigid galvanized steel conduit shall have an external tinned copper bonding jumper or an internal tinned copper bonding jumper. The internal tinned copper bonding jumper shall not reduce the conduit conductor capacity.

Deflection fittings for rigid galvanized steel conduit shall be weather tight, with hot-dip galvanized ductile iron or bronze end couplings, with molded neoprene sleeve, stainless steel bands and internal tinned copper bonding jumper. Deflection fittings shall provide for conduit movement of 3/4-inch in all directions and angular movement of 30 degree in any direction.

A combination of a deflection and an expansion fitting for rigid galvanized steel conduit shall be assembled from a deflection fitting and an expansion fitting as defined above.

The bonding jumper used for expansion fittings and combination expansion deflection fittings shall be a tinned copper braid attached to the conduit with a galvanized “U” bolt type connection designed for the application.

9-29.1(3) Flexible Metal Conduit
Liquidtight flexible metal conduit shall consist of a single strip of continuous flexible interlocked steel galvanized inside and out, forming a smooth internal wiring channel with a liquid tight covering of sunlight resistant flexible PVC conforming to NEC Article 350.

9-29.1(3)A Flexible Metal Conduit Appurtenances
Liquidtight connectors shall be the insulated throat type, conforming to NEC Article 350, and listed for wet locations.

9-29.1(4) Non-Metallic Conduit

9-29.1(4)A Rigid PVC Conduit
Rigid PVC conduit shall conform to NEMA TC 2 and ASTM F 2136, and UL 651. Fittings shall conform to NEMA TC-3, and be UL 514C and UL 651.

PVC solvent cement shall meet ASTM D 2564 including note 8 (label to show pipe sizes for which the cement is recommended).

9-29.1(4)B HDPE Conduit
HDPE conduit shall be listed by a Nationally Recognized Testing Laboratory. Couplings for HDPE shall be mechanical and listed for use with HDPE.
Aluminum mechanical couplings are prohibited.

9-29.1(5) Innerduct and Outerduct
The innerduct system shall be factory-installed and shall be designed so that expansion and contraction of the innerducts takes place in the coupling body to eliminate compatibility problems. The conduit coupling body shall have a factory-assembled gasket that is multi-stage and anti-reversing, sealing both the outerduct and innerducts. A secondary mid-body O-ring gasket shall be seated into the coupling body and shall hold the coupling body firmly in the outerduct.

All fittings, adapters, and bends (sweeps) shall be provided and shall be manufactured from the same materials and manufacturing process as the conduit, except as specified otherwise. The conduit system shall be a complete system with the following accessories:

Manhole Terminator Kits
Deflection Fittings
Offset Fittings
Expansion/Contraction Fittings
Repair Kits
Conduit and Innerduct Plugs
Pull string
Pull rope
Conduit spacers
Split Plugs

9-29.1(5)A Rigid Galvanized Steel Outerduct with PVC or PE Innerduct
Each section of steel outerduct shall be supplied with one reversing spin coupling that allows straight sections and fittings to be joined without spinning the conduit. The reversing coupling shall be galvanized and have three setscrews or a lock nut ring to lock the coupling in place. Setscrews or lock nut ring shall be galvanized or stainless steel and insure continuous electrical ground. The couplings shall be galvanized steel with the same material properties as the conduit.

The conduit system shall be designed so that assembly of components can be accomplished in the following steps:

1. Loosen setscrews or lock nut ring on coupling and spin back to allow for insertion.
2. Spin coupling mating sections forward to bottom.
3. Tighten setscrews on lock nut ring.

9-29.1(5)B Rigid PVC Outerduct with PVC or PE Innerduct
Protective outerduct for schedule 40 PVC and schedule 80 PVC conduit outerduct shall be 4-inch with a minimum 5-inch extended integral “bell end” and shall be gray in color. The outerduct minimum wall thickness shall be 0.23-inch for Schedule 40 PVC and 0.32-inch for Schedule 80 PVC.
Conduit and fittings for PVC outerduct shall be manufactured with an ultraviolet inhibitor.

The coupling body for PVC outerduct shall include a factory-assembled, multi-stage gasket that is anti-reversing, sealing both the outer and innerducts. A secondary mid-body gasket shall be seated at the shoulder of the bell to assure air and water integrity of the system. The bell end and the coupling body assembly shall accept a minimum of 5-inches of the spigot end.

The conduit system shall be designed so that straight sections and fittings will assemble without the need for lubricants or cement.

PVC outerduct shall have a longitudinal print-line that denotes “Install This Side Up” for proper innerduct alignment. PVC outerducts shall have a circumferential ring on the spigot end of the duct to provide a reference point for ensuring the proper insertion depth when connecting conduit ends. The line shall be a minimum of 5-inches from the end of the conduit.

9-29.1(5)C Innerduct for Straight Sections of Galvanized Steel Outerduct or PVC Outerduct
The innerducts shall have a minimum outside diameter of 1.25-inch, and a minimum inside diameter of 1.2-inch. Larger diameter innerducts may be provided if the wall thickness and diameter tolerances are met. The tolerance for inside and outside diameters shall be 0.005-inch. The innerducts shall have a minimum wall thickness of 0.060-inch. Innerduct shall be color coded and shall index a minimum of one innerduct with a different color. Alternate color codes are permitted as long as the color codes are contiguous between adjacent junction boxes. The innerducts shall be factory installed in the outerduct.

Dynamic coefficient of friction of innerducts shall be tested in accordance with Telcordia GR-356-CORE procedure. The coefficient of friction shall be less than 0.30 between medium density polyethylene jacketed fiber optic cable and the prelubricated innerduct. The coefficient of friction shall be less than 0.10 between the ¼-inch diameter polypropylene rope (suitable for fiber optic cable pulling) and the prelubricated innerduct. Pull rope used for testing (meeting the 0.10 coefficient of friction requirement) shall be the same type as the pull rope used for cable installation. The Contractor shall provide as part of the conduit submittals a certificate of compliance with these coefficient of friction requirements.

The innerduct shall have a smooth, non-ribbed interior surface, with a factory prelubricated coating. The coating shall provide the required dynamic coefficient of friction.

Innerduct shall be extruded polyvinyl chloride (PVC) or polyethylene (PE).

The coupling body for the innerduct shall be factory assembled in the bell end of the outerduct and shall be manufactured from a high impact engineered thermoplastic. The coupling body face shall be supplied with lead-ins to facilitate assembly.

All outerduct shall be marked with data traceable to plant location.
9-29.1(5)D Conduit with Innerducts Fittings and Appurtenances
Duct plugs shall be polypropylene and be equipped with a neoprene or polyurethane gasket. Plugs shall be equipped with an attachment to secure the pull rope in the innerduct. The plug shall withstand 5 psi.

9-29.1(5)D1 Bends for 4-inch PVC Conduit with Innerducts or Galvanized Steel Conduit with Innerducts
All bend radii shall be 36-inches or greater. The conduit system shall provide a complete line of fixed and flexible sweeps with system compatible bell and spigot or threaded ends. The bends shall contain high-temperature burn-through-resistant innerducts manufactured from PVC, PE, or Nylon-66. The innerducts shall meet all other requirements for innerduct In Sections 9-29.1(1) and 9-29.1(5)A.

9-29.1(5)D2 Prefabricated Fixed and Flexible Bends (for Innerducts)
The prefabricated standard fixed PVC bends shall have a radius between 4-feet and 9-feet and sweep angles of 11.25-degree, 22.5-degree, 45-degree, or 90-degree.
Flexible bends shall be prefabricated. These conduits may be field bent to a uniform radius no less than 4-feet. The field bend shall be no greater than 90-degrees. Grounding shall be continuous in flexible bends. Outerduct for flexible ends shall be manufactured from reinforced PVC. Expansion and Deflection fittings for rigid galvanized steel conduit with innerduct shall be provided in accordance with 9-29.1(2)A.

9-29.1(6) Detectable Underground Warning Tape
Detectable Underground Warning tape shall be Orange imprinted in black lettering with the message; “FIBER OPTIC CABLE BURIED BELOW” or equal. The warning tape shall be polyethylene with a metallic backing. The polyethylene shall be a minimum 4-mils thick and 3-inches wide.

9-29.1(7) Steel Casings
Steel casing material shall conform to ASTM A 252 Grade 2 or 3 or casing as approved by the Engineer. The Contractor shall furnish pipe of adequate thickness to withstand the forces exerted by the boring operation as well as those forces exerted by the earth during installation and shall be a minimum of 3⁄4-inch thick. All joints shall be welded by a welder qualified in accordance with AWS D1.1 structural welding code, section 3.

9-29.1(8) Drilling Fluid
Drilling fluid used for directional boring shall be an inert mixture of water and bentonite clay, conforming to the drilling equipment manufacturers recommendations.

9-29.3 Conductors, Cable
This section's content is deleted. This section's title is revised to read:

9-29.3 Fiber Optic Cable, Electrical Conductors, and Cable

9-29.3(1)A Singlemode Fiber Optic Cable
This section is revised to read:
Singlemode fibers utilized in the cables specified herein shall be fabricated from 100 ksi proof stress glass and primarily composed of silica which shall provide a matched clad index of refraction (n) profile and the following physical and performance characteristics:

1. Maximum Attenuation: 0.4/0.3 dB/km at 1310/1550 nanometers, respectively;

2. Typical Core Diameter: 8.3 microns;

3. Cladding Diameter: 125 micron;

4. Core-to-Cladding Offset (Defined as the distance between the core center and the cladding center: < 0.8 microns;

5. Cladding Non-Circularity (Defined as \(1-\{(\text{minimum cladding diameter} - \text{maximum cladding diameter})\} \times 100\%\): < 2.0%;

6. Coating Diameter of 250 microns ± 15 microns with a minimum coating thickness at any point of not less than 50 microns;

7. The coating shall be a dual-layered, UV-cured acrylate applied by the fiber manufacturer; and,

8. The coating shall be mechanically or chemically strippable without damaging the fiber.

9-29.3(2) Twisted-Pair (TWP) Copper Cable
This section's content is deleted. This section's title is revised to read:

9-29.3(2) Electrical Conductors and Cable
This section is supplemented with the following new sub-sections:

9-29.3(2)A Single Conductor

9-29.3(2)A1 Single Conductor Current Carrying
All current carrying single conductors shall be stranded copper conforming to ASTM B3 and B8. Insulation shall be chemically XLP (cross-linked polyethylene) or EPR (Ethylene Propylene Rubber) Type USE rated for 600 volt.

9-29.3(2)A2 Grounding Electrode Conductor
Grounding electrode conductor shall be bare or insulated stranded copper. The insulation shall be green or green with a yellow tracer.

9-29.3(2)A3 Equipment Grounding and Bonding Conductors
Equipment grounding and bonding jumper conductors shall be bare or green insulated, stranded copper with cross-linked polyethylene insulation rated USE and 600 volts, with the exception that the equipment grounding and bonding jumper conductors installed between junction box, pull box, or cable vault frame and lids shall be tinned, braided copper.
9-29.3(2)A Location Wire
Location wire shall be a single stranded copper size AWG 14 insulated conductor. The insulation shall be type USE Orange in color.

9-29.3(2)B Multi-Conductor Cable
Two conductor through 10 conductor unshielded signal control cable shall conform to International Municipal Signal Association (IMSA) signal cable Specification 20-1.

9-29.3(2)C Aluminum Cable Steel Reinforced
Triplex or Quadruplex type ACSR neutral self-supporting aerial conductors of the appropriate size for aluminum conductors shall be used where required in the Contract. The neutral conductor shall be the same size as the insulated conductor. All conductors shall be stranded.

9-29.3(2)D Pole and Bracket
Pole and bracket cable shall be a two-conductor cable rated for 600 volts. The individual conductors shall be one red and one black 19-strand No. 10 AWG copper, assembled parallel. The conductor insulation shall be 45-mil polyvinyl chloride or a 600 volt rated cross-linked polyethylene. The Jacketing shall be polyethylene or polyvinyl chloride not less than 45-mils thick. If luminaires with remote ballasts are specified in the Contract, this same cable shall be used between luminaire and ballast for both timber and ornamental pole construction. If the luminaire requires fixture wire temperatures greater than 75°C, the outer jacket shall be stripped for that portion of the cable inside the luminaire. The single conductors shall then be sheathed with braided fiberglass sleeving of the temperature rating recommended by the luminaire manufacturer.

9-29.3(2)E Two-Conductor Shielded
Two conductor shielded (2CS) cable shall have 14 AWG (minimum) conductors and shall conform to IMSA Specification No. 50-2.

9-29.3(2)F Detector Loop Wire
Detector loop wire may be 12 or 14 AWG stranded copper wire, IMSA 51-3

9-29.3(2)G Four-Conductor Shielded Cable
Four conductor shielded cable (4CS) shall consist of a cable with four 18 AWG conductors with polypropylene insulation, an aluminized polyester shield, water blocking material in the cable interstices, and a 26-mil minimum outer jacket of polyethylene. The four-conductor assembly shall be twisted 6 turns per foot. Each conductor shall have a different insulation color. Overall cable diameter shall be 0.25-inch maximum. Capacitance between adjacent pairs shall be 18 pf per foot and 15 pf per foot between diagonal pairs. The capacitances shall not vary more than 10 percent after a 10-day immersion test with ends exposed in a saturated brine solution.

9-29.3(2)H Three-Conductor Shielded Cable
Three-conductor shielded cable (3CS) for the detector circuit for optical fire preemption receivers shall consist of three 20 AWG conductors with aluminized mylar shield and one No. 20 drain wire, all enclosed with an outer jacket. All wires shall be 7 X 28 stranded tinned copper material. Conductor insulation shall be rated 75°C, 600 volt. The drain wire shall be uninsulated. Conductor color coding shall be yellow, blue, and orange. DC resistance of any
conductor or drain wire shall not exceed 11 ohms per 1,000-feet. Capacitance from one
cable to the other two conductors and shield shall not exceed 48 pf per foot. The jacket
shall be rated 80 degree C, 600 volt, with a minimum average wall thickness of 0.045-inch.
The finished outside diameter of the cable shall be 0.3-inch maximum.

9-29.3(2)I Twisted Pair Communications Cable
Twisted Pair Communications Cable shall meet RUS Specification 1755.390 and shall be
AWG22 conductor. The cable shall have a petroleum compound completely filling the inside
of the cable and rated for OSP (Outside Plant) applications.

9-29.6 Light and Signal Standards
This section is supplemented with the following:

1. Materials for steel light and signal standards, and associated anchorage and fastening
   hardware, shall conform to Sections 9-29.6(1), 9-29.6(2) and 9-29.6(5) unless otherwise
   specified in one of the following documents:

   1. The steel light and signal standard fabricator's pre-approved plan as approved by the
      Washington State Department of Transportation and as identified in the Special
      Provisions.

   2. The steel light and signal standard fabricator's shop drawing submittal, including
      supporting design calculations, as submitted in accordance with Sections 6-01.9 and
      8-20.2(1) and the Special Provisions, and as approved by the Engineer.
Special Provisions
SPECIAL PROVISIONS

The following Special Provisions are made a part of this contract and supersede any conflicting provisions of the 2008 Standard Specifications for Road, Bridge and Municipal Construction, and the foregoing Amendments to the Standard Specifications.

Several types of Special Provisions are included in this contract; General, Region, Bridges and Structures, and Project Specific. Special Provisions types are differentiated as follows:

(date) General Special Provision
(******) Notes a revision to a General Special Provision
and also notes a Project Specific Special
(Regions¹ date) Region Special Provision
(BSP date) Bridges and Structures Special Provision

General Special Provisions are similar to Standard Specifications in that they typically apply to many projects, usually in more than one Region. Usually, the only difference from one project to another is the inclusion of variable project data, inserted as a “fill-in”.

Region Special Provisions are commonly applicable within the designated Region. Region designations are as follows:

Regions¹
ER Eastern Region
NCR North Central Region
NWR Northwest Region
OR Olympic Region
SCR South Central Region
SWR Southwest Region
WSF Washington State Ferries Division

Bridges and Structures Special Provisions are similar to Standard Specifications in that they typically apply to many projects, usually in more than one Region. Usually, the only difference from one project to another is the inclusion of variable project data, inserted as a “fill-in”.

Project Specific Special Provisions normally appear only in the contract for which they were developed.

DIVISION 1
GENERAL REQUIREMENTS

DESCRIPTION OF WORK

(March 13, 1995)

This contract provides for the improvement of the Elephant Mountain Communication Site and other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications.
FUNDS
(******)
Payment in Lieu of Taxes (PILT) funds and Equipment Rental, and Revolving Funds are involved
in the construction of these improvements. This project is funded with Grant Funding and the
Engineer reserves the right to reject any and all Bids based on funding available.

1-01 DEFINITIONS AND TERMS

1-01.3 Definitions
(September 12, 2008 APWA GSP)

This Section is supplemented with the following:

All references in the Standard Specifications to the terms “State”, “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 “State Materials Laboratory” shall be revised to read “Contracting Agency
designated location”.

The venue of all causes of action arising from the advertisement, award, execution, and
performance of the contract shall be in the Superior Court of the County where the Contracting
Agency’s headquarters are located.

Additive
A supplemental unit of work or group of bid items, identified separately in the 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 proposal,
from which the Contracting Agency may make a choice between different methods or material
of construction for performing the same work.

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.

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, and only minor incidental work, replacement of temporary substitute facilities, 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.

Notice of Award
The written notice from the Contracting Agency to the successful bidder signifying the Contracting Agency's acceptance of the bid.

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
(March 25, 2009 APWA GSP)

Bidders must meet the minimum qualifications of RCW 39.04.350(1), as amended:
“Before award of a public works contract, a bidder must meet the following responsibility criteria to be considered a responsible bidder and qualified to be awarded a public works project. The bidder must:

(a) At the time of bid submittal, have a certificate of registration in compliance with chapter 18.27 RCW;
(b) Have a current state unified business identifier number;
(c) If applicable, have industrial insurance coverage for the bidder’s employees working in Washington as required in Title 51 RCW; an employment security department number as required in Title 50 RCW; and a state excise tax registration number as required in Title 82 RCW; and
(d) Not be disqualified from bidding on any public works contract under RCW 39.06.010 or 39.12.065(3).”

1-02.2 Plans and Specifications
(October 1, 2005 APWA GSP)

Delete this section and replace it with the following:

Information as to where Bid Documents can be obtained or reviewed will 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:

<table>
<thead>
<tr>
<th>To Prime Contractor</th>
<th>No. of Sets</th>
<th>Basis of Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reduced plans (17&quot; x 11&quot;) and Contract Provisions</td>
<td>4</td>
<td>Furnished automatically upon award.</td>
</tr>
<tr>
<td>Large plans (22&quot; x 34&quot;) and Contract Provisions</td>
<td>0</td>
<td>Furnished only upon request.</td>
</tr>
</tbody>
</table>

Additional plans and Contract Provisions may be purchased by the Contractor by payment of the cost stated in the Call for Bids.

1-02.4 Examination of Plans, Specifications, and Site of Work
Section 1-02.4 is supplemented with the following:

(******)
A Pre-Bid meeting on the project site is scheduled June 17, 2009 at 10:00 A.M. The Contractor shall indicate on the Bid Documents Proposal page 2 that they were or were not in attendance at the Pre-Bid meeting on the project site.

1-02.5 Proposal Forms
(October 1, 2005 APWA GSP)

Delete this section and replace it with the following:

At the request of a bidder, the Contracting Agency will provide a proposal form for any project on which the bidder is eligible to bid.
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 forms unless otherwise specified.

Any correction to a bid made by interlineation, alteration, or erasure, shall be initialed by the signer of the bid. 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.

**1-02.7 Bid Deposit**

(October 1, 2005 APWA GSP)

Supplement this section 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.

If so stated in the Contract Provisions, bidder must use the bond form included in the Contract Provisions.
1-02.9  Delivery of Proposal
(October 1, 2005 APWA GSP)

Revise the first paragraph to read:

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

1-02.12  Public Opening of Proposal
Section 1-02.12 is supplemented with the following:

(******)
The Bid opening date for this project shall be June 24, 2009.
Sealed bids are to be received at the following location before the time specified:

Yakima County Road Engineer's Office, Fourth Floor Yakima County Courthouse,
128 North 2nd Street, Yakima, Washington 98901, until 2:00 p.m. of the bid opening date.

The County shall not consider proposals it receives after the time specified above. No
Oral, telephone, facsimile, or telegraphic bids or modifications shall be considered or
accepted.

The Bids will be publicly opened and read after 2:00 P.M. on this date.

1-02.13  Irregular Proposals
(March 25, 2009 APWA GSP)

Revise item 1 to read:

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, Minority or Women's Business Enterprise Certification, if applicable, as required in Section 1-02.6;
   i. The Bid Proposal does not constitute a definite and unqualified offer to meet the material terms of the Bid invitation; or
   j. More than one proposal is submitted for the same project from a Bidder under the same or different names.
1-02.14 Disqualification of Bidders
(March 25, 2009 APWA GSP, Option B)

Delete this Section and replace it with the following:

A Bidder will be deemed not responsible if:
1. the Bidder does not meet the mandatory bidder responsibility criteria in RCW 39.04.350(1), as amended; or
2. evidence of collusion exists with any other Bidder or potential Bidder. Participants in collusion will be restricted from submitting further bids; or
3. the Bidder, in the opinion of the Contracting Agency, is not qualified for the work or to the full extent of the bid, or to the extent that the bid exceeds the authorized prequalification amount as may have been determined by a prequalification of the Bidder; or
4. an unsatisfactory performance record exists based on past or current Contracting Agency work or for work done for others, as judged from the standpoint of conduct of the work; workmanship; or progress; affirmative action; equal employment opportunity practices; termination for cause; or Disadvantaged Business Enterprise, Minority Business Enterprise, or Women's Business Enterprise utilization; or
5. there is uncompleted work (Contracting Agency or otherwise), which in the opinion of the Contracting Agency might hinder or prevent the prompt completion of the work bid upon; or
6. the Bidder failed to settle bills for labor or materials on past or current contracts, unless there are extenuating circumstances acceptable to the Contracting Agency; or
7. the Bidder has failed to complete a written public contract or has been convicted of a crime arising from a previous public contract, unless there are extenuating circumstances acceptable to the Contracting Agency; or
8. the Bidder is unable, financially or otherwise, to perform the work, in the opinion of the Contracting Agency; or
9. there are any other reasons deemed proper by the Contracting Agency.

As evidence that the Bidder meets the bidder responsibility criteria above, the apparent two lowest Bidders must submit to the Contracting Agency within 24 hours of the bid submittal deadline, documentation (sufficient in the sole judgment of the Contracting Agency) demonstrating compliance with all applicable responsibility criteria, including all documentation specifically listed in the supplemental criteria. The Contracting Agency reserves the right to request such documentation from other Bidders as well, and to request further documentation as needed to assess bidder responsibility.

The basis for evaluation of Bidder compliance with these supplemental criteria shall be any documents or facts obtained by Contracting Agency (whether from the Bidder or third parties) which any reasonable owner would rely on for determining such compliance, including but not limited to: (i) financial, historical, or operational data from the Bidder; (ii) information obtained directly by the Contracting Agency from owners for whom the Bidder has worked, or other public agencies or private enterprises; and (iii) any additional information obtained by the Contracting Agency which is believed to be relevant to the matter.
If the Contracting Agency determines the Bidder does not meet the bidder responsibility
criteria above and is therefore not a responsible Bidder, the Contracting Agency shall notify
the Bidder in writing, with the reasons for its determination. If the Bidder disagrees with this
determination, it may appeal the determination within 24 hours of receipt of the Contracting
Agency's determination by presenting its appeal to the Contracting Agency. The
Contracting Agency will consider the appeal before issuing its final determination. If the
final determination affirms that the Bidder is not responsible, the Contracting Agency will
not execute a contract with any other Bidder until at least two business days after the Bidder
determined to be not responsible has received the final determination.

1-03 AWARD AND 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 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 10 calendar days after the award date stated above, the
Contracting Agency may grant up to a maximum of 10 additional calendar days for return of the documents, provided the Contracting Agency deems the circumstances warrant it.

1-03.4 Contract Bond
(October 1, 2005 APWA GSP)

Revise the first paragraph to read:

The successful bidder shall provide an executed contract bond for the full contract amount. This contract bond shall:

1. Be on a Contracting Agency-furnished form;
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. Be conditioned upon the faithful performance of the contract by the Contractor within the prescribed time;
4. Guarantee that the surety shall indemnify, defend, and protect the Contracting Agency against any claim of direct or indirect loss resulting from the failure:
   a. Of the Contractor (or any of the employees, subcontractors, or lower tier subcontractors of the Contractor) to faithfully perform the contract, 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;
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 must be signed by the president or vice-president, unless accompanied by written proof of the authority of the individual signing the bond to bind the corporation (i.e., corporate resolution, power of attorney or a letter to such effect by the president or vice-president).

1-04 SCOPE OF THE WORK

1-04.1 Intent of the Contract
Section 1-04.1 is supplemented with the following:

(*****)
This contract provides for the improvement of the Elephant Mountain Communication Site by replacing the existing communications building. The Contractor shall coordinate the pick up of the new building being delivered by the manufacturer to a mutually agree upon location by the Contractor and the manufacturer. The Contractor shall notify the County of the time and the place of delivery so that the County can inspect the building prior to the Contractor taking possession of the building. This Contract shall include the transportation of the new building to the project site, the removal of a portion of an ice bridge post and foundation, the installation of power and telephone, the construction of a concrete foundation pad for the new building, the temporary removal of the existing antenna cables from the old building to the existing tower, setting the communications building, reinstalling the existing ice bridge from the existing ice bridge on the existing tower to the new building, reinstalling the existing antenna...
cables to the existing tower, removing the existing electrical cables from the existing generator
to the old building, intercepting the existing conduit from the existing generator to the old
building and installing a junction box, installing new conduit from the existing generator to the
new building, connecting the new facilities to the existing grounding system, placing gravel
over the entire site and other work, all in accordance with the attached Contract Plans, these

1-04.2 Coordination of Contract Documents, Plans, Special Provisions, Specifications,
and Addenda
(October 1, 2005 APWA GSP)

Revise the second paragraph to read:

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/APWA Standard Specifications for Road, Bridge and Municipal Construction,
7. Contracting Agency's Standard Plans (if any), and
8. WSDOT/APWA Standard Plans for Road, Bridge, and Municipal Construction.

1-05 CONTROL OF WORK

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.

1-05.13 Superintendents, Labor and Equipment of Contractor

(March 25, 2009 APWA GSP)

Revise the seventh paragraph to read:

Whenever the Contracting Agency evaluates the Contractor's qualifications pursuant to Section 1-02.14, it will take these performance reports into account.

1-05.15 Method of Serving Notices

(October 10, 2008 APWA GSP)

Revise the second paragraph to read:

All correspondence from the Contractor shall be directed to the Project Engineer. All correspondence to the Project Engineer's office must be in paper format, hand delivered or sent via mail delivery service. Electronic copies will be treated as informational only, and do not constitute official notice.

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.

Add the following new section:

1-05.17 Oral Agreements

(October 1, 2005 AWPA GSP)

No oral agreement or conversation with any officer, agent, or employee of the Contracting Agency, either before or after execution of the contract, shall affect or modify any of the terms or obligations contained in any of the documents comprising the contract. Such oral agreement or conversation shall be considered as unofficial information and in no way binding upon the Contracting Agency, unless subsequently put in writing and signed by the Contracting Agency.
Section 1-06 is supplemented with the following:

(August 6, 2007)

The major quantities of steel and iron construction material that is permanently incorporated into the project shall consist of American-made materials only. Buy America does not apply to temporary steel items, e.g., temporary sheet piling, temporary bridges, steel scaffolding and falsework.

The Contractor may utilize minor amounts of foreign steel and iron in this project provided the cost of the foreign material used does not exceed one-tenth of one percent of the total contract cost or $2,500.00, whichever is greater.

American-made material is defined as material having all manufacturing processes occurring domestically. To further define the coverage, a domestic product is a manufactured steel material that was produced in one of the 50 States, the District of Columbia, Puerto Rico, or in the territories and possessions of the United States. If domestically produced steel billets or iron ingots are exported outside of the area of coverage, as defined above, for any manufacturing process then the resulting product does not conform to the Buy America requirements. Additionally, products manufactured domestically from foreign source steel billets or iron ingots do not conform to the Buy America requirements because the initial melting and mixing of alloys to create the material occurred in a foreign country.

Manufacturing begins with the initial melting and mixing, and continues through the coating stage. Any process which modifies the chemical content, the physical size or shape, or the final finish is considered a manufacturing process. The processes include rolling, extruding, machining, bending, grinding, drilling, welding, and coating. The action of applying a coating to steel or iron is deemed a manufacturing process. Coating includes epoxy coating, galvanizing, aluminizing, painting, and any other coating that protects or enhances the value of steel or iron. Any process from the original reduction from ore to the finished product constitutes a manufacturing process for iron. Due to a nationwide waiver, Buy America does not apply to raw materials (iron ore and alloys), scrap (recycled steel or iron), and pig iron or processed, pelletized, and reduced iron ore.

The following are considered to be steel manufacturing processes:

1. Production of steel by any of the following processes:
   a. Open hearth furnace.
   b. Basic oxygen.
   c. Electric furnace.
   d. Direct reduction.

2. Rolling, heat treating, and any other similar processing.
3. Fabrication of the products.
   a. Spinning wire into cable or strand.
   b. Corrugating and rolling into culverts.
   c. Shop fabrication.

A certification of materials origin will be required for any items comprised of, or containing, steel or iron construction materials prior to such items being incorporated into the permanent work. The certification shall be on DOT Form 350-109EF provided by the Engineer, or such other form the Contractor chooses, provided it contains the same information as DOT Form 350-109EF.

1-06.2(2) Statistical Evaluation of Materials for Acceptance
(******)
Section 1-06.2(2) of the Standard Specifications is deleted.

1-07 LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC

1-07.2 State Sales Tax

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

1-07.2 State Sales Tax
(October 1, 2005 APWA GSP)

1-07.2(1) General

The Washington State Department of Revenue has issued special rules on the State sales tax. Sections 1-07.2(1) through 1-07.2(4) 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(3) describes this exception.

The Contracting Agency will pay the retained percentage 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 60.28.050). 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(2) 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(3) 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 road 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(4) 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:

(March 13, 1995)

No hydraulic permits are required for this project unless the Contractor's operations use, divert, obstruct, or change the natural flow or bed of any river or stream, or utilize any of the waters of the State or materials from gravel or sand bars, or from stream beds.

1-07.7 Load Limits

Section 1-07.7 is supplemented with the following:

(March 13, 1995)

If the sources of materials provided by the Contractor necessitates hauling over roads other than State Highways, the Contractor shall, at the Contractor's expense, make all arrangements for the use of the haul routes.
1-07.13 Contractor's Responsibility for Work

(August 6, 2001)

Repair of Damage

Section 1-07.13(4) is revised to read:

The Contractor shall promptly repair all damage to either temporary or permanent work as directed by the Engineer. For damage qualifying for relief under Sections 1-07.13(1), 1-07.13(2) or 1-07.13(3), payment will be made in accordance with Section 1-04.4. Payment will be limited to repair of damaged work only. No payment will be made for delay or disruption of work.

1-07.17 Utilities And Similar Facilities

(April 2, 2007)

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.

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:

Pacific Power
Mike Paulson
500 N Keyes Road
Yakima, WA 98901
(509) 575-3158

Qwest Telephone
Óscar Cuevas
8 South 2nd Avenue Room 304
Yakima, Wa 98902
(509) 575-7185

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

(May 10, 2006 APWA GSP)

1-07.18(1) General Requirements

A. The Contractor shall obtain the insurance described in this section from insurers approved by the State Insurance Commissioner pursuant to RCW Title 48. The insurance must be provided by an insurer with a rating of A-: VII or higher in the A.M. Best's Key Rating Guide, which is licensed to do business in the state of Washington (or issued as a surplus line by a Washington Surplus lines broker). The Contracting Agency reserves the right to approve or reject the
insurance provided, based on the insurer (including financial condition), terms and coverage, the Certificate of Insurance, and/or endorsements.

B. The Contractor shall keep this insurance in force during the term of the contract and for thirty (30) days after the Physical Completion date, unless otherwise indicated (see C. 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 Final Completion 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 insurance policies shall contain a "cross liability" provision.

E. The Contractor's and all subcontractors' insurance coverage shall be primary and non-contributory insurance as respects the Contracting Agency's insurance, self-insurance, or insurance pool coverage.

F. All insurance policies and Certificates of Insurance shall include a requirement providing for a minimum of 30 days prior written notice to the Contracting Agency of any cancellation in any insurance policy.

G. Upon request, the Contractor shall forward to the Contracting Agency a full and certified copy of the insurance policy(s).

H. The Contractor shall not begin work under the contract until the required insurance has been obtained and approved by the Contracting Agency.

I. 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.

J. 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 Professional Liability and Workers Compensation, shall name the following listed entities as additional insured(s):
- The Contracting Agency and its officers, elected officials, employees, agents, and volunteers
- Yakima County Department of Public Services
The above-listed entities shall be additional insured(s) for the full available limits of liability maintained by the Contractor, whether primary, excess, contingent or otherwise, 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 1-07.18(3) describes limits lower than those maintained by the Contractor.

1-07.18(3) Subcontractors
Contractor shall ensure that each subcontractor of every tier obtains and maintains at a minimum the insurance coverages listed in 1-07.18(5)A and 1-07.18(5)B. Upon request of the Contracting Agency, the Contractor shall provide evidence of such insurance.

1-07.18(4) Evidence of Insurance
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. The certificate and endorsements must conform to the following requirements:

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 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. A statement of additional insured status on an ACORD Certificate of Insurance shall not satisfy this requirement.

3. Any other amendatory endorsements to show the coverage required herein.

1-07.18(5) Coverages and Limits
The insurance shall provide the minimum coverages and limits set forth below. Providing coverage in these stated minimum limits shall not be construed to relieve the Contractor from liability in excess of such limits. 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 shall be the responsibility of the Contractor.

1-07.18(5)A Commercial General Liability
A policy of Commercial General Liability Insurance, including:

- Per project aggregate
- Premises/Operations Liability
- Products/Completed Operations – for a period of one year following final acceptance of the work.
- Personal/Advertising Injury
- Contractual Liability
- Independent Contractors Liability
- Stop Gap / Employers’ Liability
- Explosion, Collapse, or Underground Property Damage (XCU)
- Blasting (only required when the Contractor’s work under this Contract includes exposures to which this specified coverage responds)
Such policy must provide the following minimum limits:

- $1,000,000 Each Occurrence
- $2,000,000 General Aggregate
- $1,000,000 Products & Completed Operations Aggregate
- $1,000,000 Personal & Advertising Injury, each offence

Stop Gap / Employers’ Liability

- $1,000,000 Each Accident
- $1,000,000 Disease - Policy Limit
- $1,000,000 Disease - Each Employee

1-07.18(5)B Automobile Liability

Automobile Liability for owned, non-owned, hired, and leased vehicles, with an MCS 90 endorsement and a CA 9948 endorsement attached if “pollutants” are to be transported. Such policy(ies) must provide the following minimum limit:

- $1,000,000 combined single limit

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.

1-08 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
(October 10, 2008 APWA GSP)

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. A preliminary schedule of working drawing submittals; and
3. A list of material sources for approval if applicable.

1-08.4 Notice to Proceed and Prosecution of the Work
(October 1, 2005 APWA GSP)

Revise this section to read:

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.

1-08.5 Time For Completion
Section 1-08.5 is supplemented with the following:

(*****)
This project shall be physically completed prior to October 1, 2009.

1-08.9 Liquidated Damages
Section 1-08.9 is deleted and replaced with the following:

(*****)
Liquidated damages in the amount of $1,000.00 per calendar day shall be assessed for each
day the Contractor exceeds the completion date specified in the Contract.

1-09 MEASUREMENT AND PAYMENT

1-09.2 Weighting Equipment
(August 6, 2001)
General Requirements for Weighing Equipment
Section 1-09.2(1) is revised to read as follows:

Any highway or bridge construction materials to be proportioned or measured and paid for by
weight, shall be weighed on scales. These materials include natural, manufactured or
processed materials obtained from natural deposits, stockpiles, bunkers, or mixing plants. The
Contractor shall provide, set up, and maintain the scales necessary to perform the weighing or
shall designate permanently installed, certified commercial scales for the purpose. Each truck
to be weighed shall bear a unique identification number. This number shall be legible and in
plain view of both the scale operator and the person receiving the material at the jobsite.
Scales provided or designated by the Contractor shall be accurate to within one-half of one
percent throughout the range of use.
An agent of the scale manufacturer shall test and service any scale before its use at each new
site and then at 6-month intervals. The Contractor shall provide the Engineer a copy of the
final results after each test.
All initial weighing at the dispatch site or at another site approved by the Engineer shall be performed by a Contractor employee or by another person designated by the Contractor. The designated weigher shall prepare a weigh or load ticket to accompany each load. Each ticket shall contain the truck identification number, the date and time of weighing the load, a description of the material being weighed and the signature or initials of the weigher.

Each weigh or load ticket shall also contain a determination of the net weight of the load. This shall be a reading from any device which weighs as material is loaded or a calculation including gross weight and tare weight when the method of loading does not include weighing. It shall also identify the weighed material. When used, tare weights shall be taken of each hauling vehicle at least twice a day. The ticket shall be provided to the inspector at the jobsite immediately after the material is delivered.

Except as noted below, all weighing shall be subject to confirmation testing through random checks made with a separate scale. The secondary scale shall be described in the contract provisions, either as a designated independent commercial scale or as a platform scale installed by the Contractor at a location named in the provisions. The inspector will select loaded trucks at random and weigh them with the secondary scale. The same trucks will be weighed empty when the tested load has been delivered. The frequency of confirmation testing will be such that at least one test is performed for each contract item paid by weight for each $50,000 of payment for that item and at least one test weekly for each weighed contract item performed during that week.

Confirmation testing will not be routinely conducted for small quantities of weighed material. A small quantity shall be defined as one whose estimated proposal quantity, multiplied by its unit price, has a value of less than $20,000. The inspector may choose to apply confirmation testing to a minor quantity item if, in the inspector’s judgment, there is reason to suspect that the ticket weight might be incorrect.

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.

1-09.13(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.
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 the county in which the Contracting Agency's headquarters are located. 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.

DIVISION 2
EARTHWORK

2-07 WATERING

2-07.1 Description
Section 2-07.1 is supplemented with the following:

(*****)
The access road to the site shall be watered to control the dust anytime the Contractor uses the road. The Contractor shall be solely responsible for dust control on this project and shall protect the motoring public, adjacent homes, orchards and crops from damage due to dust, by whatever means necessary. The Contractor shall be responsible for any claims for damages and shall protect the County from any and all such claims.

The Contractor shall provide water for dust control and have equipment and manpower available to respond dust control measures.

If County forces are required to respond to a dust control problem, the Contractor shall be charged liquidated damages to offset County expenditures. For each time that the County is required to provide dust control measures, the Contractor shall be assessed damages in the amount of $500.00, which shall be deducted from any moneys due the Contractor under this contract.

2-07.3 Construction Requirements
Section 2-07.3 is supplemented with the following:

(*****)
The access road to the site shall include the Moxee Dump Road, the canalbank road, the road through the orchard to the point where the road starts to up the grade. This area shall be watered to control the dust.

2-07.4 Measurement
Section 2-07.4 is supplemented with the following:

(*****)
Watering shall not be measured for payment.
2-07.5 Payment
Section 2-07.5 is supplemented with the following:

(******)
There shall be no separate payment for watering. Payment for watering shall be included in
other Bid Items involved and no further payment shall be made.

DIVISION 8
MISCELLANEOUS CONSTRUCTION

8-20 ILLUMINATION, TRAFFIC SIGNAL SYSTEMS, AND ELECTRICAL

8-20.1 Description
Section 8-20.1 add the following to the first paragraph below Item 3.

(******)
4. Building Foundation
5. Installation of Communications Building
6. Miscellaneous Electrical

8-20.2 Materials
Section 8-20.2 is supplemented with the following:

(******)
The engineer reserves the right to call for a sample to be delivered within seven (7) calendar
days after notification whether in writing or by telephone conversation. It is the responsibility
of the Contractor to coordinate approvals, ordering, delivery dates, and installation of material
and equipment to produce an accepted workable complete system by the stated completion
date.

The County shall provide the following materials to be incorporated into the project by the
Contractor:

One (1) Thermo Bond communications building per the shop drawings in the attached
Appendix B. The building should be delivered on or before September 1, 2009. The Contractor
shall coordinate the delivery of the building with Doug Olson, Thermo Bond, P.O. Box 445,
Elk Point, SD 57025, Telephone number (800) 356-2686, extension 113 or Fax number (605)
356-2005. The Contractor shall notify the County in advance of the time and the place of
delivery so that the County can inspect the building prior to the Contractor taking possession
of the building.

8-20.3(1) General
Section 8-20.3(1) is supplemented with the following:

(******)
The Contractor shall obtain all required permits and licenses. All electrical work will require
inspection and approval by the Washington State Department of Labor and Industries,
Electrical Inspection Division.
8-20.4 Measurement
Section 8-20.4 is supplemented with the following:

(*****)
No specific unit of measurement will apply to the Bid Item, “Building Foundation”.

No specific unit of measurement will apply to the Bid Item, “Installation of Communications Building, Complete”.

No specific unit of measurement will apply to the Bid Item, “Miscellaneous Electrical”.

8-20.5 Payment
Section 8-20.5 is supplemented with the following:

(*****)
Add Bid Item, “Building Foundation”.

Add Bid Item, “Installation of Communications Building, Complete”.
Payment for this item shall include the transportation of the County furnished building to the project site, the removal of a portion of the ice bridge post and foundation, setting the communications building, reinstalling a portion of the existing ice bridge from the existing ice bridge on the existing tower to the new building.

Add Bid Item, “Miscellaneous Electrical”.

DIVISION 9
MATERIALS

APPENDICES
(July 12, 1999)
The following appendices are attached and made a part of this contract:

APPENDIX A:
Existing Ground Scheme, Sheet _1_ through Sheet _1_.

APPENDIX B:
County Furnished Thermobond Building Shop Drawings, Sheet _1_ through Sheet _11_.

APPENDIX C:
Yakima County Permit Services Building Permit No. BLD2009-00440
Page _1_ through Page _3_.

STANDARD PLANS
April 13, 2009

The State of Washington Standard Plans for Road, Bridge and Municipal Construction M21-01 transmitted under Publications Transmittal No. PT 09-013, effective April 6, 2009 is made a part of this contract.
The Standard Plans are revised as follows:

All Standard Plans
All references in the Standard Plans to "Asphalt Concrete Pavement" shall be revised to read "Hot Mix Asphalt".

All references in the Standard Plans to the abbreviation "ACP" shall be revised to read "HMA".

B-10.20 and B10.40
Substitute "step" in lieu of "handhold" on plan

C-1b
In the ANCHOR POST ASSEMBLY, the above ground 7 1/2" long bolt connecting the Wood Breakaway Post to the Foundation Tube is revised to 10" long.

C-2r
DELETED

C-2s
DELETED

C-2t
DELETED

C-3, C-3B, C-3C
Note 1 is revised as follows: replace reference F-2b with F-10.42

C-4a
DELETED

C-5
In the A CONNECTION, "Type 3 transition pay limit" is revised to "transition pay limit".

C-10 (sheet 2 of 2)
COVER PLATE DETAIL, dimension of the 1" dia. holes, changes from 8" to 3"

C-11c
DELETED

F-40.12 through F-40.18
The following note is added to these five plans:

Note 7. To the maximum extent feasible, the ramp cross slope shall not exceed 2%.

G-9a
DELETED

I-6f
DELETED
J-6g
DELETED

J-6h
DELETED

J-11a
DELETED

J-11c
DELETED

J-15a
DELETED

J-15b
DELETED

K-80.30-00
In the NARROW BASE, END view, the reference to Std. Plan C-8e is revised to Std. Plan K-80.35

L-20.10-00, Sheet 1
Delete all references to tension cable and substitute tension wire.
Add knuckled selvage is required on the top edge of the fence fabric.

L-20.10-00, Sheet 2
Delete all references to tension cable and substitute tension wire.
All rope thimbles, wire rope clips and seizing are not required.

L-30.10-00, Sheet 1
Delete all references to tension cable and substitute tension wire.

L-30.10-00, Sheet 2
Delete all references to tension cable and substitute tension wire.
All rope thimbles, wire rope clips and seizing are not required.

M-1.60
COLLECTOR DISTRIBUTOR ROAD OFF- CONNECTION, taper dimensions of 225’ MIN. is changed to 300’ MIN.

The following are the Standard Plan numbers applicable at the time this project was advertised.
The date shown with each plan number is the publication approval date shown in the lower right-hand corner of that plan. Standard Plans showing different dates shall not be used in this contract.

A-10.10-00.....8/07/07 A-30.30-00.....11/08/07 A-50.20-00.....11/17/08
A-10.20-00.....10/05/07 A-30.35-00.....10/12/07 A-50.30-00.....11/17/08
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APPENDIX A
APPENDIX B
**PROJECT**  
**YAKIMA COUNTY PUBLIC SERVICE**  
**JOB NO.**  
0903-57  
**SITE NAME**  
YAKIMA, WA  
**SIZE**  
11'-6" W O.D. X 24' L O.D. X 9'H I.D.

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**THermo BOND**  
P.O. Box 445 Elk Point, SD  
Date: 5/29/09  
Drawing Number: AGB8269  
Approved By: TUI  
Drawing Index: PAGE 1 OF 9
GENERAL NOTES

ELECTRICAL NOTES

2. ALL ELECTRICAL MATERIALS SHALL BE U.L. LISTED AND CLASSIFIED AS SUITABLE FOR THE PURPOSE SPECIFIED.
3. ALL WIRING SHALL BE SURFACE MOUNTED IN A RACEWAY OR EMT CONDUIT USING APPROVED CONNECTORS, COUPLINGS, AND CLAMPS. ALL CONDUIT SHALL BE ANCHORED IN PLACE AT APPROXIMATELY EVERY 4 FT.
4. ALL WIRING SHALL BE A SOLID CONDUCTOR, THHN OR THWN COPPER, NO SMALLER THAN A #12.
5. ALL WIRE RUNS SHALL BE CONTINUOUS.
6. LOW VOLTAGE WIRE MAY BE STRANDED.
7. ALL WIRING SHALL BE TESTED AND INSPECTED PRIOR TO SHIPMENT.
8. GREEN GROUND CONDUCTORS SHALL BE RUN TO ALL OF THE BUILDINGS A/C POWERED DEVICES. CONDUIT SHALL NOT BE USED AS THE SOLE SOURCE OF GROUND.
9. ALL ALARM DEVICES WIRING SHALL BE RUN IN ITS OWN CONDUIT TO THE ALARM CABINET.
10. GROUNDING MUST MEET R–56 GROUNDING REQUIREMENTS.
NOTES:
1. ALL DIMENSIONS ARE INSIDE DIMENSIONS.
2. ALL CONDUIT RUNS ARE APPROXIMATE AND MAY NOT REFLECT RUNS IN ACTUAL BUILDING.

PROJECT
YAKIMA COUNTY PUBLIC SERVICES
JOB NO.
0903-57
SITE
YAKIMA, WA

THERMO BOND
P.O. Box 445 Elk Point, SD

LIST OF MATERIAL

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<td>200A. MAIN INTERIOR DISCONNECT #02200N</td>
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<td>27.</td>
<td>1</td>
<td>4-1/2&quot; TELEPHONE BOARD</td>
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<tr>
<td>26.</td>
<td>1</td>
<td>10&quot; X 10&quot; ALARM CABINET W/65 PUNCH BLOCK (OPEN DOOR, POWER FAIL, SMOKE &amp; HI, LO TEMP)</td>
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<td>25.</td>
<td>4</td>
<td>23&quot; RELAY RACKS</td>
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<td>24.</td>
<td>8</td>
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<td>UPS POWERWAVE SYSTEM #9170 (6KV, 7.5KVA) N+1</td>
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<td>21.</td>
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<td>SMOKE DETECTOR</td>
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<td>19.</td>
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<td>FIRST AID KIT #EYEB1</td>
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<td>18.</td>
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<td>10# FIRE EXTINGUISHER #59001</td>
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<td>17.</td>
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<td>TWINLOCK RECEPTACLES (CEILING MOUNTED) #52900</td>
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<td>GFI RECEPTACLE (INTERIOR &amp; EXTERIOR)</td>
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<td>12&quot; CABLE LADDER RACK</td>
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<td>100 W. EXTERIOR LIGHT FIXTURE W/PEC CELL</td>
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<td>4&quot; SQUARE RACEWAY</td>
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<td>4', 2 BULB FLUORESCENT LIGHT FIXTURE</td>
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<td>3.</td>
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<td>3&quot; X 7&quot; STEEL INSULATED DOOR AND FRAME W/BAKED ON ENAMEL PAINT (PLYCO SERIES BB) W/S.S. BALL BEARING HINGES W/PERMANENT REMOVABLE PINS, SCHLAGE PASSAGE AND DEADBOLT</td>
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SHEET 1/4" = 1" INDOOR LAYOUT FOR 11'-6"W. X 24'L. X 9'H. BLDG.

5/29/09
5/29/09
TLM
AGSB269

Computer assisted drafting service
NOTES:
1. ALL DIMENSIONS ARE INSIDE DIMENSIONS.
2. ALL CONDUIT RUNS ARE APPROXIMATE AND MAY NOT REFLECT RUNS IN ACTUAL BUILDING.
### Panel Circuit Schedule

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### Wiring Schematic

**Main Panel**

- Pacific Power Transformer
- Pacific Power Meter Base
- External Disconnect
- Internal Disconnect
- Main Distribution Panel
- Automatic Transfer Switch
- UPS
- Sub-Separation Panel

**Sub Panel**

**Wiring Schematic**

**Project**

YAKIMA COUNTY PUBLIC SERVICES

**Job No.**

0903-57

**Site**

YAKIMA, WA

**Thermo Bond**

P.O. Box 445 Elk Point, SD

**Drawing Number:**

AC88269
3/4" T & C STUDDING - FLOOR NAILED TO FLOOR FRAMING WITH .131" X 3" NAILS

1/8" COMMERCIAL GRADE TILE

BOTTOM OF FLOOR IS 3/4" OSB PLYWOOD SEALED WITH ASPHALT UNDERCOATING AND A 18" X 16" X .011 WIRE MESH FOR RODENT PROTECTION

FLOOR PANEL

2 X 4'S X 16" O.C. R-11 FIBERGLASS INSULATION

INTERIOR FRP/OSB BOARD FASTENED TO 2 X 4'S W/8D FINISH NAIL

INTERIOR SEAM TRIM FASTENED TO SEAM

5/8" SHEETROCK

AGGREGATE PANEL SCREWED VERTICALLY 12" O.C. PERIMETER OVER STUDS AND 24" IN FIELD W/2" S.S. SCREWS

2 X 4'S X 16" O.C. R-11 FIBERGLASS INSULATION

1/4" Gap between aggregate panels filled with 1/4" x 1/4" Polyurethane caulk.

1/4" BULLETPROOF STEEL

2" AGGREGATE TRIM STRIP

1/2" Rated Sheathing Exposure 1 W/131" X 3" NAIL

HOUSE WRAP

NOTES:
1. ALL PLYWOOD SHALL BE NAILED EVERY 6" AROUND PERIMETER AND EVERY 12" IN FIELD.
2. HOUSE WRAP TO BE INSTALLED 1/8" BELOW SHEETING AND EXTEND TO TOP OF TOP PLATE. ALL SEAMS TO BE LAPPED 6" AND TAPE W/SEAM TAPE.
3. ALL SCREW HOLES THROUGH PANELS FILLED WITH POLYURETHANE CAULK PRIOR TO SCREW BEING INSTALLED.
4. ALL STRUCTURAL lumber SHALL BE SPF #1 OR #2.
**ROOF STRUCTURE END DETAIL**

- 3/4'' OSB PLYWOOD NAILED TO 2 X 4 WALLS W/131'' X 3'' NAILS.
- 2 X 4 CENTER LINE OF ROOF AND FASTENED TO ROOF WITH 8D NAILS EVERY 18'' O.C.
- 2 X 4 FASTENED TO FORM ROOF PITCH.
- 2 X 6 ROOF JOIST SPACED 18'' O.C.
- 1/4'' PLATE STEEL.
- 5/8'' SHEETROCK.
- 3/4'' SHEETROCK.

**ROOF STRUCTURE SIDE DETAIL**

- DOUBLE 2 X 4 TOP PLATE.
- 2 X 6 ROOF JOIST SPACED 18'' O.C.
- 2 X 4 ON CENTER LINE OF ROOF AND FASTENED TO ROOF WITH 8D NAILS EVERY 18'' O.C.

**NOTES:**
1. ALL PLYWOOD SHALL BE NAILED EVERY 6'' AROUND PERIMETER AND EVERY 12'' IN FIELD.
2. HOUSE WRAP TO BE INSTALLED 1/8'' BELOW SHEETING AND EXTEND TO TOP OF TOP PLATE. ALL SEAMS TO BE LAPPED 6'' AND TAPED W/SEAM TAPE.
3. ALL SCREW HOLES THROUGH PANELS FILLED WITH POLYURETHANE CAULK PRIOR TO SCREW BEING INSTALLED.
4. ALL STRUCTURAL LUMBER SHALL BE SPF #1 OR #2.
3/8" = 1' SCALE
TOP VIEW
WELDED ASSEMBLY

NOTES:
1. FINISH: PAINTED WITH RUST PREVENTATIVE PAINT.

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS SHOWN ON THIS DRAWING SHALL HAVE THE FOLLOWING TOLERANCE:
FRACTION ± 1/8"
ANGLE ± 2°

3" = 1' SCALE
SECTION "A-A"

3" = 1' SCALE
SECTION "B-B"
NOTES:
1. CONCRETE SHALL ATTAIN A MINIMUM ULTIMATE COMPRESSION STRENGTH OF 4000 PSI WITHIN 28 DAYS.
2. ALL WIRE MESH TO HAVE A MINIMUM OF 2" CONCRETE COVER.
APPENDIX C
Yakima County Permit Services  
Inspection Record Card  
Permission: BLD2009-00443  
Issue Date: 6/4/2009  
Expiration Date: 12/1/2009 12:00

Job Site Address: BEANE RD  
Owner: YAKIMA COUNTY PUBLIC WORKS  
128 N. 2ND STREET YAKIMA WA 98901

Contractor: SELECT CONTRACTOR BY SEALED BIDS

Description of Work: Yakima County/Equipment Bld 12' x 24' x 288sf prefab building inspected by Lnl. (Slab inspected by Yakima County Rd and provide inspection report to Bld. Dept) (CUP2005-81)

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NOTICE:
No building shall be occupied until the Building Official has conducted a Final inspection and issued a Certificate of Occupancy as required by Section 109 of the Uniform Building Code. Violation may result in criminal and civil penalties and remedies.

Legal Requirements related to inspections:
All construction or work for which a permit is required shall be subject to inspection by the building official and all such construction or work shall remain accessible and exposed for inspection purposes until approved by the building official.
Approval as a result of an inspection shall not be construed to be an approval of a violation of the provisions of the building code or of other ordinances of Yakima County. Inspections presuming to give authority to violate or cancel the provisions the building code or other ordinances of Yakima County shall not be valid.

It shall be the duty of the permit applicant to cause the work to remain accessible and exposed for inspection purposes. Neither the building official nor Yakima County shall be liable for any expense entailed in the removal or replacement of any material required to allow inspection.

Work requiring a permit shall not be commenced unless the permit holder or agent of the permit holder shall have posted or otherwise made available an inspection record card such as to allow the building official to conveniently make the required inspections of the work. This card shall be maintained by the permit holder until final approval has been granted by the building official.

It shall be the duty of the person doing the work authorized by a permit to notify the building official that such work is ready for inspection. All requests for inspection shall be made at least one working day before such inspection is desired. Such request may be in writing or by telephone.

It shall be the duty of the person requesting any inspections required by the building code to provide access and means for inspection of such work. Work shall not be done beyond the point indicated in each successive inspection without first obtaining the approval of the building official.

The building official, upon notification, shall make the requested inspections and shall either indicate that portion of the construction is satisfactory as completed, or shall notify the permit holder or an agent of the permit holder wherein the same fails to comply with the building code. Any portions that do not comply shall be corrected and such portion shall not be concealed or concealed until notified by the building official.

There shall be a final inspection and approval of all buildings and structures when completed and ready for occupancy and use.

Required Inspections:

**General**
Reinforcing steel or structural framework of any part of any building or structure shall not be covered or concealed without first obtaining the approval of the building official. Protection of joints and penetrations in fire-resistant assemblies shall not be concealed until inspected and approved.

**Set Back Inspection:**
To be made after excavations for footings are complete and any required forms shall be in place prior to the inspection. This inspection may be made at the time of the footing inspection.

**Footing and Foundation / Retaining wall inspection:**
To be made after all in-slab or under-floor building service equipment, conduit, piping accessories and other ancillary equipment items are in place, but before any concrete is placed on floor sheathing installed, including the subfloor.

**Concrete slab or under floor inspection:**
To be made after all in-slab or under-floor building service equipment, conduit, piping accessories and other ancillary equipment items are in place, but before any concrete is placed on floor sheathing installed, including the subfloor.

**Frame inspection:**
To be made after the roof, all framing, fire blocking and bracing are in place and all pipes, chimneys and vents are complete and the rough electrical, plumbing, and heating wires, pipes and ducts are approved.

**Insulation/energy:**
To be made after all insulation is in place and prior to covering concealed spaces.

**Final inspection:**
To be made after finish grading and the building is completed and ready for occupancy.

**Other inspections:**
BUILDING PERMIT

Yakima County Permit Services
128 N. 2nd Street, Fourth Floor Courthouse
Yakima, WA 98901  Phone: 574-2300  Fax: 574-2361
Inspection Request Line:  (509) 574-2370

Issued Date:  6/4/2009  Expiration Date:  12/1/2009
Date Printed:  06/04/2009

PROJECT DATA
Site Address  BEANE RD

Project Description  Yakima County/Equipment Bld 12'x 24' 288sf prefab building inspected by Lnf. (Slab inspected by Yakima County Rd and provide inspection report to Bld. Dept) (CUP2005-81)

Parcel Number  20121699992

Owner  YAKIMA COUNTY PUBLIC WORKS

128 N. 2ND STREET  YAKIMA WA 98901

BBL (509) 574-2300

CONTRACTOR  SELECT CONTRACTOR BY SEALED BIDS

License Number:  Exp. Date:

APPLICANT  YAKIMA COUNTY PUBLIC WORKS

128 N. 2ND ST. ROOM 408  YAKIMA WA 98901

PHI  509 574-2300

LENDER

BUILDING DATA

Description  NEW  Use  COM  Occ Group  U  Code Edition  IB06  Value  $5,000.00

Construction Type  V-B

# Stories  Height  # Units  # Bedrooms  # Bathrooms
1st Floor Area  288  Front Setback  50.00  
2nd Floor Area  Side #1 Setback  5.00  
3rd Floor Area  Side #2 Setback  5.00  
4th Floor Area  Rear Setback  5.00  
Basement Area  
Total Area  288

Conditions: Met/Not met  Extension of CUP2005-81 is required by the Planning Department prior to building permit issuance. 6-4-09 mmg

M

Conditions: Met/Not met  Extension of CUP2005-81 is required by the Planning Department prior to building permit issuance. 6-4-09 mmg

M
To be made after excavations for footings are complete and any required reinforcing steel is in place. For concrete foundations, any required forms shall be in place prior to the inspection. All materials for the foundation shall be on the job, except where concrete is ready mixed in accordance with approved nationally recognized standards, the concrete need not be on the job. Where foundations are to be constructed of approved treated wood, additional inspections may be required by the building official.

In addition to the called inspections specified above, the building official may make or require other inspections of any construction work to ascertain compliance with the provisions of the building code and any other laws which are enforced by the code enforcement agency.
Prevailing Wage Rates
## Washington State Prevailing Wage Rates For Public Works Contracts

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

### YAKIMA COUNTY
EFFECTIVE 03-04-2009

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<td>JOURNEY LEVEL</td>
<td>$36.22</td>
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<td>METAL FABRICATION (IN SHOP)</td>
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<td>FITTER</td>
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<td>LABORER</td>
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<td>JOURNEY LEVEL</td>
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<td>JOURNEY LEVEL</td>
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<td>$44.83</td>
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<td>PLAYGROUND &amp; PARK EQUIPMENT INSTALLERS</td>
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<td>JOURNEY LEVEL</td>
<td>$8.55</td>
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<td>PLUMBERS &amp; PIPEFITTERS</td>
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<td>$57.74</td>
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<td>POWER EQUIPMENT OPERATORS</td>
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<tr>
<td>ASSISTANT ENGINEERS</td>
<td>$44.64</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<td>BACKHOE, EXCAVATOR SHOVEL, OVER 50 METRIC TONS TO 90 METRIC TONS</td>
<td>$48.48</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>BACKHOE, EXCAVATOR SHOVEL, OVER 90 METRIC TONS</td>
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<td>1T</td>
<td>5D</td>
<td>8P</td>
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<td>BACKHOE, EXCAVATOR, SHOVEL, OVER 30 METRIC TONS TO 50 METRIC TONS</td>
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<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>BARRIER MACHINE (ZIPPER)</td>
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<td>8P</td>
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<td>BATCH PLANT OPERATOR, CONCRETE</td>
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<td>BELT LOADERS (ELEVATING TYPE)</td>
<td>$47.00</td>
<td>1T</td>
<td>5D</td>
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<td>BOBCAT (SKID STEER)</td>
<td>$44.64</td>
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<td>BROKK-REMOTE DEMOLITION EQUIPMENT</td>
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<td>BROOMS</td>
<td>$44.64</td>
<td>1T</td>
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<td>BUMP CUTTER</td>
<td>$47.42</td>
<td>1T</td>
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<td>CABLEWAYS</td>
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<td>CHIPPER</td>
<td>$47.42</td>
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<td>COMPRESSORS</td>
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<td>CONCRETE FINISH MACHINE - LASER SCREED</td>
<td>$44.64</td>
<td>1T</td>
<td>5D</td>
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<td>CONCRETE PUMPS</td>
<td>$47.00</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>CONCRETE PUMP-TRUCK MOUNT WITH BOOM ATTACHMENT</td>
<td>$47.42</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>CONVEYORS</td>
<td>$47.00</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>CRANE, FRICTION 100 TONS THROUGH 199 TONS</td>
<td>$49.03</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>CRANE, FRICTION OVER 200 TONS</td>
<td>$49.59</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>Classification</td>
<td>PREVAILING WAGE</td>
<td>Over Time Code</td>
<td>Holiday Code</td>
<td>Note Code</td>
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<td>-------------------------------------------------------------------------------</td>
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<tr>
<td>CRANES, 19 TONS, WITH ATTACHMENTS</td>
<td>$47.00</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>CRANES, 20 - 44 TONS, WITH ATTACHMENTS</td>
<td>$47.42</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>CRANES, 45 TONS - 99 TONS, UNDER 150 FT OF BOOM (INCLUDING JIB WITH ATTACHMENTS)</td>
<td>$47.91</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>CRANES, 100 TONS - 199 TONS, OR 150 FT OF BOOM (INCLUDING JIB WITH ATTACHMENTS)</td>
<td>$48.46</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>CRANES, 200 TONS TO 300 TONS, OR 250 FT OF BOOM (INCLUDING JIB WITH ATTACHMENTS)</td>
<td>$49.03</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>CRANES, A-FRAME, 10 TON AND UNDER</td>
<td>$44.64</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>CRANES, A-FRAME, OVER 10 TON</td>
<td>$47.00</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>CRANES, OVER 300 TONS, OR 300' OF BOOM INCLUDING JIB WITH ATTACHMENTS</td>
<td>$49.59</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>CRANES, OVERHEAD, BRIDGE TYPE (20 - 44 TONS)</td>
<td>$47.42</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
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<td>CRANES, OVERHEAD, BRIDGE TYPE (45 - 99 TONS)</td>
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<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>CRANES, OVERHEAD, BRIDGE TYPE (100 TONS &amp; OVER)</td>
<td>$48.46</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>CRANES, TOWER CRANE UP TO 175' IN HEIGHT, BASE TO BOOM</td>
<td>$48.46</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>CRANES, TOWER CRANE OVER 175' IN HEIGHT, BASE TO BOOM</td>
<td>$49.03</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>CRUSHERS</td>
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<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>DECK ENGINEER/DECK WINCHES (POWER)</td>
<td>$47.42</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>DERRICK, BUILDING</td>
<td>$47.91</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>DOZERS, D-9 &amp; UNDER</td>
<td>$47.00</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>DRILL OILERS - AUGER TYPE, TRUCK OR CRANE MOUNT</td>
<td>$47.00</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>DRILLING MACHINE</td>
<td>$47.42</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>ELEVATOR AND MANLIFT, PERMANENT AND SHAFT-TYPE</td>
<td>$44.64</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>EQUIPMENT SERVICE ENGINEER (OILER)</td>
<td>$47.00</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>FINISHING MACHINE/BIDWELL GAMACO AND SIMILAR EQUIP</td>
<td>$47.42</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>FORK LIFTS, (3000 LBS AND OVER)</td>
<td>$47.00</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>FORK LIFTS, (UNDER 3000 LBS)</td>
<td>$44.64</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>GRADE ENGINEER</td>
<td>$47.00</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>GRADECHECKER AND STAKEMAN</td>
<td>$44.64</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>GUARDRAIL PUNCH</td>
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<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>HOISTS, OUTSIDE (ELEVATORS AND MANLIFTS), AIR TUGGERS</td>
<td>$47.00</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>HORIZONTAL/DIRECTIONAL DRILL LOCATOR</td>
<td>$47.00</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>HORIZONTAL/DIRECTIONAL DRILL OPERATOR</td>
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<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>HYDRAULIFTS/BOOM TRUCKS (10 TON &amp; UNDER)</td>
<td>$44.64</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>HYDRAULIFTS/BOOM TRUCKS (OVER 10 TON)</td>
<td>$47.00</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>LOADERS, OVERHEAD (6 YD UP TO 8 YD)</td>
<td>$47.91</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>LOADERS, OVERHEAD (8 YD &amp; OVER)</td>
<td>$48.46</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>LOADERS, OVERHEAD (UNDER 6 YD), PLANT FEED</td>
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<td>5D</td>
<td>8P</td>
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<tr>
<td>LOCOMOTIVES, ALL</td>
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<td>5D</td>
<td>8P</td>
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<tr>
<td>MECHANICS, ALL</td>
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<td>5D</td>
<td>8P</td>
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<tr>
<td>MIXERS, ASPHALT PLANT</td>
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<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>MOTOR PATROL GRADER (FINISHING)</td>
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<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>MOTOR PATROL GRADER (NON-FINISHING)</td>
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<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>MUCKING MACHINE, MOLE, TUNNEL DRILL AND/OR SHIELD</td>
<td>$47.91</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>OIL DISTRIBUTORS, BLOWER DISTRIBUTION AND MULCH SEEDING OPERATOR</td>
<td>$44.64</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>PAVEMENT BREAKER</td>
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<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>FILEDRIVER (OTHER THAN CRANE MOUNT)</td>
<td>$47.42</td>
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<td>5D</td>
<td>8P</td>
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<tr>
<td>PLANT OILER (ASPHALT, CRUSHER)</td>
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<td>1T</td>
<td>5D</td>
<td>8P</td>
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<td>POSTHOLE DIGGER, MECHANICAL</td>
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<tr>
<td>POWER PLANT</td>
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<td>PUMPS, WATER</td>
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<td>5D</td>
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<tr>
<td>Classification</td>
<td>Prevailing Wage</td>
<td>Overtime Code</td>
<td>Holiday Code</td>
<td>Note Code</td>
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<tr>
<td>QUAD 9, D-10, AND HD-41</td>
<td>$47.91</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>QUICK TOWER-NO CAB, UNDER 100 FEET IN HEIGHT BASED TO BOOM</td>
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<td>1T</td>
<td>5D</td>
<td>8P</td>
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<td>REMOTE CONTROL OPERATOR ON RUBBER TIRED EARTH MOVING EQUIPMENT</td>
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<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>RIGGER AND BELLMAN</td>
<td>$44.64</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>ROLLAGON</td>
<td>$47.91</td>
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<td>5D</td>
<td>8P</td>
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<tr>
<td>ROLLER, OTHER THAN PLANT ROAD MIX</td>
<td>$44.64</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>ROLLERS, PLANTMIX OR MULTILIFT MATERIALS</td>
<td>$47.91</td>
<td>1T</td>
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<td>8P</td>
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<td>ROTO-MILL, ROTO-GRINDER</td>
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<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>SAWS, CONCRETE</td>
<td>$47.00</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>SCRAPERS - SELF PROPELLED, HARD TAIL END DUMP, ARTICULATING OFF-ROAD EQUIPMENT</td>
<td>$47.91</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>SCRAPERS, CONCRETE AND CARRY ALL</td>
<td>$47.00</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>SCREAM MAN</td>
<td>$47.91</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>SHOTCRETE GUITE</td>
<td>$47.00</td>
<td>1T</td>
<td>5D</td>
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<tr>
<td>SLIPFORM PAVERS</td>
<td>$47.91</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>SPREADER, TOPSIDER &amp; SCREAMAN</td>
<td>$47.91</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>SUBGRADE TRIMMER</td>
<td>$47.91</td>
<td>1T</td>
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<td>8P</td>
</tr>
<tr>
<td>TOWER BUCKET ELEVATORS</td>
<td>$47.91</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>TRACTORS, (75 HP &amp; UNDER)</td>
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<td>8P</td>
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<td>TRACTORS, (OVER 75 HP)</td>
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<tr>
<td>TRANSFER MATERIAL SERVICE MACHINE</td>
<td>$47.91</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>TRANSPORTERS, ALL TRACK OR TRUCK TYPE</td>
<td>$47.91</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>TRENCHING MACHINES</td>
<td>$47.42</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>TRUCK CRANE OILER/DRIVER (UNDER 100 TON)</td>
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<td>1T</td>
<td>5D</td>
<td>8P</td>
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<tr>
<td>TRUCK CRANE OILER/DRIVER (100 TON &amp; OVER)</td>
<td>$47.91</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>WHEEL TRACTORS, FARMALL TYPE</td>
<td>$47.91</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>YO YO PAY DOZER</td>
<td>$47.91</td>
<td>1T</td>
<td>5D</td>
<td>8P</td>
</tr>
<tr>
<td>POWER EQUIPMENT OPERATORS - UNDERGROUND SEWER &amp; WATER</td>
<td>($see power equipment operators)</td>
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<tr>
<td>POWER LINE CLEARANCE TREE TRIMMERS</td>
<td>$39.29</td>
<td>4A</td>
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<td>RESIDENTIAL Sheet Metal Workers</td>
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<td>SIGN MAKERS &amp; INSTALLERS (NON-ELECTRICAL)</td>
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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.
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.

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<thead>
<tr>
<th>ITEM DESCRIPTION</th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>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</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>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</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>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.</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>4. Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes smaller than 60 inch diameter.</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>5. Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes larger than 60 inch diameter.</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>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.</td>
<td></td>
<td>X</td>
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<tr>
<td>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.</td>
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<tr>
<td>ITEM DESCRIPTION</td>
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<tr>
<td>----------------------------------------------------------------------------------</td>
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<td>----</td>
</tr>
<tr>
<td>8. Anchor Bolts &amp; Nuts - Anchor Bolts and Nuts, for mounting sign structures,</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>luminaries and other items, shall be made from commercial bolt stock. See</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contract Plans and Std. Plans for size and material type.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. Aluminum Pedestrian Handrail - Pedestrian handrail conforming to the type</td>
<td></td>
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</tr>
<tr>
<td>and material specifications set forth in the contract plans. Welding of</td>
<td></td>
<td></td>
</tr>
<tr>
<td>aluminum shall be in accordance with Section 9-26.14(3).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. Major Structural Steel Fabrication - Fabrication of major steel items such</td>
<td></td>
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</tr>
<tr>
<td>as trusses, beams, girders, etc., for bridges.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11. Minor Structural Steel Fabrication - Fabrication of minor steel items such</td>
<td></td>
<td>X</td>
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<tr>
<td>as special hangers, brackets, access doors for structures, access ladders for</td>
<td></td>
<td></td>
</tr>
<tr>
<td>irrigation boxes, bridge expansion joint systems, etc., involving welding,</td>
<td></td>
<td></td>
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<tr>
<td>cutting, punching and/or boring of holes. See Contact Plans for item description</td>
<td></td>
<td></td>
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<tr>
<td>and shop drawings.</td>
<td></td>
<td></td>
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<tr>
<td>12. Aluminum Bridge Railing Type BP - Metal bridge railing conforming to the</td>
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<tr>
<td>type and material specifications set forth in the Contract Plans. Welding of</td>
<td></td>
<td></td>
</tr>
<tr>
<td>aluminum shall be in accordance with Section 9-26.14(3).</td>
<td></td>
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<tr>
<td>13. Concrete Piling--Precast-Prestressed concrete piling for use as 55 and 70</td>
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<tr>
<td>ton concrete piling. Concrete to conform to Section 9-19.1 of Std. Spec..</td>
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<tr>
<td>14. Precast Manhole Types 1, 2, and 3 with cones, adjustment sections and flat</td>
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<tr>
<td>top slabs. See Std. Plans.</td>
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<tr>
<td>15. Precast Drywell Types 1, 2, and with cones and adjustment Sections.</td>
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<tr>
<td>See Std. Plans.</td>
<td></td>
<td></td>
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<tr>
<td>16. Precast Catch Basin - Catch Basin type 1, 1L, 1P, and 2 With adjustment</td>
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<tr>
<td>sections. See Std. Plans.</td>
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## WSDOT's Predetermined List for Suppliers - Manufactures - Fabricator

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<th>NO</th>
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<tr>
<td>17. Precast Concrete Inlet - with adjustment sections, See Std. Plans</td>
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<tr>
<td>18. Precast Drop Inlet Type 1 and 2 with metal grate supports. See Std. Plans.</td>
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<tr>
<td>19. Precast Grate Inlet Type 2 with extension and top units. See Std. Plans</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>20. Metal frames, vaned grates, and hoods for Combination Inlets. See Std. Plans</td>
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<td>X</td>
</tr>
<tr>
<td>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</td>
<td></td>
<td>X</td>
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<tr>
<td>22. Vault Risers - For use with Valve Vaults and Utilities Vaults.</td>
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<tr>
<td>23. Valve Vault - For use with underground utilities. See Contract Plans for details.</td>
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<tr>
<td>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.</td>
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<tr>
<td>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.</td>
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<tr>
<td>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</td>
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<tr>
<td>27. Precast Railroad Crossings - Concrete Crossing Structure Slabs.</td>
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<tr>
<td>28. 12, 18 and 26 inch Standard Precast Prestressed Girder -</td>
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<tr>
<td>Standard Precast Prestressed Girder for use in structures. Fabricator plant has</td>
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<tr>
<td>annual approval of methods and materials to be used. Shop Drawing to be provided</td>
<td></td>
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<tr>
<td>for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A</td>
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<tr>
<td>29. Prestressed Concrete Girder Series 4-14 - Prestressed Concrete Girders for</td>
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<td>use in structures. Fabricator plant has annual approval of methods and materials</td>
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<tr>
<td>to be used. Shop Drawing to be provided for approval prior to casting girders.</td>
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<td>See Std. Spec. Section 6-02.3(25)A</td>
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<tr>
<td>30. Prestressed Tri-Beam Girder - Prestressed Tri-Beam Girders for use in</td>
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<tr>
<td>structures. Fabricator plant has annual approval of methods and materials to be</td>
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<tr>
<td>used. Shop Drawing to be provided for approval prior to casting girders.</td>
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<td>See Std. Spec. Section 6-02.3(25)A</td>
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<tr>
<td>31. Prestressed Precast Hollow-Core Slab - Precast Prestressed Hollow-core slab</td>
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<td>for use in structures. Fabricator plant has annual approval of methods and</td>
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<td>materials to be used. Shop Drawing to be provided for approval prior to casting</td>
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<td>girders. See Std. Spec. Section 6-02.3(25)A.</td>
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<tr>
<td>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</td>
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<td>33. Monument Case and Cover</td>
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<tr>
<td>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.</td>
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<tr>
<td>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.</td>
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<tr>
<td>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.</td>
<td></td>
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<tr>
<td>37. Steel Sign Post - Fabricated Steel Sign Posts as detailed in Std Plans. Shop drawings for approval are to be provided prior to fabrication</td>
<td>X</td>
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<tr>
<td>38. Light Standard-Prestressed - Spun, prestressed, hollow concrete poles.</td>
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<tr>
<td>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 Special Provisions for pre-approved drawings.</td>
<td></td>
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<tr>
<td>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</td>
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<tr>
<td>41. Precast Concrete Sloped Mountable Curb (Single and Dual Faced)</td>
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<tr>
<td>See Std. Plans.</td>
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## WSDOT's Predetermined List for Suppliers - Manufactures - Fabricator

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<tr>
<td>42. Traffic Signs - Prior to approval of a Fabricator of Traffic Signs, the</td>
<td></td>
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<tr>
<td>sources of the following materials must be submitted and approved for reflective</td>
<td></td>
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<tr>
<td>sheeting, legend material, and aluminum sheeting.</td>
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<tr>
<td>NOTE: *** Fabrication inspection required. Only signs tagged &quot;Fabrication</td>
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<tr>
<td>Approved&quot; by WSDOT Sign Fabrication Inspector to be installed.</td>
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<tr>
<td>43. Cutting &amp; bending reinforcing steel</td>
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<tr>
<td>44. Guardrail components</td>
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<td>45. Aggregates/Concrete mixes</td>
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<tr>
<td>46. Asphalt</td>
<td>Covered by WAC 296-127-015</td>
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<tr>
<td>47. Fiber fabrics</td>
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<td>X</td>
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<tr>
<td>48. Electrical wiring/components</td>
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<tr>
<td>49. treated or untreated timber pile</td>
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<tr>
<td>50. Girder pads (elastomeric bearing)</td>
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<td>X</td>
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<td>51. Standard Dimension lumber</td>
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<td>52. Irrigation components</td>
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Supplemental to Wage Rates 7
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<td>53. Fencing materials</td>
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<td>54. Guide Posts</td>
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<td>55. Traffic Buttons</td>
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<td>56. Epoxy</td>
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<td>57. Cribbing</td>
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<td>58. Water distribution materials</td>
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<tr>
<td>59. Steel &quot;H&quot; piles</td>
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<tr>
<td>60. Steel pipe for concrete pile casings</td>
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<tr>
<td>61. Steel pile tips, standard</td>
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<tr>
<td>62. Steel pile tips, custom</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>
State of Washington  
Department of Labor and Industries  
Prevailing Wage Section - Telephone (360) 902-  
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, workers' wage and benefit rates must add to not less than this total. A brief description of overtime calculation requirements is provided on the Benefit Code Key.

METAL FABRICATION (IN SHOP)  
EFFECTIVE 03/04/2009  
*****************************************************************************  
(See Benefit Code Key)  

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<th>Holiday Code</th>
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<td>FITTER/WELDER</td>
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<tr>
<td>LABORER</td>
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<tr>
<td>MACHINE OPERATOR</td>
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<tr>
<td>PAINTER</td>
<td>$10.20</td>
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Counties Covered:  
ADAMS, ASOTIN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, KITTITAS  
LINCOLN, OKANOGAN, PEND ORIELLE, STEVENS, WALLA WALLA AND WHITMAN

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<th>Holiday Code</th>
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<tbody>
<tr>
<td>MACHINE OPERATOR</td>
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Counties Covered:  
BENTON

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Counties Covered:  
CHELAN

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Counties Covered:  
CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, LEWIS, MASON, PACIFIC  
SAN JUAN AND SKAGIT

Supplemental to Wage Rates
## METAL FABRICATION (IN SHOP)
**EFFECTIVE 03/04/2009**

(See Benefit Code Key)

<table>
<thead>
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<th>Classification</th>
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<td>LAYEROUT</td>
<td>$28.77</td>
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<td>6H</td>
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</tbody>
</table>

**Counties Covered:**
- **CLARK**
  - MACHINE OPERATOR: $24.65 (1B, 6V)
  - FITTER: $24.65 (1B, 6V)
  - WELDER: $24.65 (1B, 6V)

**Counties Covered:**
- **COWLITZ**
  - FITTER/WELDER: $10.79 (1)
  - PAINTER: $8.55 (1)

**Counties Covered:**
- **GRANT**
  - FITTER: $15.88 (1)
  - LABORER: $9.78 (1)
  - MACHINE OPERATOR: $13.04 (1)
  - PAINTER: $11.10 (1)
  - WELDER: $15.48 (1)

**Counties Covered:**
- **KITSAP**
  - FITTER: $26.96 (1)
  - LABORER: $8.85 (1)
  - MACHINE OPERATOR: $13.83 (1)
  - WELDER: $13.83 (1)
### METAL FABRICATION (IN SHOP)
**EFFECTIVE 03/04/2009**

(See Benefit Code Key)

<table>
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<th>Classification Code</th>
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<tbody>
<tr>
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Supplemental to Wage Rates
METAL FABRICATION (IN SHOP)
EFFECTIVE 03/04/2009

(See Benefit Code Key)

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Counties Covered:
THURSTON

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Counties Covered:
WHATCOM

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# FABRICATED PRECAST CONCRETE PRODUCTS

**EFFECTIVE 03/04/2009**

(See Benefit Code Key)

<table>
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<th>Prevailing Wage</th>
<th>Overtime Code</th>
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**Supplemental to Wage Rates**
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.

- 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.
Washington State Department of Labor and Industries
Policy Statements
(Regarding Production and Delivery of Gravel, Concrete, Asphalt, etc.)

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.]
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.

A. ALL HOURS WORKED ON SATURDAYS, SUNDAYS AND HOLIDAYS SHALL ALSO 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 WORKED SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.

D. THE FIRST TWO (2) HOURS BEFORE OR AFTER A FIVE - EIGHT (8) HOUR WORK WEEK DAY OR A FOUR - TEN (10) HOUR WORK WEEK DAY AND THE FIRST EIGHT (8) HOURS WORKED THE NEXT DAY AFTER EITHER WORK WEEK 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 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.

L. 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.

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.

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.
1. 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 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.

T. 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. 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.

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. WHEN A FOUR (4) DAY, TEN (10) HOUR WORK WEEK IS ESTABLISHED, ALL HOURS WORKED ON SATURDAYS SHALL BE PAID AT ONE-AND-ONE-HALF TIMES 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.


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 WORK WEEK) 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 WORK WEEK SHALL BE PAID AT THE STRAIGHT-TIME RATE UNTIL THEY HAVE WORKED 8 HOURS IN A DAY (10 IN A 4 X 10 WORK WEEK) OR 40 HOURS DURING THAT WORK WEEK.) 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.

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.

A. THE FIRST SIX (6) HOURS ON SATURDAY SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED IN EXCESS OF SIX (6) HOURS ON SATURDAY AND ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT TWO 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.

D. ALL HOURS WORKED ON SATURDAYS AND SUNDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. THE FIRST EIGHT (8) HOURS WORKED ON HOLIDAYS SHALL BE PAID AT STRAIGHT TIME IN ADDITION TO THE HOLIDAY PAY. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS ON HOLIDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

E. ALL HOURS WORKED ON SATURDAYS OR HOLIDAYS (EXCEPT LABOR DAY) SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON SUNDAYS OR ON LABOR DAY 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.

2. I. ALL HOURS WORKED ON SATURDAYS AND HOLIDAYS (EXCEPT LABOR DAY) SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON SUNDAYS AND ON LABOR DAY SHALL BE PAID AT TWO TIMES THE HOURLY RATE OF WAGE.

J. ALL HOURS WORKED ON SUNDAYS 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 THE HOLIDAY PAY. ALL HOURS WORKED ON UNPAID HOLIDAYS SHALL BE PAID AT TWO TIMES THE HOURLY RATE OF WAGE.

K. ALL HOURS WORKED ON HOLIDAYS SHALL BE PAID AT TWO TIMES THE HOURLY RATE OF WAGE IN ADDITION TO THE HOLIDAY PAY.

L. ALL HOURS WORKED ON SATURDAYS (OR ON THE REGULAR DAY OFF DURING A WORK WEEK OTHER THAN MONDAY THROUGH FRIDAY) AND HOLIDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE, EXCEPT LABOR DAY WHICH SHALL BE PAID AT DOUBLE THE HOURLY RATE. ALL HOURS WORKED MONDAY THROUGH SATURDAY OVER TWELVE (12) HOURS AND ALL HOURS WORKED ON SUNDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.

M. ALL HOURS WORKED ON SATURDAYS, SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE 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.

P. THE FIRST EIGHT (8) HOURS ON SATURDAY SHALL BE PAID AT ONE AND ONE-HALF 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 SHALL BE PAID AT TWO TIMES THE HOURLY RATE OF WAGE.

Q. ALL HOURS WORKED ON LABOR DAY SHALL BE PAID AT DOUBLE 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.

S. 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, EXCEPT THE DAY AFTER THANKSGIVING, THE DAY AFTER CHRISTMAS AND A FLOATING HOLIDAY, WHICH SHALL BE PAID AT THE STRAIGHT TIME RATE IF WORKED, IN ADDITION TO HOLIDAY PAY.

4A. 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.

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).

E. HOLIDAYS: NEW YEAR'S DAY, PRESIDENTS' DAY, MEMORIAL DAY, INDEPENDENCE DAY, PRESIDENTIAL ELECTION DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (8).


G. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE LAST WORK DAY BEFORE CHRISTMAS DAY, AND CHRISTMAS DAY (7).


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 CHRISTMAS AND CHRISTMAS DAY (8).

M. HOLIDAYS: NEW YEAR'S DAY, MARTIN LUTHER KING JR. DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, FRIDAY AFTER CHRISTMAS AND CHRISTMAS DAY (9).

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).

U. PAID HOLIDAYS: NEW YEAR'S DAY, MARTIN LUTHER KING JR. DAY, PRESIDENTS' DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, AND CHRISTMAS DAY (8).

V. PAID HOLIDAYS: SIX (6) PAID HOLIDAYS.

W. PAID HOLIDAYS: NINE (9) PAID HOLIDAYS.
X. **HOLIDAYS:** AFTER 520 HOURS - NEW YEAR'S DAY, THANKSGIVING DAY AND CHRISTMAS DAY. AFTER 2080 HOURS - NEW YEAR'S DAY, WASHINGTON'S BIRTHDAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, CHRISTMAS DAY AND A FLOATING HOLIDAY (8).

Y. **HOLIDAYS:** NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, PRESIDENTIAL ELECTION DAY, THANKSGIVING DAY, THE FRIDAY FOLLOWING THANKSGIVING DAY, AND CHRISTMAS DAY (8).

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).

B. **PAID HOLIDAYS:** NEW YEAR'S EVE DAY, NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, CHRISTMAS EVE'S DAY, AND CHRISTMAS DAY (9).

C. **HOLIDAYS:** NEW YEAR'S DAY, PRESIDENTS' DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE DAY AFTER THANKSGIVING DAY, THE LAST WORK DAY BEFORE CHRISTMAS DAY, AND CHRISTMAS DAY (9).

D. **PAID HOLIDAYS:** NEW YEAR'S DAY, PRESIDENTS' DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, CHRISTMAS DAY, THE DAY BEFORE OR THE DAY AFTER CHRISTMAS DAY (9).

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, DAY AFTER THANKSGIVING DAY, CHRISTMAS DAY, AND A HALF-DAY ON CHRISTMAS EVE DAY. (9 1/2).

F. **PAID HOLIDAYS:** NEW YEAR'S DAY, MARTIN LUTHER KING JR. DAY, PRESIDENTS' DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERANS' DAY, THANKSGIVING DAY, THE DAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (11).

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).

J. **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).

L. **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)

Q. **PAID HOLIDAYS:** NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERANS DAY, THANKSGIVING DAY, THE DAY AFTER THANKSGIVING DAY AND CHRISTMAS DAY (8). UNPAID HOLIDAY; PRESIDENTS' DAY.

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).

U. **HOLIDAYS:** NEW YEARS DAY, DAY BEFORE NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, THE DAY BEFORE CHRISTMAS DAY, CHRISTMAS DAY (9).

V. **PAID HOLIDAYS:** NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, DAY AFTER THANKSGIVING DAY, CHRISTMAS EVE DAY, CHRISTMAS DAY, AND ONE DAY OF THE EMPLOYEE'S CHOICE (9).

W. **PAID HOLIDAYS:** NEW YEAR'S DAY, DAY BEFORE NEW YEAR'S DAY, PRESIDENTS DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, DAY AFTER THANKSGIVING DAY, CHRISTMAS DAY, DAY BEFORE OR AFTER CHRISTMAS DAY (10).

X. **PAID HOLIDAYS:** NEW YEAR'S DAY, DAY BEFORE OR AFTER NEW YEAR'S DAY, PRESIDENTS DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, CHRISTMAS DAY, DAY BEFORE OR AFTER CHRISTMAS DAY, EMPLOYEES BIRTHDAY (11).
Y. PAID HOLIDAYS: NEW YEAR'S DAY, PRESIDENTS' DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING DAY, CHRISTMAS DAY, AND A FLOATING HOLIDAY (9).


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

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.
Improvement Plans
ELEPHANT MOUNTAIN COMMUNICATIONS BUILDING

E 53296

INDEX

SHEET 1  COVER SHEET: INDEX AND VICINITY MAP
SHEET 2  SITE PLAN CONSTRUCTION NOTES
SHEET 3  ELECTRICAL SERVICE PLAN CONSTRUCTION NOTES & SCHEDULE
SHEET 4  POWER DISTRIBUTION BLOCK DIAGRAM AND GROUND SCHEME
SHEET 5  SLAB BUILDING FOUNDATION FOR 24'-1" X 10'-6 3/4"
CONSTRUCTION NOTES:

1. New shelter foundation/Pad placement; see foundation detail drawing for pad requirements.
2. Place new communications building per manufacturer's recommendation; see special provisions and plan sheets for details.
3. Construct new Class 4000 concrete sidewalk on 4 in. of compacted crushed surfacing top course.
4. Remove existing cable bridge/ice shield; support post and associated concrete foundation.
5. Install a portion of the existing ice bridge to the new building.
6. Place 3 in. of crushed surfacing top course over the entire site.
CONSTRUCTION NOTES:

1. INSTALL 3 IN. PVC CONDUIT 3 FT. BELOW GROUND LEVEL, WITH 1-26 IN. RISER SMOKE AT THE BUILDING WITH 3 IN. RIS CONDUIT ABOVE GROUND TO THE METER BASE. INSTALL 1/4 IN. PULL LINE. ALL WORK SHALL MEET THE REQUIREMENTS OF PACIFIC POWER INCLUDING TERMINATION AT TRANSFORMER NO. 16001. THE CONDUCTORS WILL BE INSTALLED BY PACIFIC POWER.

2. INSTALL 2 IN. PVC CONDUIT WITH A 2 IN. CONDUIT 2 FOOT ABOVE GROUND AT THE BUILDING AND 2 IN. PVC CONDUIT 1 FOOT ABOVE GROUND AT THE EXISTING PEDESTAL WITH A 1 IN. PULL LINE, PER GREEN TELEPHONE REQUIREMENTS.

3. INTERCEPT EXISTING 2-2 IN. CONDUIT AND INSTALL TYPE 2 JUNCTION BOX. INSTALL NEW CONDUCTORS FROM THE EXISTING GENERATORS IN NEW 2-2 IN. RIS CONDUITS TO THE NEW BUILDING.

4. CONNECT TO EXISTING GROUND GRID / FIELD VIA RING RING BARE SOLID TINNED COPPER WIRE. EXISTING RING RING BARE SOLID TINNED COPPER WIRE BORED 36 IN. BELOW GRADE. ATTACH LEADS SHELF AND STRUCTURE GROUND POINTS VIA CAD WELD METHOD. (TAGGED/ LABELED "RED" AT SITE) (EXOTHERMIC)

5. INSTALL METER BASE PER PACIFIC POWER REQUIREMENTS.

6. INSTALL 3" RIS CONDUIT AND GROUND 3-3/0 AWG CONDUCTORS.

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**ELECTRICAL SERVICE NO. 1 BREAKER SCHEDULE**

<table>
<thead>
<tr>
<th>MAIN BREAKER</th>
<th>BREAKER 1</th>
<th>CIRCUIT</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>300 AMPS</td>
<td>50</td>
<td>CIRCUIT 1</td>
<td>AUTOMATIC TRANSFER SWITCH</td>
</tr>
<tr>
<td>300 AMPS</td>
<td>25</td>
<td>CIRCUIT 2</td>
<td>GENERATOR SUPPLY</td>
</tr>
</tbody>
</table>

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**ELEPHANT MOUNTAIN COMMUNICATIONS BUILDING**

**COUNTY ENGINEER**

**DATE:** 6/9/09

**PROJECT ENGINEER:**

**CHECKED BY:**

**SHEET 3 OF 5**
CONSTRUCTION NOTES:

1. REQUIRED CONNECTION BETWEEN PUMP & MOTOR AND EXTERNAL DISCONNECT.
2. REQUIRED CONNECTION FROM MAIN POWER DIST. BREAKER POSITION #5, CIRCUIT 9.
3. REQUIRED CONNECTION FROM GEN. POWER OUT TO AUTOMATIC TRANSFER SWITCH.
4. CONNECT TO EXISTING GROUND FIELD
5. EXISTING CONNECTION (NO ACTION REQUIRED)

- ESD SPECIFICATIONS: 1/4" x 4" x 16" MIN. TIN PLATED COPPER BUS BAR, WITH 2" ISOLATED STANDOFFS. ABLE TO ACCOMODATE TWO-HOLE SPACE LEGS, TREATED WITH NO-EX COMPOUND OR EQUIV.
- EXISTING BMR, ENS.
- EXISTING PROpane TK.

15" 4"

EXISTING GROUND FIELD

82 AWG DURE GOLD WIRE

EXISTING LIGHTNING ARMS & STORES

82 AWG DURE GOLD WIRE

82 AWG DURE GOLD WIRE

EXISTING GROUND PK.

- ESD - ENTRANCE (EXTERIOR) GROUND PK.

POWER DISTRIBUTION BLOCK DIAGRAM AND GROUND SCHEME

COUNTY ENGINEER DATE: 6/9/09

PREPARED UNDER THE DIRECTION OF:

POWER DISTRIBUTION BLOCK DIAGRAM AND GROUND SCHEME

ELEPHANT MOUNTAIN COMMUNICATIONS BUILDING

E 53296

COUNTY ENGINEER DATE: 6/9/09

PROJECT ENGINEER: KEN FRENZEL

CHECKED BY: R. BILLERBECK

SHEET 4 OF 5
PLAN VIEW

SECTION "A-A"

NOTES:
1. CONCRETE SHALL ATTAIN A MINIMUM ULTIMATE COMPRESSION STRENGTH OF 4000 PSI WITHIN 28 DAYS.
2. ALL REBAR TO HAVE A MINIMUM OF 2" CONCRETE COVER.