CONTRACT
SPECIFICATIONS

For The Construction Of:
HENNESSY ROAD
IMPROVEMENT PROJECT
(END OF ROAD TO TIETON ROAD)
C 3196
Yakima County Public Services Project
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.

COUNTY ENGINEER

DATE: 8/9/
INFORMATIONAL
BID DOCUMENTS
INSTRUCTIONS TO BIDDERS

DELIVERY OF PROPOSALS

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

Yakima County Public Services, Fourth Floor County Courthouse, 128 N. 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 Engineer 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 August 24, 2011.

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 Courthouse, 128 N. 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. All or a portion of work in Proposal B (Sanitary Sewer Improvements) may be deleted if the bid exceeds the funds available.

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:

Each bid must be made on the form attached to these Specifications.

This project is a federal-aid funded project. Yakima County in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d to 2000-4 and Title 49, Code of Federal Regulations, Department of Transportation, subtitle A, Office of the Secretary, Part 21, nondiscrimination in federally assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it shall affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises shall be afforded full opportunity to submit bids in response to this invitation and shall not be discriminated against on the grounds of race, color or national origin in consideration for an award.

YAKIMA COUNTY IS AN EQUAL OPPORTUNITY EMPLOYER
PROPOSAL

C 3196: HENNESSY ROAD IMPROVEMENT PROJECTS
(End of Road To Tieton Drive)

BIDDER SHALL BID ONLY ONE OF THE TWO ALTERNATIVES AVAILABLE, EITHER ALTERNATE “A”, OR ALTERNATE “B”

☐ ALTERNATE “A”
COUNTY SUPPLIED CRUSHED SURFACING MATERIALS

BID AMOUNT $ ___________

PRICE ADJUSTMENT $ 36,775.45
3,635 TONS OF CSBC @ $9.20 PER TONS = $33,442.00
313 TONS OF CSTC @ $10.65 PER TONS = $3,333.45

TOTAL BID (FOR COMPARATIVE PURPOSES) $ ___________

☐ ALTERNATE “B”
CONTRACTOR SUPPLIED CRUSHED SURFACING MATERIALS

BID AMOUNT $ ___________

TOTAL BID $ ___________

Note: The total bid for either alternate “A” or alternate “B” shall be used for the contract and bond amount.
PROPOSAL – Continued

This certifies that the undersigned has examined the location of the noted projects:

C 3196 – HENNESSY ROAD IMPROVEMENT PROJECT

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 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>
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<td>SCHEDULE A CULV. PIPE 12 IN. DIAM.</td>
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<td>8</td>
<td>SCHEDULE A CULV. PIPE 18 IN. DIAM.</td>
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<td>STORM SEWER</td>
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<td>9</td>
<td>CATCH BASIN TYPE 1</td>
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<td>Unit</td>
<td>Unit Price</td>
<td>Total Item Amount</td>
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<td>SEEDING, FERTILIZING, AND MULCHING</td>
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<td>ACRE</td>
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<td><strong>TRAFFIC</strong></td>
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<td>FLAGGERS AND SPOTTERS</td>
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<td>HR</td>
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<td><strong>OTHER ITEMS</strong></td>
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<td>MONUMENT CASE AND COVER (County Furnished)</td>
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<td>EACH</td>
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<td><strong>BID AMOUNT C 3196</strong></td>
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<td>$</td>
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</tbody>
</table>
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.: ________________________________

UBI 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 C 3196.
LETTER OF RESPONSIBILITY

Date: ____________
County Road Project No.: C 3196

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:

C 3196 – Hennessy Road

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 Prequalification 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.
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 and equipment for C 3196 – Hennessy Road, and shall perform any changes in the work in accordance with the Contract Documents.

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 therein 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.

VI. The parties agree that, for the purpose of this agreement, the CONTRACTOR is an independent contractor and neither the CONTRACTOR nor any employee of the CONTRACTOR is an employee of the COUNTY. Neither the CONTRACTOR nor any employee of the CONTRACTOR is entitled to any benefits that the COUNTY provides its employees. The CONTRACTOR is solely responsible for payment of any statutory workers compensation or employer's liability insurance as required by state law.

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____

CONTRACTOR

__________________________
Signature

__________________________
Print or Type Name of Person Signing

__________________________
Title

Foregoing Contract approved and ratified __________, 20____

__________________________
Surety

__________________________
Attorney-in-fact

__________________________
Approved as to form:

__________________________
Deputy Prosecuting Attorney

__________________________
BOARD OF YAKIMA COUNTY COMMISSIONERS

__________________________
Kevin J. Bouche, Chairman

__________________________
J. Rand Elliott, Commissioner

__________________________
Michael D. Leita, Commissioner

__________________________
ATTEST: Clerk of the Board

__________________________
Tiera Girard
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 for C 3196 – Hennessy Road 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 or 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: ____________________________

By: ____________________________

Title: ____________________________

Chair of the Board of
Yakima County Commissioners

SURETY

By: ____________________________

Attorney-in-Fact

Approved as to form:

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

C 3196 – HENNESSY ROAD IMPROVEMENT PROJECT
(End of Road to Tieton Drive)

YAKIMA COUNTY, WASHINGTON

INTRODUCTION

The following Amendments and Special Provisions shall be used in conjunction with the 2010 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.

DIVISION 1
GENERAL REQUIREMENTS

SECTION 1-01, DEFINITIONS AND TERMS
August 2, 2010

1-01.2(1) Associations and Miscellaneous
The abbreviation and definition “AREA American Railway Engineering Association” is replaced with the following:
AREMA American Railway Engineering and Maintenance Association

SECTION 1-02, BID PROCEDURES AND CONDITIONS
July 11, 2011

1-02.5 Proposal Forms
The first paragraph is revised to read:

At the request of a prequalified Bidder, the Contracting Agency will provide a physical Proposal Form for any project on which the Bidder is eligible to Bid. For certain projects selected at the sole discretion of the Contracting Agency, the Bidder may also be authorized to access an electronic Proposal Form for submittal via Trns-Port Expedite® software and BidExpress®.
1-02.6 Preparation of Proposal
The first paragraph is revised to read:

The Contracting Agency will accept only those Proposals properly executed on physical
forms it provides, or electronic forms that the bidder has been authorized to access. Unless it
approves in writing, the Contracting Agency will not accept Proposals on forms attached to
the Plans and stamped “Informational”.

The second paragraph is revised to read:

All prices shall be in legible figures (not words) written in ink or typed, and expressed in
U.S. dollars and cents. The Proposal shall include:

1. A unit price for each item (omitting digits more than four places to the right of the
decimal point),

2. An extension for each unit price (omitting digits more than two places to the right
of the decimal point), and

3. The total Contract price (the sum of all extensions).

In the space provided on the signature sheet, the Bidder shall confirm that all Addenda have
been received.

The third paragraph is revised to read:

The Bidder shall submit with the Bid a completed Disadvantaged Business Enterprises
(DBE) Utilization Certification, when required by the Special Provisions. For each and
every DBE firm listed on the Bidder’s completed DBE Utilization Certification, the Bidder
shall submit written confirmation from that DBE firm that the DBE is in agreement with the
DBE participation commitment that the Bidder has made in the Bidders completed DBE
Utilization Certification. WSDOT Form 422-031 EF (DBE Written Confirmation
Document) is available for this purpose. Bidder must submit good faith effort
documentation with the DBE Utilization Certification ONLY In The Event the bidder’s
efforts to solicit sufficient DBE participation have been unsuccessful. Directions for
delivery of the DBE Written Confirmation Documents and DBE Good Faith Effort
documentation are included in Section 1-02.9 Delivery of Proposal and Section 1-02.10
Withdrawing, Revising or Supplementing Proposal.

1-02.7 Bid Deposit
This section is revised to read:

A deposit of at least 5-percent of the total Bid shall accompany each Bid. This deposit may
be cash, certified check, cashier’s check, or a proposal bond (Surety bond). For projects that
are selected by the Contracting Agency to be bid electronically, the proposal bond may be in
either a physical format, or an electronic format via Surety2000.com or Insurevision.com and BidExpress®. When a physical bid deposit or proposal bond is furnished to accompany an electronic Proposal Form, the Bid deposit shall be received by the Contracting Agency at the location specified for receipt of bids prior to the time set for receipt of Bids. Any proposal bond shall be on a form acceptable to the Contracting Agency and shall be signed by the Bidder and the Surety. A proposal bond shall not be conditioned in any way to modify the minimum 5-percent required. The Surety shall: (1) be registered with the Washington State Insurance Commissioner, and (2) appear on the current Authorized Insurance List in the State of Washington published by the Office of the Insurance Commissioner.

The failure to furnish a Bid deposit of a minimum of 5-percent with the Bid or as a physical supplement to the electronic Proposal Form shall make the Bid nonresponsive and shall cause the Bid to be rejected by the Contracting Agency.

1-02.8(2) Lobbying Certification

The last paragraph is revised to read:

The Certification for Federal-Aid Contracts (Form DOT 272-040) may be reproduced from the Proposal form. The disclosure form is available from the Washington State Department of Transportation’s Contract Ad & Award Office, Transportation Building, Olympia, Washington 98504.

1-02.9 Delivery of Proposal

This section is revised to read:

For projects scheduled for bid opening in Olympia, each Proposal shall be sealed and submitted in the envelope provided with it, or electronically via Trns-Port Expedite® software and BidExpress® at the location and time identified in Section 1-02.12. The Bidder shall fill in all blanks on this envelope to ensure proper handling and delivery.

For projects scheduled for bid opening in other locations, each Proposal shall be sealed and submitted in the envelope provided with it, at the location and time identified in Section 1-02.12. The Bidder shall fill in all blanks on this envelope to ensure proper handling and delivery.

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

NOTE: Certain documents that are required for an electronic Bid Proposal to be responsive CANNOT be submitted electronically via Trns-Port Expedite® software and BidExpress®. These documents include:

1. DBE Written Confirmation Documents; and,

2. Good Faith Effort Documentation; and,
3. Cash, certified checks, cashier’s checks, or a proposal bond (Surety bond) in formats other than via Surety2000.com or Insurevision.com.

The Bidder shall provide all documents that are required for an electronic Bid Proposal to be responsive (but cannot be submitted electronically via Trns·Port Expedite® software and BidExpress®) as a supplement to their electronic Bid Proposal in one of the following methods:

1. Physically in a sealed envelope marked as “BID SUPPLEMENT” and bearing the Bidders company name, project title, Bid date, and description of contents (for example: DBE Written Confirmation, DBE Good Faith Efforts, Proposal Deposit, etc.); or,

2. Except for Item #3 above, by facsimile to the following FAX number: (360) 705-6966.

E-mailed submittals are not acceptable. The Contracting Agency is not responsible for delayed, partial, failed, illegible or partially legible FAX document transmissions, and such documents may be rejected as incomplete at the Bidder’s risk.

1-02.10 Withdrawal or Revision of Proposal
This section including title is revised to read:

Withdrawing, Revising, or Supplementing Proposal
After submitting a physical Bid Proposal to the Contracting Agency, the Bidder may withdraw, revise, or supplement it if:

1. The Bidder submits a written request signed by an authorized person, and

2. The Contracting Agency receives the request before the time set for receipt of Proposals.

The original physical Bid Proposal may be supplemented, or revised and resubmitted as the official Bid Proposal if the Contracting Agency receives it before the time set for receipt of Proposals. Faxed Bid revisions and supplements will be accepted only if they are submitted in accordance with the “Example Format for Facsimile Bid Changes” instructions posted on the WSDOT website at http://www.wsdot.wa.gov/biz/contaa/bulletin/.

E-mailed requests to withdraw, revise or supplement a Proposal are not acceptable. The contracting Agency is not responsible for delayed, partial, failed, illegible or partially legible FAX document transmissions, and such documents may be rejected as incomplete at the Bidders risk.
The Contracting Agency will not accept requests to revise or withdraw electronic Bid Proposals. Such requests shall be furnished directly to BidExpress® and in accordance with their terms and conditions.

1-02.13 Irregular Proposals
In the first paragraph, Item h beneath item number 1 is revised to read:

h. The Bidder fails to submit or properly complete a Disadvantaged Business Enterprise Utilization Certification, if applicable, as required in Section 1-02.6;

In the first paragraph, item I beneath item number 1 is revised to read:

i. The Bidder fails to submit written confirmation from each DBE firm listed on the Bidder’s completed DBE Utilization Certification that they are in agreement with the bidders DBE participation commitment, if applicable, as required in Section 1-02.6, or if the written confirmation that is submitted fails to meet the requirements of the Special Provisions;

Item 1 in the first paragraph is supplemented with the following:

j. The Bidder fails to submit DBE Good Faith Effort documentation, if applicable, as required in Section 1-02.6, or if the documentation that is submitted fails to demonstrate that a Good Faith Effort to meet the Condition of Award was made; or

k. The Bid Proposal does not constitute a definite and unqualified offer to meet the material terms of the Bid invitation.

SECTION 1-06, CONTROL OF MATERIALS
January 3, 2011

1-06.1 Approval of Materials Prior to Use
This section is supplemented with the following new sub-section:

1-06.1(4) Fabrication Inspection Expense
In the event the Contractor elects to have items fabricated beyond 300 miles from Seattle, Washington the Contracting Agency will deduct from payment due the Contractor costs to perform fabrication inspection on the following items:

- Steel Bridges and Steel Bridge components
- Cantilever Sign Structures and Sign Bridges
- Prestressed Concrete Girders and Precast Bridge Components
- Cylindrical, Disc, Pin, and Spherical Bearings
- Modular Expansion Joints
- Epoxy Coated Reinforcing Steel
- Painted and Powder Coated Luminaire and Signal Poles
• Additional items as may be determined by the Engineer

The deductions for fabrication inspection costs will be as shown in the Payment Table below.

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<thead>
<tr>
<th>Zone</th>
<th>Place of Fabrication</th>
<th>Reduction in Payment</th>
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<tr>
<td>1</td>
<td>Within 300 airline miles from Seattle</td>
<td>None</td>
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<tr>
<td>2</td>
<td>Between 300 and 3,000 airline miles from Seattle</td>
<td>$700.00 per *inspection day</td>
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<td>3</td>
<td>Over 3,000 airline miles from Seattle</td>
<td>$1,000 per *inspection day, but not less than $2,500 per trip</td>
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*Note - An inspection day includes any calendar day or portion of a calendar day spent inspecting at or traveling to and from a place of fabrication.

Where fabrication of an item takes place in more than one zone, the reduction in payment will be computed on the basis of the entire item being fabricated in the furthest of zones where any fabrication takes place on that item.

The rates for Zone 2 and 3 shall be applied for the full duration time of all fabrication inspection activities to include but not limited to; plant approvals, prefabrication meetings, fabrication, coatings and final inspection.
Table 2 “Pay Factors” on page 1-39 is revised to read:

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(Continued)
SECTION 1-07, LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC
August 1, 2011

1-07.2 Sales Tax
The third sentence in the first paragraph is revised to read:

The Contractor shall contact the Contract Payment section of the Division of Accounting & Financial Services of the Department of Transportation, Olympia WA for questions on sales tax.

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

The Contracting Agency will pay the retained percentage only if the Contractor has obtained from the State Department of Revenue a certificate showing that all Contract-related taxes have been paid (RCW 60.28.051).

1-07.5(3) State Department of Ecology
Item No. 4. in the first paragraph is revised to read:

4. Perform Work in such a manner that all materials and substances not specifically identified in the Contract documents to be placed in the water do not enter waters of the State, including wetlands. These include, but are not limited to, petroleum products, hydraulic fluid, fresh concrete, concrete wastewater, process wastewater, slurry materials and waste from shaft drilling, sediments, sediment-laden water, chemicals, paint, solvents, or other toxic or deleterious materials.

1-07.9(1) General
The second sentence in the fourth paragraph is revised to read:

When the project involves highway Work, heavy Work and building Work, the Contract Provisions may list a Federal wage and fringe benefit rate for the highway Work, a separate Federal wage and fringe benefit rate for both the heavy Work and the building Work.

1-07.13(4) Repair of Damage
The last sentence in the first paragraph is revised to read:

For damage qualifying for relief under Sections 1-07.13(1), 1-07.13(2), 1-07.13(3), or 8-17.5, payment will be made in accordance with Section 1-09.4 using the estimated bid item “Reimbursement for Third Party Damage”.

1-07.14 Responsibility for Damage
The third, fourth and fifth paragraphs are revised to read:

Subject to the limitations in this section and RCW 4.24.115 the Contractor shall indemnify, defend, and save harmless the State, Governor, Commission, Secretary, and all officers and employees of the State from all claims, suits, or actions brought for injuries to, or death of,
any persons or damages resulting from construction of the Work or in consequence of any
negligence or breach of contract regarding the Work, or the use of any improper materials in
the Work, caused in whole or in part by any act or omission by the Contractor or the agents
or employees of the Contractor during performance or at any time before final acceptance.
In addition to any remedy authorized by law, the State may retain so much of the money due
the Contractor as deemed necessary by the Engineer to ensure indemnification until
disposition has been made of such suits or claims.

Subject to the limitations in this section and RCW 4.24.115, the Contractor shall indemnify,
defend, and save harmless any county, city, or region, its officers, and employees connected
with the Work, within the limits of which county, city, or region the Work is being
performed, all in the same manner and to the same extent as provided above for the
protection of the State, its officers and employees, provided that no retention of money due
the Contractor be made by the State except as provided in RCW 60.28, pending disposition
of suits or claims for damages brought against the county, city, or district.

Pursuant to RCW 4.24.115, where such claims, suits, or actions result from the concurrent
negligence of (a) the indemnitee or the indemnitee's agents or employees and (b) the
Contractor or the Contractor's agent or employees, the indemnity provisions provided in the
preceding paragraphs of this section shall be valid and enforceable only to the extent of the
Contractor's negligence or the negligence of its agents and employees.

This section is supplemented with the following:

THE CONTRACTOR SPECIFICALLY ASSUMES ALL POTENTIAL LIABILITY FOR
ACTIONS BROUGHT BY EMPLOYEES OF THE CONTRACTOR AND, SOLELY FOR
THE PURPOSE OF ENFORCING THE DEFENSE AND INDEMNIFICATION
OBLIGATIONS SET FORTH IN SECTION 1-07.14, THE CONTRACTOR
SPECIFICALLY WAIVES ANY IMMUNITY GRANTED UNDER THE STATE
INDUSTRIAL INSURANCE LAW, RCW TITLE 51. THIS WAIVER HAD BEEN
MUTUALLY NEGOTIATED BY THE PARTIES. THE CONTRACTOR SHALL
SIMILARLY REQUIRE THAT EACH SUBCONTRACTOR IT RETAINS IN
CONNECTION WITH THE PROJECT COMPLY WITH THE TERMS OF THIS
PARAGRAPH, WAIVE ANY IMMUNITY GRANTED UNDER RCW TITLE 51 AND
ASSUME ALL LIABILITY FOR ACTIONS BROUGHT BY EMPLOYEES OF THE
SUBCONTRACTOR.

1-07.15 Temporary Water Pollution/Erosion Control
The fourth paragraph is deleted.

1-07.15(1) Spill Prevention, Control and Countermeasures Plan
This section is deleted in its entirety and replaced with the following:

The Contractor shall prepare and implement a project-specific spill prevention, control, and
countermeasures plan (SPCC Plan) 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 the Contracting Agency accepts an SPCC Plan for the project. SPCC Plan template and guidance information is available at:

The SPCC Plan shall address all fuels, petroleum products and hazardous materials, as defined in Chapter 447 of the WSDOT Environmental Procedures Manual (M 31-11). 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. The SPCC Plan shall address conditions that may be required by Section 3406 of the current International Fire Code, or as approved by the local Fire Marshal.

Implementation Requirements
The Contractor shall update the SPCC Plan 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. The Contractor shall fully implement the SPCC Plan, as accepted and updated, at all times.

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

1. Responsible Personnel
   Identify the names, titles, and contact information for the personnel responsible for implementing and updating the plan and for responding to spills.

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.

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 provisions and Plans. Identify equipment and work practices that shall be used to prevent the release of contamination.

6. Spill Prevention and Response Training
Describe how and when all project personnel, including refueling personnel and other Subcontractors, shall be trained in spill prevention, containment, and response and in the location of spill response kits.

7. Spill Prevention
Describe the following items:

A. The contents and locations of spill response kits that the Contractor shall supply and maintain that are appropriately stocked, located in close proximity to hazardous materials and equipment, and immediately accessible.

B. Security measures for potential spill sources to prevent accidental spills and vandalism.

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

D. Secondary containment for each potential spill source listed in 4, above. Secondary containment structures shall be in accordance with Section S9.D.9 of Ecology’s Construction Storm water General NPDES Permit, where secondary containment means placing tanks or containers within an impervious structure capable of containing 110% of the volume contained in the largest tank within the containment structure. Double-walled tanks do not require additional secondary containment.

E. BMP Methods used to prevent discharges to ground or water during mixing and transfers of hazardous materials and fuel. Methods to control pollutants shall use BMPs in accordance with Ecology’s Construction Stormwater General NPDES Permit. BMPs guidance is provided in Ecology’s Stormwater Management Manuals, such as Volume II -
Construction Stormwater Pollution Prevention, BMP C153 and Volume IV Source Control BMPs.

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

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. Routine equipment, storage area, and structure inspection and maintenance practices to prevent drips, leaks or failures of hoses, valves, fittings, containers, pumps, or other systems that contain or transfer hazardous materials.

I. Site inspection procedures and frequency.

8. Spill Response
Outline the response procedures the Contractor shall follow for each scenario listed below, indicating that 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. 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, clean up spilled material, decontaminate equipment, 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 shall 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 shall 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 Plan is accepted by Contracting Agency, 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 all costs associated with
creating and updating the accepted SPCC Plan, all costs associated with the set up of
prevention measures, and implementing the current SPCC Plan as required by this
Specification.

As to other costs associated with releases or spills, including restocking spill kits, 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(2) Vegetation Protection and Restoration
The second paragraph is revised to read:
Damage which may require replacement of vegetation includes torn bark stripping, broken branches, exposed root systems, cut root systems, poisoned root systems, compaction of surface soil and roots, puncture wounds, drastic reduction of surface roots or leaf canopy, changes in grade greater than 6-inches, or any other changes to the location that may jeopardize the survival or health of the vegetation to be preserved.

The third paragraph is revised to read:

When large roots of trees designated to be saved are exposed by the Contractor's operation, they shall be wrapped with heavy, moist material such as burlap or canvas for protection and to prevent excessive drying. The material shall be kept moist and securely fastened until the roots are covered to finish grade. All material and fastening material shall be removed from the roots before covering. All roots 1-inch or larger in diameter, which are damaged, shall be pruned with a sharp saw or pruning shear. Damaged, torn, or ripped bark shall be removed as designated by the Engineer at no additional cost to the Contracting Agency.

The fourth paragraph is revised to read:

Any pruning activity required to complete the Work as specified shall be performed by a Certified Arborist as designated by the Engineer.

1-07.18 Public Liability and Property Damage Insurance

This section is deleted in its entirety and replaced with the following:

1-07.18 Public Liability and Property Damage Insurance

The Contractor shall obtain and keep in force the following policies of insurance. The policies shall be with companies or through sources approved by the State Insurance Commissioner pursuant to Chapter 48.05, RCW. Unless otherwise indicated below, the policies shall be kept in force from the execution date of the Contract until the date of acceptance by the Secretary (Section 1-05.12).

1. Owners and Contractors Protective (OCP) Insurance providing bodily injury and property damage liability coverage with limits of $3,000,000 per occurrence and, per project, in the aggregate for each policy period, written on Insurance Services Office (ISO) form CG0009 1204, together with Washington State Department of Transportation amendatory endorsement CG 2908 1195, specifying the Contracting Agency, the State, the Governor, the Commission, the Secretary, the Department and all officers and employees of the State as named insured.

2. Commercial General Liability (CGL) Insurance written under ISO Form CG0001 or its equivalent with minimum limits of $3,000,000 per occurrence and in the aggregate for each one year policy period. This coverage may be any combination of primary, umbrella or excess liability coverage affording total liability limits of not less than $3,000,000 per occurrence and in the aggregate. Products and completed operations
coverage shall be provided for a period of three years following Substantial Completion of the Work.

3. Commercial Automobile Liability Insurance providing bodily injury and property damage liability coverage for all owned and nonowned vehicles assigned to or used in the performance of the Work with a combined single limit of not less than $1,000,000 each occurrence. This coverage may be any combination of primary, umbrella or excess liability coverage affording total liability limits of not less than $1,000,000 per occurrence with the State named as an additional insured or designated insured in connection with the Contractor’s Performance of the Contract. If pollutants are to be transported, MCS 90 and CA 99 48 endorsements are required on the Commercial Automobile Liability insurance policy unless in-transit pollution risk is covered under a Pollution Liability insurance policy.

4. The Contractor shall be Named Insured and the Contracting Agency, the State, the Governor, the Commission, the Secretary, the Department, all officers and employees of the State, and their respective members, directors, officers, employees, agents and consultants (collectively the “Additional Insureds”) shall be included as Additional Insureds for all policies and coverages specified in this Section, with the exception of the OCP policy. Said insurance coverage shall be primary and non-contributory insurance with respect to the insureds and the Additional Insureds. Any insurance or self-insurance beyond that specified in this Contract that is maintained by any Additional Insured shall be in excess of such insurance and shall not contribute with it. All insurance coverage required by this Section shall be written and provided by “occurrence-based” policy forms rather than by “claims made” forms.

All endorsements adding Additional Insureds to required policies shall be issued on (i) form CG 20 10 11 85 or a form deemed equivalent by the Contracting Agency, providing the Additional Insureds with all policies and coverages set forth in this Section, with the exception of the OCP and Commercial Auto policies or (ii) form CA 20 48 or forms deemed equivalent by Contracting Agency, providing the Additional Insureds with all coverage’s required under the Commercial Automobile Liability.

5. The coverage limits to be provided by Contractor for itself and to the Contracting Agency and Additional Insureds pursuant to this section or any Special Provision, shall be on a “per project” aggregate basis with the minimum limits of liability as set forth herein for both general liability and products/completed operations claims. The additional insured coverage required under this Section for products/completed operations claims shall remain in full force and effect for not less than three years following Substantial Completion of the project. If the Contractor maintains, at any time, coverage limits for itself in excess of limits set forth in this Section 1-07.18 or any Special Provision, then those additional coverage limits shall also apply to the Contracting Agency and the Additional Insureds. This includes, but is not limited to, any coverage limits provided under any risk financing program of any description, whether such limits are primary, excess, contingent or otherwise.
6. All insurance policies and coverage's required under Section 1-07.18 and Section 1-07.10 shall contain a waiver of subrogation against the Contracting Agency, the State, any Additional Insured and their respective departments, agencies, boards, and commissions and their respective officers, officials, agents, and employees for losses arising from Work performed by or on behalf of the Contractor. This waiver has been mutually negotiated by the parties.

7. Where applicable, the Contractor shall cause each Subcontractor to provide insurance that complies with all applicable requirements of the Contractor-provided insurance as set forth herein, in circumstances where the Subcontractor is not covered by the Contractor-provided insurance. The Contractor shall have sole responsibility for determining the limits of coverage required, if any, to be obtained by Subcontractors, which determination shall be made in accordance with reasonable and prudent business practices. In the event that a Subcontractor is required to add the Contractor as an additional insured pursuant to its contract for Work at the Project, then the Contractor shall also cause each Subcontractor to include the Contracting Agency and the Additional Insured as additional insureds as well, for primary and non-contributory limits of liability under each Subcontractor's Commercial General Liability, Commercial Automobile Liability and, any other coverage's which may be required pursuant to a “Special Provision”.

8. Unless specifically noted otherwise in the Contract Documents, the parties to this Contract do not intend by any of the provisions of this Contract to cause the public or any member thereof or any other Person to be a third party beneficiary of the Contract Documents. Nothing in this Contract authorizes anyone not a party to this Contract or a designated third party beneficiary to this Contract to maintain a suit for personal injuries or property damage pursuant to the terms or provisions of this Contract. It is the further intent of the Contracting Agency and the Contractor in executing the Form of Contract that no individual, firm, corporation or any combination thereof which supplies materials, labor, services, or equipment to the Contractor for the performance of the Work shall become thereby a third party beneficiary of this Contract.

The Contract Documents shall not be construed to create a contractual relationship of any kind between the Contracting Agency and a Subcontractor or any other Person except the Contractor.

9. The Owners and Contractors Protective Insurance policy shall not be subject to a deductible or contain provisions for a deductible. The Commercial General Liability policy and the Commercial Automobile Liability Insurance policy may, at the discretion of the Contractor, contain such provisions. If a deductible applies to any claim under these policies, then payment of that deductible will be the responsibility of the Contractor, notwithstanding any claim of liability against the Contracting Agency. However in no event shall any provision for a deductible provide for a deductible in excess of $50,000.00.
10. With the exception of the Commercial Automobile liability coverage, no policies of
insurance required under this Section shall contain an arbitration or alternative dispute
resolution clause applicable to disputes between the insurer and its insureds. Any and
all disputes concerning (i) terms and scope of insurance coverage afforded by the
policies required hereunder and/or (ii) extra contractual remedies and relief which may
be afforded policy holders in connection with coverage disputes, shall be resolved in
Washington Superior Court, applying Washington law.

11. Prior to Contract execution, the Contractor shall file with the Department of
Transportation, Contract Payment Section, P.O. Box 47420, Olympia, WA 98504-7420,
ACORD Form Certificates of Insurance evidencing the minimum insurance coverages
required under these Specifications. Within 30 days of being awarded a Contract, the
Contractor shall provide the Department with complete copies, which may be electronic
copies, of all insurance policies required under this section and any Special Provisions.

12. The Contractor shall provide written notice to the Engineer of any policy cancellations
and provide the Department of Transportation, Contract Payment Section, P.O. Box
47420 Olympia, WA 98504-7420, by U.S Mail, notice of any policy cancellation within
two business days of receipt of cancellation.

13. Failure on the part of the Contractor to maintain the insurance as required, or to not
provide certification and copies of the insurance prior to the time specified in
subsection 11 above, shall constitute a material breach of Contract upon which the
Contracting Agency may, after giving 5-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. All costs for insurance, including any payments of deductible
amounts, shall be considered incidental to and included in the unit Contract prices and
no additional payment will be made.

SECTION 1-08, PROSECUTION AND PROGRESS
April 4, 2011
1-08.1 Subcontracting
The second and third sentences in the eighth paragraph are revised to read:
This Certification shall be submitted to the Project Engineer on WSDOT form 421-023,
"Quarterly Report of Amounts Paid as MBE/WBE Participants", quarterly for the State
fiscal quarters: January 1 through March 31, April 1 through June 30, July 1 through
September 30, October 1 through December 31, and for any remaining portion of a quarter
through Physical Completion of the Contract. The report is due 20 calendar days following
the fiscal quarter end or 20-calendar days after Physical Completion of the Contract.
The first sentence in the ninth paragraph is revised to read:
On all projects funded with both Contracting Agency funds and Federal assistance the Contractor shall submit a “Quarterly Report of Amounts Credited as DBE Participation” on a quarterly basis in which DBE work is accomplished, for every quarter in which the Contract is active or upon completion of the project, as appropriate.

The last sentence in the ninth paragraph is revised to read:
When required, this “Quarterly Report of Amounts Credited as DBE Participation” is in lieu of WSDOT form 421-023, “Quarterly Report of Amounts Paid as MBE/WBE Participants”.

1-08.5 Time for Completion
The last two sentences in the first paragraph are revised to read:
When any of these holidays fall on a Sunday, the following Monday shall be counted a nonworking day. When the holiday falls on a Saturday, the preceding Friday shall be counted a nonworking day. The days between December 25 and January 1 will be classified as nonworking days.

Item number 2.c. in the sixth paragraph is revised to read:
c. Quarterly Reports of Amounts Paid as MBE/WBE Participants, or Quarterly Reports of Amounts Credited as DBE Participation, as required by the Contract Provisions.

SECTION 1-09, MEASUREMENT AND PAYMENT
August 1, 2011

1-09.2(1) General Requirement for Weighing Equipment
This section is revised to read:
Unless specified otherwise, any Highway or Bridge construction materials to be proportioned or measured and paid for by weight shall be weighed on a scale.

Scales
Scales shall:

1. be accurate to within 0.5-percent of the correct weight throughout the range of use;
2. not include spring balances;
3. include beams, dials, or other reliable readout equipment;
4. be built to prevent scale parts from binding, vibrating, or being displaced and to protect all working parts and;
5. be carefully maintained, with bunkers and platforms kept clear of accumulated materials that could cause errors.

**Scale Operations**

Contractor provided scale operations are defined as operations where a scale is set up by the Contractor specifically for the project and most, if not all, material weighed on the scale is utilized for Contract Work. In this situation, the Contractor shall provide a person to operate the project scale, write tickets, perform scale checks and prepare reports.

Commercial scale operations include the use of established scales used to sell materials to the public on a regular basis. In addition, for the purposes of this specification, all batch, hopper, and belt scales are considered to be commercial scales. When a commercial scale is used as the project scale, the Contractor may utilize a commercial scale operator provided it is at no additional cost to the contracting agency.

In addition, the Contractor shall ensure that:

1. the Engineer is allowed to observe the weighing operation and check the daily scale weight record;

2. scale verification checks are performed at the direction of the Contracting Agency (see Section 1-09.2(5));

3. several times each day, the scale operator records and makes certain the platform scale balances and returns to zero when the load is removed; and

4. test results and scale weight records for each day’s hauling operations are provided to the Engineer daily. Unless otherwise approved, reporting shall utilize form 422-027, Scaleman’s Daily Report.

**Trucks and Tickets**

Each truck to be weighed shall bear a unique identification number. This number shall be legible and in plain view of the scale operator. Each vehicle operator shall obtain a weigh or load ticket from the scale operator. The Contracting Agency will provide item quantity tickets for scales that are not self-printing. The Contractor shall provide tickets for self-printing scales. All tickets shall, at a minimum, contain the following information:

1. date of haul;

2. contract number;

3. contract unit Bid item;

4. unit of measure;
5. identification number of hauling vehicle; and

6. weight delivered

   a. net weight in the case of batch and hopper scales

   b. gross weight, tare and net weight in the case of platform scales (tare may be
      omitted if a tare beam is used)

   c. approximate load out weight in the case of belt conveyor scales

The vehicle operator shall deliver the ticket in legible condition to the material receiver at
the material delivery point. The material delivery point is defined as the location where the
material is incorporated into the permanent Work.

1-09.2(2) Specific Requirements for Batching Scales

In the first paragraph, the last sentence is revised to read:

Batching scales used for Portland Cement concrete or hot mix asphalt shall not be used for
batching other materials.

1-09.2(3) Specific Requirements for Platform Scales

In the first paragraph, the last sentence is revised to read:

A tare weight shall be taken of each hauling vehicle at least once daily.

The third paragraph is deleted.

1-09.2(5) Measurement

This section is revised to read:

Scale Verification Checks

The Engineer will verify the accuracy of each batch, hopper or platform scale. The
frequency of verification checks will be such that at least one test weekly is performed for
each weighed contract item of work being performed during that week.

Verification checks may not be routinely conducted for weighed material, who’s proposal
quantity multiplied by the unit bid price, has a value less than $20,000.

The verification will consist of one of the following methods and be at the Contractor’s
option:

   1. Weigh a loaded truck on a separate certified platform scale designated by the
      Contractor, for the purpose of scale verification.
2. Weigh a vehicle that weighs at least 10,000 pounds on a separate certified scale and then check the project scale with it.

3. Establish a certified fixed load weighing at least 10,000 pounds as a check-weight. The certification shall consist of an affidavit affirming the correct weight of the fixed load. Should the scale verification check reveal a weight difference of more than 0.5-percent, a second scale verification check shall be performed immediately. If the weight differences of both comparison checks exceed the 0.5-percent limit and the scale has been over weighing, the Contractor shall immediately stop weighing and the scale shall be recertified at the Contractor’s expense. If the weight difference of both comparison checks exceed the 0.5-percent limit and the scale is under weighing, it shall be adjusted immediately. The Contractor will not be compensated for any loss from under weighing.

**Belt Scales**

To test the accuracy of a belt-conveyor scale, the Contractor shall weigh five or more payloads from sequential hauling units and compare these weights with weights of the same payloads taken on a separate certified platform scale. If the test results fluctuate, the Engineer may require more than five check loads. Conveyor weights will be based on tonnage values taken from the sealed odometer at the beginning and end of each check period.

If scale verification checks show the scale has been under weighing, it shall be adjusted immediately. The Contractor will not be compensated for any loss from under weighing.

If scale verification checks show the scale has been overweighing, its operation will cease immediately until adjusted.

**Minor Construction Items**

If the specifications and plans require weight measurement for minor construction items, the Contractor may request permission to convert volume to weight. If the Engineer approves, an agreed factor may be used to make this conversion and volume may be used to calculate the corresponding weight for payment.

**1-09.2(6) Payment**

This section is revised to read:

Unless specified otherwise the Contracting Agency will pay for no materials received by weight unless they have been weighed as required in this section or as required by another method the Engineer has approved in writing.

The Contractor shall not be compensated for any loss from under weighing that is revealed by scale verification checks.
If scale verification checks reveal that the scale is over weighing, then payment for all material weighed since the last valid scale verification check will be adjusted. The contracting agency will calculate the combined weight of all materials weighed after the last verification check showing accurate results. This combined weight will then be reduced for payment by the percentage of scale error that exceeds 0.5-percent unless the Contractor demonstrates to the satisfaction of the Engineer that the defect in the scale was present for a lesser period of time.

Unit contract prices for the various pay items of the project cover all costs related to weighing and proportioning materials for payment. These costs include but are not limited to:

- furnishing, installing, certifying, and maintaining scales;
- providing a weigher to operate a Contractor provided scale;
- providing a weigher to operate a commercial scale, if necessary;
- providing self-printing tickets, if necessary;
- rerouting a truck for verification weighing;
- assisting the Engineer with scale verification checks;
- any other related costs associated with meeting the requirements of this section.

1-09.9 Payments

The first paragraph is revised to read:

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

The Contractor shall submit a breakdown of the cost of lump sum Items to enable the Project Engineer to determine the Work performed on a monthly basis. Lump sum item breakdowns shall be submitted prior to the first progress payment that includes payment for the Bid Item in question. A breakdown is not required for lump sum items that include a basis for incremental payments as part of the respective Specification. Absent a lump sum breakdown the Project Engineer will make a determination based on information available. The Project Engineer’s determination of the cost of work shall be final.

In the third paragraph, the second sentence is deleted.

1-09.11(1)A Disputes Review Board Membership

This section is supplemented with the following new paragraph:
The Contracting Agency and Contractor shall indemnify and hold harmless the Board Members from and against all claims, damages, losses and expenses, including but not limited to attorney’s fees arising out of and resulting from the actions and recommendations of the Board.

SECTION 1-10, TEMPORARY TRAFFIC CONTROL

April 4, 2011

In Division 1-10, all references to "truck mounted" are revised to read "transportable".

1-10.1 General
The following sentence is inserted at the beginning of this section:

Temporary traffic control refers to the control of all types of traffic, including vehicles, bicyclists, and pedestrians (including pedestrians with disabilities).

1-10.2(1)A Traffic Control Management
Item number 2. in the first paragraph is revised to read:

2. Providing the Contractor’s designated TCS with approved Traffic Control Plans (TCPs) which are compatible with the Work operations and traffic control for which they will be implemented. Having the latest adopted edition of the Manual On Uniform Traffic Control Devices for Streets and Highways (MUTCD,) including the Washington State Modifications to the MUTCD, the most current edition of the Public Rights-Of-Way Accessibility Guidelines (PROWAG), and applicable standards and Specifications available at all times on the project.

1-10.2(1)B Traffic Control Supervisor
Item number 1. in the third paragraph is revised to read:

1. Having a current set of approved traffic control plans (TCPs), applicable Contract Provisions as provided by the Contractor, the latest adopted edition of the MUTCD, including the Washington State Modifications to the MUTCD, the book Quality Guidelines for Temporary Work Zone Traffic Control Devices, the most current edition of the PROWAG, and applicable standards and Specifications.

The third paragraph is supplemented with the following:

7. Ensuring that all pedestrian routes or access points, existing or temporary, are kept clear and free of obstructions and that all temporary pedestrian routes or access points are detectable and accessible to persons with disabilities as provided for in the approved Plans.

1-10.2(2) Traffic Control Plans
The second paragraph is revised to read:
When the Contractor’s chosen method of performing the Work in the Contract requires some
form of temporary traffic control for vehicles, bicyclists, or pedestrians, the Contractor shall
either: (1.) designate and adopt, in writing, the traffic control plan or plans from the Contract
documents that support that method; or (2.) submit a Contractor’s plan that modifies,
supplements or replaces a plan from the Contract documents. Any Contractor-proposed
modification, supplement or replacement shall show the necessary construction signs,
flaggers, spotters and other traffic control devices required to support the Work. Any
Contractor-proposed traffic control plan shall conform to the established standards for plan
development as shown in the MUTCD, Part 6 and the most current edition of the PROWAG.
The Contractor’s submittal, either designating and adopting a traffic control plan from the
Contract documents or proposing a Contractor-developed plan, shall be provided to the
Engineer for approval at least 10-calendar days in advance of the time the signs and other
traffic control devices are scheduled to be installed and utilized. The Contractor shall be
solely responsible for submitting any proposed traffic control plan or modification,
obtaining the Engineer’s approval and providing copies of the approved Traffic Control
Plans to the Traffic Control Supervisor.

1-10.2(3) Conformance to Established Standards

The reference “(TMA’s)” in the paragraph that starts with “Category 3” is deleted.

The first paragraph is revised to read:

Flagging, signs, and all other traffic control devices and procedures furnished or provided
shall conform to the standards established in the latest WSDOT adopted edition of the
Manual On Uniform Traffic Control Devices for Streets and Highways (MUTCD),
published by the U.S. Department of Transportation and the Washington State Modifications
to the MUTCD and the most current edition of the Public Rights-Of-Way Accessibility
Guidelines (PROWAG). Judgment of the quality of devices furnished will be based upon
Quality Guidelines for Temporary Traffic Control Devices, published by the American
Temporary Control Devices may be purchased from the American Traffic Safety Services
Association, 15 Riverside Parkway, Suite 100, Fredericksburg, Virginia 22406-1022. The
Washington State Modifications to the MUTCD may be obtained from the Department of
Transportation, Olympia, Washington 98504. The most current edition of the Public Rights-
Of-Way Accessibility Guidelines (PROWAG) can be downloaded from the United States
Access Board web site (www.access-board.gov).

1-10.3(1) Traffic Control Labor

The first paragraph is revised to read:

The Contractor shall furnish all personnel for flagging, spotting, for the execution of all
procedures related to temporary traffic control and for the setup, maintenance and removal
of all temporary traffic control devices and construction signs necessary to control vehicular,
bicycle, and pedestrian traffic during construction operations.
1-10.3(2)C Lane Closure Setup/Takedown
Item number 1 in the first paragraph is revised to read:

1. If the Plans show a portable changeable message sign, it shall be established in advance of the operation; far enough back to provide warning of both the operation and any queue of traffic that has formed during the operation.

In the second paragraph, the reference to "TMA/arrow board" is revised to read "transportable attenuator/arrow board".

1-10.3(3) Traffic Control Devices
The following paragraph is inserted at the beginning of this section:

Traffic control devices, including signs, furnished or provided shall conform to the standards established in the latest WSDOT adopted edition of the Manual On Uniform Traffic Control Devices for Streets and Highways (MUTCD,) published by the U.S. Department of Transportation and the Washington State Modifications to the MUTCD. Requirements for pedestrian traffic control devices are addressed in the MUTCD.

1-10.3(3)A Construction Signs
In the fourth paragraph “height” is replaced with “top of the ballast”.

1-10.3(3)J Truck Mounted Attenuator
The title for this section is revised to read:

1-10.3(3)J Transportable Attenuator

In the second and fourth paragraphs, the references to "TMA" are revised to read "Transportable Attenuator".

In the first paragraph, the first sentence is revised to read:

Where shown on an approved traffic control plan or where ordered by the Engineer, the Contractor shall provide, operate, and maintain transportable impact attenuators as required in Section 9-35.12.

In the third paragraph, the reference to "truck's" is revised to read "host vehicle's".

1-10.4(2) Item Bids with Lump Sum for Incidentals
All references to "Truck Mounted Impact Attenuator(s)" are revised to read "Transportable Attenuator(s)".

In the eighth paragraph, the first sentence is revised to read:

"Transportable Attenuator" will be measured per each one time only for each host vehicle with mounted or attached impact attenuator used on the project.
In the last sentence of the ninth paragraph, the reference to "TMA" is replaced with "transportable attenuator".

This Section is supplemented with the following:

No specific unit of measurement will apply to the lump sum item of "Pedestrian Traffic Control."

1-10.5(2) Item Bids with Lump Sum for Incidentals
All references to "truck mounted impact attenuator(s)" are revised to read "transportable attenuator(s)".

This Section is supplemented with the following:

"Pedestrian Traffic Control", lump sum.
The lump sum Contract payment shall be full compensation for all costs of labor and materials incurred by the Contractor in performing pedestrian traffic control Contract Work defined in Section 1-10.

DIVISION 2
EARTHWORK

SECTION 2-01, CLEARING, GRUBBING, AND ROADSIDE CLEANUP
April 5, 2010

2-01.3(2) Grubbing
In the first paragraph Item 2. e. is revised to read:

e. Upon which embankments will be placed except stumps may be close-cut or trimmed as allowed in Section 2-01.3(1) item 3.

SECTION 2-02, REMOVAL OF STRUCTURES AND OBSTRUCTIONS
January 4, 2010

2-02.3 Construction Requirements
The fourth paragraph is revised to read:

The Contractor may dispose of waste material in Contracting Agency owned sites if the Special Provisions or the Engineer permits it. Otherwise, the Contractor shall arrange to dispose of waste at no expense to the Contracting Agency and the disposal shall meet the requirements of Section 2-03.3(7)C.
SECTION 2-09, STRUCTURE EXCAVATION
January 3, 2011

2-09.3(1)E Backfilling
The sixth paragraph is revised to read:

The water/cement ratio shall be calculated on the total weight of cementitious material. Cementitious materials are those listed in Section 5-05.2.

2-09.3(2) Classification of Structure Excavation
Item number 1 is revised to read:

1. Class A. Structure excavation required for bridge and retaining wall footings, geosynthetic retaining wall footings, structural earth walls and sign structure footings, pile or drilled shaft caps, seals, wingwall footings, detention vaults, and noise barrier wall footings shall be classified as Structure excavation Class A. If the excavation requires a cofferdam, structural shoring, or extra excavation, the work outside the neat lines of the Structure excavation Class A shall be classified as shoring or extra excavation Class A.

2-09.3(3)D Shoring and Cofferdams
The 14th paragraph is revised to read:

If soldier piles are placed in drilled holes, and lagging is installed concurrently with the excavation, all backfill above the bottom of the lagging shall consist of controlled density fill or lean concrete. Backfill below the bottom of the lagging may consist of pea gravel. If full-height steel sheet lagging is installed prior to excavation, soldier pile holes may be backfilled with pea gravel.

2-09.4 Measurement
The second sentence in the second paragraph, “Horizontal Limits”, is supplemented with the following:

(4) more than 1-foot outside the perimeter of the soil reinforcement area for geosynthetic and structural earth walls.

DIVISION 3
PRODUCTION FROM QUARRY AND PIT SITES AND STOCKPILING

SECTION 3-01, PRODUCTION FROM QUARRY AND PIT SITES AND STOCKPILING
August 1, 2011

3-01.4(4) Gravel Base
The second paragraph is deleted.
DIVISION 4
BASES

SECTION 4-02, GRAVEL BASE
August 1, 2011

4-02.4 Measurement
This section is revised to read:

Gravel base will be measured in the same manner prescribed for the measurement of crushed surfacing materials as set forth in Section 4-04.4.

DIVISION 5
SURFACE TREATMENTS AND PAVEMENTS

SECTION 5-04, HOT MIX ASPHALT
August 1, 2011

5-04.3(5)E Pavement Repair
The third sentence in the second paragraph is revised to read:

The minimum width of any pavement repair area shall be 40-inches unless shown otherwise in the Plans.

5-04.3(7)A1 General
This section is revised to read:

The Contractor shall develop a mix design prior to the initial production of HMA and prior to the production of HMA each calendar year thereafter. The mix design aggregate structure and asphalt binder content shall be determined in accordance with Materials Manual WSDOT Standard Operating Procedure No. 732 and meet the requirements of Sections 9-03.8(2) and 9-03.8(6). Mix designs that were developed during the calendar year prior to the current year’s production of HMA that have been issued a WSDOT mix design/anti-strip evaluation report will be accepted provided the Contractor submits a certification letter stating that the aggregate and asphalt binder have not changed. Changes to aggregate that may require a new mix design include the source of material or a change in the percentage of material from a stockpile greater than 5-percent. The Contractor may vary the RAP percentage in accordance with Section 5-04.2. Changes to the percentage of material from a stockpile will be calculated exclusive of the RAP content. Changes to asphalt binder that may require a new mix design include the source of the crude petroleum supplied to the refinery, the refining process, and additives or modifiers in the asphalt binder.

5-04.3(7)A2 Statistical or Nonstatistical Evaluation
The second paragraph is revised to read:
The Contractor shall submit representative samples of the mineral materials that are to be used in the HMA production. The Contracting Agency will use these samples to determine anti-strip requirements, if any, in accordance with WSDOT test method T 718. Anti-strip evaluation of HMA mix designs proposed by the Contractor that include RAP will be completed without the inclusion of the RAP. Submittal of RAP samples is not required. A mix design/anti-strip evaluation report will be provided within 25-calendar days after a mix design submittal has been received in the State Materials Laboratory in Tumwater. No paving shall begin prior to issuance of the mix design/anti-strip evaluation report or reference mix design/anti-strip evaluation report for that year.

5-04.3(7)A3 Commercial Evaluation
The first sentence in the second paragraph is revised to read:

Anti-strip evaluation of the mix design by the Contracting Agency is not required.

5-04.3(8)A1 General
The second sentence in the second paragraph is revised to read:

Statistical evaluation will be used for a class of HMA with the same PG grade of asphalt binder, when the Proposal quantities exceed 4,000-tons.

The third paragraph is revised to read:

Nonstatistical evaluation will be used for the acceptance of HMA when the Proposal quantities for a class of HMA, with the same PG grade of asphalt binder, are 4,000-tons or less.

5-04.3(8)A4 Definition of Sampling Lot and Sublot
The first sentence in the first paragraph is revised to read:

A lot is represented by randomly selected samples of the same mix design that will be tested for acceptance with a maximum of 15 sublots per lot; the final lot for a mix design may be increased to 25 sublots

5-04.3(10)A General
The first paragraph is revised to read:

Immediately after the HMA has been spread and struck off, and after surface irregularities have been adjusted, the mix shall be thoroughly and uniformly compacted. The completed course shall be free from ridges, ruts, humps, depressions, objectionable marks, checking, cracking and irregularities and shall conform to the line, grade, and cross-section shown in the Plans. If necessary, the JMF may be altered in accordance with Section 9-03.8(7) to achieve desired results.

The third paragraph is revised to read:
The type of rollers to be used and their relative position in the compaction sequence shall generally be the Contractor's option, provided the specified densities are attained. An exception shall be that pneumatic tired rollers shall be used for compaction of the wearing course beginning October 1st of any year through March 31st of the following year. Unless the Project Engineer has approved otherwise, rollers shall only be operated in the static mode when the internal temperature of the mix is less than 175°F. Rollers shall only be operated in static mode on bridge decks.

5-04.3(10)B1 General
The first sentence in the second paragraph is revised to read:

A lot is represented by randomly selected samples of the same mix design that will be tested for acceptance with a maximum of 15 sublots per lot; the final lot for a mix design may be increased to 25 sublots.

5-04.3(10)B4 Test Results
The first paragraph is revised to read:

The nuclear moisture-density gauge results of all compaction acceptance testing and the CPF of the lot after three sublots have been tested will be available to the Contractor through WSDOT's website. Determination of the relative density of the HMA with a nuclear moisture-density gauge requires a correlation factor determined in accordance with WSDOT SOP 730 and may require resolution after the correlation factor is known. When a core is taken for gauge correlation at the location of a subplot the relative density of the core will be used for the subplot test result and is exempt from challenge testing. Acceptance of HMA compaction will be based on the statistical evaluation and CPF so determined.

5-04.3(11)D Lots and Sublots
The following new sub-section is inserted at the beginning of this section:

5-04.3(11)D1 General
HMA that has been rejected is subject to the requirements in Section 1-06.2(2) and the Contractor shall submit a proposal to the Project Engineer for approval. When a lot has been rejected and the Contractor's written request for the entire lot to remain in place in accordance with Section 1-06.2(2)B Paragraph 1, Item 3 has been approved the HMA will be accepted and the designated percentage reduction shall be 25-percent.

5-04.3(11)D1 A Partial Sublot
This sections number is revised to read:

5-04.3(11)D2

5-04.3(11)D2 An Entire Sublot
This sections number is revised to read:
5-04.3(11)D3

5-04.3(11)D3 A Lot in Progress
This sections number is revised to read:

5-04.3(11)D4

5-04.3(11)D4 An Entire Lot
The last sentence is deleted.

This sections number is revised to read:

5-04.3(11)D5

DIVISION 6
STRUCTURES

SECTION 6-01, GENERAL REQUIREMENTS FOR STRUCTURES
August 1, 2011

6-01.6 Load Restrictions on Bridges Under Construction
In the first paragraph “roadway deck” is deleted and replaced with “bridge deck”.

6-01.8 Approaches to Movable Spans
In the first paragraph “roadway” is deleted and replaced with “bridge deck”.

6-01.13 Architectural Features
This section including title is revised to read:

6-01.13 Vacant

6-01.14 Premolded Joint Filler
The last sentence in the second paragraph is revised to read:

This adhesive, however, shall be compatible with the material specified in Section 9-04.1(2)
and capable of bonding the filler to Portland cement concrete.

SECTION 6-02, CONCRETE STRUCTURES
August 1, 2011

In Division 6-02, all references to “roadway slab”, “roadway deck” and “deck slab” are deleted
and replaced with “bridge deck”.
6-02.2 Materials
In the first paragraph, the following item is inserted after the item “Microsilica Fume”:

Metakaolin 9-23.12

6-02.3(1) Classification of Structural Concrete
The first paragraph is deleted and replaced with the following two new paragraphs:

The class of concrete to be used shall be as noted in the Plans and these Specifications. The Class includes the specified minimum compressive strength in psi at 28 days (numerical class) and may include a letter suffix to denote structural concrete for a specific use. Letter suffixes include A for bridge approach slabs, D for bridge decks, P for piling and shafts, and W for underwater. The numerical class without a letter suffix denotes structural concrete for general purposes.

Concrete of a numerical class greater than 4000 shall conform to the requirements specified for either Class 4000 (if general purpose) or for the appropriate Class 4000 with a letter suffix, as follows:

1. Mix ingredients and proportioning specified in Section 6-02.3(2) and Section 6-02.3(2)A.

2. Consistency requirements specified in Section 6-02.3(4)C.

3. Curing requirements specified in 6-02.3(11).

6-02.3(2) Proportioning Materials
The table following the third paragraph is revised to read:
Table 2 Cementitious Requirement for Concrete

<table>
<thead>
<tr>
<th>Class of Concrete</th>
<th>Minimum Cementitious Content (lbs)</th>
<th>Minimum % replacement of fly ash for portland cement</th>
<th>Maximum % replacement of fly ash for portland cement</th>
<th>Maximum % replacement of ground granulated blast furnace slag for portland cement</th>
</tr>
</thead>
<tbody>
<tr>
<td>4000</td>
<td>564</td>
<td>*</td>
<td>35</td>
<td>40</td>
</tr>
<tr>
<td>4000A</td>
<td>564</td>
<td>*</td>
<td>20</td>
<td>30</td>
</tr>
<tr>
<td>4000D</td>
<td>660</td>
<td>10</td>
<td>20</td>
<td>30</td>
</tr>
<tr>
<td>4000P</td>
<td>600</td>
<td>15</td>
<td>35</td>
<td>40</td>
</tr>
<tr>
<td>4000W</td>
<td>564</td>
<td>*</td>
<td>35</td>
<td>40</td>
</tr>
<tr>
<td>3000</td>
<td>564</td>
<td>*</td>
<td>35</td>
<td>40</td>
</tr>
<tr>
<td>Commercial Concrete</td>
<td>**564</td>
<td>*</td>
<td>35</td>
<td>40</td>
</tr>
<tr>
<td>Pumpable Lean Concrete</td>
<td>*</td>
<td>*</td>
<td>***</td>
<td>***</td>
</tr>
<tr>
<td>Lean Concrete</td>
<td>140 - 200</td>
<td>*</td>
<td>35</td>
<td>40</td>
</tr>
</tbody>
</table>

* No minimum specified

** For Commercial Concrete the minimum cementitious content is only required for sidewalks, curbs and gutters

*** No maximum specified

The fifth paragraph is revised to read:

The water/cement ratio shall be calculated on the total weight of cementitious material. Cementitious materials are those listed in Section 5-05.2. With the Engineers written approval microsilica fume and metakaolin can be used in all classifications of Class 4000, Class 3000 and commercial concrete and is limited to a maximum of 10% of the cementitious material.

6-02.3(2)A Contractor Mix Design

The fourth, fifth and sixth sentences of the first paragraph are deleted and replaced with the following sentence:

All proposed concrete mix shall meet the requirements of Table 2 Cementitious Requirement for Concrete in Section 6-02.3(2).
6-02.3(2)D Lean Concrete
This section is revised to read:

Lean concrete shall have a minimum cementitious material content of between 145 and 200-
pounds per cubic yard and have a maximum water/cement ratio of 2.

6-02.3(5)E Point of Acceptance
The first paragraph is revised to read:

Determination of concrete properties for acceptance will be made based on samples taken as
follows:

Bridge decks, overlays, bridge approach slabs, and barriers at the discharge of the
placement system. All other placements at the truck discharge.

6-02.3(6) Placing Concrete
The third paragraph is revised to read:

All foundations, forms, and contacting concrete surfaces shall be moistened with water just
before the concrete is placed. Any standing water on the foundation, on the concrete surface,
or in the form shall be removed.

The following new sentence is added after the fourth sentence in the fourth paragraph:

The submittal to the Engineer shall include justification that the concrete mix design will
remain fluid for interruptions longer than 30-minutes between placements.

6-02.3(6)D Protection Against Vibration
The first paragraph is revised to read:

Freshly placed concrete shall not be subjected to excessive vibration and shock waves
during the curing period until it has reached a 2000-psi minimum compressive strength for
structural concrete and lower strength classes of concrete.

6-02.3(10)D Concrete Placement, Finishing, and Texturing
The following paragraph is inserted at the beginning of this section:

Before placing bridge approach slab concrete, the subgrade shall be constructed in
accordance with Sections 2-06 and 5-05.3(6).

6-02.3(10)F Bridge Approach Slab Orientation and Anchors
The third sentence in the second paragraph is revised to read:

All metal parts of the approach expansion anchor shall receive one coat of paint conforming
to Section 9-08.1(2)F or be galvanized in accordance with AASHTO M 232.
6-02.3(11) Curing Concrete
In the fifth paragraph “Type 1D” is revised to read “Type 1D, Class B”.

6-02.3(17)B Allowable Design Stresses and Deflections
Under the heading “Timber”, the second sentence is revised to read:

The allowable stresses and loads shall not exceed the lesser of stresses and loads given in the table below or factored stresses for designated species and grade in Table 7.3 of the Timber Construction Manual, latest Edition by the American Institute of Timber Construction.

Under the heading “Steel”, the first sentence is revised to read:

For identified grades of steel, design stresses shall not exceed those specified in the Steel Construction Manual, latest Edition by the American Institute of Steel Construction, except as follows:

6-02.3(17)F Bracing
Under the heading "Temporary Bracing for Bridge Girders", the table is revised to read:

<table>
<thead>
<tr>
<th>Girder Series</th>
<th>Distance in Inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>W42G</td>
<td>30</td>
</tr>
<tr>
<td>W50G</td>
<td>42</td>
</tr>
<tr>
<td>W58G</td>
<td>63</td>
</tr>
<tr>
<td>W74G</td>
<td>66</td>
</tr>
<tr>
<td>Prestressed concrete tub girders with webs with flanges</td>
<td>30</td>
</tr>
<tr>
<td>W32BTG, W38BTG, and W62BTG</td>
<td>70</td>
</tr>
<tr>
<td>WF74PTG, WF83PTG, WF95PTG, and WF100PTG</td>
<td>70</td>
</tr>
</tbody>
</table>

6-02.3(17)K Concrete Forms on Steel Spans
The second and third paragraphs are revised to read:

The Contractor shall not weld any part of the form to any steel member.

The compression member or bottom connection of cantilever formwork support brackets shall bear either within six inches maximum vertically of the bottom flange or within six inches maximum horizontally of a vertical web stiffener. The Contractor’s bridge deck form system shall be designed to prevent rotation of the steel girder. This can be achieved by
temporary struts and ties or other methods the Contractor shows to be effective. Partial depth cantilever formwork support brackets that do not conform to the above requirements shall not be used, unless the Contractor submits details showing the additional formwork struts and ties used to brace the steel girder against web distortion caused by the partial depth bracket, and receives the Engineer’s approval of the submittal.

6-02.3(17)N Removal of Falsework and Forms
The first paragraph including table is revised to read:

If the Engineer does not specify otherwise, the Contractor may request to remove forms based on the criteria in the table below. Both compressive strength and minimum time criteria shall be met if both are listed in the applicable row. The minimum time shall be from the time of the last concrete placement in the forms. In no case shall the Contractor remove forms or falsework without the Engineer’s approval.
<table>
<thead>
<tr>
<th>Concrete Placed In</th>
<th>Percent of Specified Minimum Compressive Strength&lt;sup&gt;1&lt;/sup&gt;</th>
<th>Minimum Compressive Strength&lt;sup&gt;1&lt;/sup&gt;</th>
<th>Minimum Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Side forms not supporting the concrete weight, including columns, walls, crossbeams, non-sloping box girder webs, abutments, traffic and pedestrian barriers.</td>
<td>—</td>
<td>1400 psi</td>
<td>3 days</td>
</tr>
<tr>
<td></td>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Side forms of footings, pile caps, and shaft caps&lt;sup&gt;2&lt;/sup&gt;</td>
<td>—</td>
<td>—</td>
<td>18 hours</td>
</tr>
<tr>
<td>Crossbeams, sloping box girder webs, struts, inclined columns, inclined walls and other forms that support the concrete weight.</td>
<td>80</td>
<td>—</td>
<td>5 days</td>
</tr>
<tr>
<td>Bridge decks supported on stringers, beam, or girders.&lt;sup&gt;3&lt;/sup&gt;</td>
<td>80</td>
<td>—</td>
<td>10 days</td>
</tr>
<tr>
<td>Box girders, T-beam girders, and flat-slab Superstructure.&lt;sup&gt;3&lt;/sup&gt;</td>
<td>80</td>
<td>—</td>
<td>14 days</td>
</tr>
<tr>
<td>Arches.&lt;sup&gt;3&lt;/sup&gt;</td>
<td>80</td>
<td>—</td>
<td>21 days</td>
</tr>
</tbody>
</table>

1. Strength shall be proved by test cylinders made from the last concrete placed into the form. The cylinders shall be cured according to WSDOT FOP for AASHTO T 23.

2. Curing compound shall be immediately applied to the sides when forms are removed.

3. Where continuous spans are involved, the time for all spans will be determined by the last concrete placed affecting any span.

The third and fourth paragraphs are deleted.

The fifth paragraph is revised to read:

Curing shall comply as required in Section 6-02.3(11). The concrete surface shall not become dry during form removal if removed during the cure period.

6-02.3(20) Grout for Anchor Bolts and Bridge Bearings

In the fourth paragraph “9-20.3(4)” is revised to read “Section 9-20.3(4)”.

6-02.3(24) Reinforcement

This first paragraph is revised to read:
Although a bar list is normally included in the Plans, the Contracting Agency does not guarantee its accuracy and it shall be used at the Contractor’s risk. Reinforcement fabrication details shall be determined from the information provided in the Plans.

The third paragraph is deleted.

6-02.3(24)C Placing and Fastening

The eighth paragraph is revised to read:

Mortar blocks may be accepted based on a Manufacturer’s Certificate of Compliance.

The 14th paragraph is revised to read:

Clearances for main bars shall be at least:

- 4-inches between: Bars and the surface of any concrete masonry exposed to the action of salt or alkaline water.
- 3-inches between: Bars and the surface of any concrete deposited against earth without intervening forms.
- 2-½-inches between: Adjacent bars in a layer. Bridge deck bars and the top of the bridge deck.
- 2-inches between: Adjacent layers. Bars and the surface of concrete exposed to earth. Reinforcing bars and the faces of forms for exposed aggregate finish.
- 1-½-inches between: Bars and the surface of concrete when not specified otherwise in this Section or in the Plans. Barrier and curb bars and the surface of concrete.
- 1-inch between: Slab bars and the bottom of the slab. Slab bars and the top surface of the bottom slab of a cast-in-place concrete box girder.

The following new paragraph is inserted after the 14th paragraph:

Cover to ties and stirrups may be ½-inch less than the values specified for main bars but shall not be less than 1-inch.

6-02.3(24)F Mechanical Splices

Items 1, 2, and 3 in the fourth paragraph are revised to read:
1. Mechanical splices shall develop at least 125 percent of the specified yield strength of the unspliced bar. The ultimate tensile strength of the mechanical splice shall exceed that of the unspliced bar.

2. The total slip of the bar within the spliced sleeve of the connector after loading in tension to 30.0 ksi and relaxing to 3.0 ksi shall not exceed the following measured displacements between gage points clear of the splice sleeve:
   
a. 0.01 inches for bar sizes up to No. 14.

b. 0.03 inches for No. 18 bars.

3. The maximum allowable bar size for mechanical laps splices shall be No. 6.

6-02.3(25) Prestressed Concrete Girders
Under the heading "Prestressed Concrete Wide Flange I Girder" the last sentence is revised to read:

WSDOT standard girders in this category include Series WF36G, WF42G, WF50G, WF58G, WF66G, WF74G, WF83G, WF95G and WF100G

Under the heading "Spliced Prestressed Concrete Girder" the fourth sentence is revised to read:

Ducts shall conform to the Section 6-02.3(26)E requirements for internal embedded installation except that ducts for I girders may be 24 gage, semi-rigid, galvanized, corrugated, ferrous metal. Ducts shall be round, unless the Engineer approves use of elliptical shaped ducts.

Under the heading "Spliced Prestressed Concrete Girder" the last sentence is revised to read:

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

6-02.3(25)G Protection of Exposed Reinforcement
The first paragraph is revised to read:

When a girder is removed from its casting bed, all prestressing reinforcement strands projecting from the girder shall be cleaned and painted with a minimum dry film thickness of 1 mil of paint conforming to Section 9-08.1(2)B, and all steel reinforcing bars, including welded wire fabric, projecting from the girder shall be protected in accordance with Section 6-02.3(24)B. During handling and shipping, projecting reinforcement shall be protected from bending or breaking. Just before placing concrete around the projecting bars or strands, the Contractor shall remove from them all spattered concrete remaining from girder casting, dirt, oil, and other foreign matter.
6-02.3(25)I Fabrication Tolerances
Item Number 1 in the first paragraph is revised to read:

1. Prestressed Concrete Girder Length (overall): ± 1/4-inch per 25-feet of beam length, up to a maximum of ± 1-1/2-inch.

Item 23 in the first paragraph is revised to read:

23. Position of Lifting Loops: ± 3-inches longitudinal, ± 1/4-inch transverse.

6-02.3(25)L Handling and Storage
In the third sentence of the second paragraph, the reference to "1-foot-9-inches" is revised to read "3-foot-0-inches".

In the fourth paragraph, the second, third, and fourth sentences are revised to read:

The lifting locations and concrete release strengths shown in the girder schedule in the Plans assume that these temporary strands are pretensioned. Alternatively, these temporary strands may be post-tensioned, provided the same lifting locations indicated in the girder schedule are used and the strands are tensioned prior to lifting the girder from the form. These temporary strands shall be of the same diameter, and shall be tensioned to the same force, as the permanent strands.

In the fifth paragraph, the following new sentence is inserted after the second sentence:

When temporary top strands are not needed for lifting but are required for shipping, they shall be post-tensioned on the same day that the permanent prestress is released into the girder.

6-02.3(25)M Shipping
The first and second sentences of the third paragraph are revised to read:

Girder support during shipping shall be located as shown in the Plans and shall be no closer than the girder depth to the ends of the girder at the girder centerline. Support locations shown in the Plans have been determined in accordance with the criteria specified in the WSDOT Bridge Design Manual LRFD Section 5.6.3.D.

6-02.3(25)N Prestressed Concrete Girder Erection
The seventh paragraph is supplemented with the following:

The aspect ratio (height/width) of oak block wedges at the girder centerline shall not exceed 1.0.

6-02.3(26)A Shop Drawings
Item 2 in the third paragraph is revised to read:
2. Technical data on tendons and steel reinforcement, anchorage devices, anchorage
device efficiency and acceptance test results and records, anchoring stresses, types of
tendon conduit, and all other data on prestressing operations.

6-02.3(26)B General Requirements for Anchorages
The second paragraph is revised to read:

The structure shall be reinforced with steel reinforcing bars in the anchorage zone in the
vicinity of the anchorage device. This reinforcement shall be categorized into two zones.
The first or local zone shall be the concrete surrounding and immediately ahead of the
anchorage device. The second or general zone shall be the overall anchorage zone including
the local zone.

The third paragraph is revised to read:

The steel reinforcing bars required for concrete confinement in the local zone shall be
determined by the post-tensioning system supplier and shall be shown in the shop drawings.
The calculations shall be submitted with the shop drawings. The local zone steel reinforcing
bars shall be furnished and installed by the Contractor, at no additional cost to the
Contracting Agency, in addition to the structural reinforcement required by the Plans. The
steel reinforcing bars required in the general zone shall be as shown in the Plans and are
included in the appropriate bid items.

The last paragraph is replaced with the following two new paragraphs:

Anchorage devices shall meet the requirements listed in either Sections 6-02.3(26)C or 6-
02.3(26)D.

All anchorages shall develop at least 96 percent of the actual ultimate strength of the
prestressing steel, when tested in an unbonded state, without exceeding anticipated set. This
anchor efficiency test shall be performed, or inspected and certified, by an independent
testing agency approved by the Engineer.

6-02.3(26)C Bearing Type Anchorages
This section including title is revised to read:

6-02.3(26)C Normal Anchorage Devices
Normal anchorage devices, defined as post-tensioning anchorage assemblies conforming to
the factored bearing resistance requirements specified in this Section, shall provide a
factored bearing resistance greater than or equal to 1.2 times the maximum jacking force.
The Contractor shall submit calculations showing that the factored bearing resistances of the
anchorage devices are not exceeded.

The factored bearing resistance of the anchorages shall be taken as:

\[ P_f = \varphi f_n A_b \]
For which $f_n$ is the lesser of:

$$f_n = 0.7f'_{c_e}(A/A_b)^{1/2}$$
$$f_n = 2.25f'_{cl}$$

where:

- $\varphi$ = Resistance factor of 0.70
- $A$ = Maximum area of the portion of the supporting surface that is similar to the loaded area and concentric with it and does not overlap similar areas for adjacent anchorage devices (square inches)
- $A_b$ = Effective net area of the bearing plate calculated as the area $A_g$, minus the area of openings in the bearing plate (square inches)
- $A_g$ = Gross bearing area of the bearing plate calculated in accordance with the requirements specified below (square inches)
- $f_{cl}$ = Nominal compressive strength of concrete at the time of application of the tendon force (ksi)

The full bearing plate area may be used for $A_g$ and the calculation of $A_b$ if the plate material does not yield at the factored tendon force and the slenderness of the bearing plate, $n/t$, conforms to:

$$(n/t) \leq 0.08(E_b/f_b)^{0.33}$$

where:

- $t$ = Average thickness of the bearing plate (inches)
- $E_b$ = Modulus of elasticity of the bearing plate material (ksi)
- $f_b$ = Stress in the anchor plate at a section taken at the edge of the wedge hole or holes (ksi)
- $n$ = Projection of the base plate beyond the wedge hole or wedge plate, as appropriate (inches)

For anchorages with separate wedge plates, $n$ may be taken as the largest distance from the outer edge of the wedge plate to the outer edge of the bearing plate. For rectangular bearing plates, this distance shall be measured parallel to the edges of the bearing plate. If the anchorage has no separate wedge plate, $n$ may be taken as the projection beyond the outer perimeter of the group of holes in the direction under consideration.

For bearing plates that do not meet the slenderness requirement specified above, the effective gross bearing area, $A_g$, shall be taken as:

1. For anchorages with separate wedge plates, the area geometrically similar to the wedge plate, with dimensions increased by twice the bearing plate thickness.
2. For anchorages without separate wedge plates, the area geometrically similar to the outer perimeter of the wedge holes, with dimensions increased by twice the bearing plate thickness.

6-02.3(26)D Non Bearing Type Anchorages
This section including title is revised to read:

6-02.3(26)D Special Anchorage Devices
Special anchorage devices, defined as post-tensioning anchorage assemblies that do not conform to the factored bearing pressure requirements specified in Section 6-02.3(26)C, shall conform to the acceptance test requirements specified below. Acceptance testing shall be performed, or inspected and certified, by an independent testing agency approved by the Engineer. Results of the special anchorage device acceptance testing shall be recorded and submitted to the Engineer for approval in accordance with Section 6-01.9.

6-02.3(26)D1 Test Block Requirements
The test block shall be a rectangular prism of sufficient size to contain all the special anchorage device components that will also be embedded in the concrete of the Structure being post-tensioned. The arrangement of the special anchorage device components shall conform to practical application to the project and the special anchorage device manufacturer’s recommendations. The test block shall contain an empty duct of a size appropriate for the maximum tendon size that can be accommodated by the special anchorage device.

6-02.3(26)D2 Test Block Dimensions
The dimensions of the test block perpendicular to the tendon in each direction shall be the smaller of the minimum edge distance or the minimum spacing specified by the special anchorage device manufacturer, with the stipulation that the concrete cover over any confining reinforcing steel or supplementary skin reinforcement shall be appropriate for the project specific application and circumstances. The length of the block along the axis of the tendon shall be at least two times the larger of the cross-section dimensions.

6-02.3(26)D3 Local Zone Reinforcement for Confinement
The confining reinforcing steel in the local zone of the test block shall be the same as that recommended by the special anchorage device manufacturer.

6-02.3(26)D4 Supplementary Skin Reinforcement
In addition to the special anchorage device and the associated local zone reinforcement for confinement, supplementary skin reinforcement may be provided throughout the test block. Such supplementary skin reinforcement shall be as specified by the special anchorage device manufacturer, but shall not exceed a volumetric ratio of 0.01.

The Contractor shall furnish and install supplementary skin reinforcement in the anchorage zone of the Structure similar in configuration and equivalent in volumetric ratio to the supplementary skin reinforcement used in the test block, at no additional
cost to the Contracting Agency. The steel reinforcing bars shown in the Plans in corresponding portions of the general zone may be counted towards this reinforcement requirement.

6-02.3(26)D5 Test Block Concrete Strength
The compressive strength of the test block at the time of acceptance testing shall not exceed the compressive strength of the Structure being post-tensioned at the time of post-tensioning.

6-02.3(26)D6 Special Anchorage Device Acceptance Testing
Special anchorage device acceptance testing shall be conducted in accordance with one of the following test methods:

1. Cyclic load test
2. Sustained load test
3. Monotonic load test

The loads specified for the tests are specified in fractions of the ultimate load \( F_{pu} \) of the largest tendon that the special anchorage device is designed to accommodate. The specimen shall be loaded in accordance with conventional usage of the device in post-tensioning applications, except that the load may be applied directly to the wedge plate or equivalent area.

6-02.3(26)D7 Cyclic Loading Test
A load of 0.8\( F_{pu} \) shall be applied. The load shall then be cycled between 0.1\( F_{pu} \) and 0.8\( F_{pu} \) until crack widths stabilize, but for not less than ten cycles. Crack widths are considered stabilized if they do not change by more than 0.001 inches over the last three readings. Upon completion of the cyclic loading portion of the test, the specimen shall be loaded to failure, or, if limited by the capacity of the loading equipment, to at least 1.1\( F_{pu} \).

Crack widths and crack patterns shall be recorded at the initial load of 0.8\( F_{pu} \), at least at the last three consecutive peak loadings before termination of the cyclic loading portion of the test, and at 0.9\( F_{pu} \). The maximum load shall also be reported.

6-02.3(26)D8 Sustained Loading Test
A load of 0.8\( F_{pu} \) shall be applied and held constant until crack widths stabilize, but not less than 48 hours. Crack widths are considered stabilized if they do not change by more than 0.001 inches over the last three readings. Upon completion of the sustained loading portion of the test, the specimen shall be loaded to failure, or, if limited by the capacity of the loading equipment, to at least 1.1\( F_{pu} \).

Crack widths and crack patterns shall be recorded at the initial load of 0.8\( F_{pu} \), at least three times at intervals of not less than four hours during the last 12 hours of the sustained loading time period, and at 0.9\( F_{pu} \). The maximum load shall also be reported.
6-02.3(26)D9 Monotonic Loading Test
A load of $0.9F_{pu}$ shall be applied and held constant for one hour. Upon completion of
the one hour load hold period, the specimen shall be loaded to failure, or, if limited by
the capacity of the loading equipment, to at least $1.2F_{pu}$.

Crack widths and crack patterns shall be recorded at $0.9F_{pu}$, at the conclusion of the one
hour load hold period, and at $1.0F_{pu}$. The maximum load shall also be reported.

6-02.3(26)D10 Special Anchorage Device Test Performance Requirements
The test block shall conform to the following load requirements under test load:

1. The maximum test load for cyclic loading and sustained loading tests shall be
$1.1F_{pu}$ minimum.

2. The maximum test load for monotonic loading tests shall be $1.2F_{pu}$ minimum.

The test block shall conform to the following crack width requirements under test load:

1. Cracks shall not exceed 0.010 inches in width at $0.8F_{pu}$ at completion of the
cyclic loading test or sustained loading test, or at $0.9F_{pu}$ after the one hour load
hold period of the monotonic loading test.

2. Cracks shall not exceed 0.016 inches at $0.9F_{pu}$ for the cyclic loading test or the
sustained loading test, or at $1.0F_{pu}$ for the monotonic loading test.

6-02.3(26)D11 Test Series Requirements
A test series shall consist of three test specimens. Each one of the tested specimens
shall conform to the acceptance criteria specified above. If one of the three specimens
fails to pass the test, a supplementary test series of three additional specimens shall be
conducted. The three additional test specimens shall conform to the specified
acceptance criteria.

6-02.3(26)D12 Special Anchorage Device Acceptance Testing Results Report
The special anchorage device acceptance testing results report shall consist of the
following:

1. Dimensions of the test specimen.

2. Working drawings with details and dimensions of the special anchorage
device, including all confining reinforcing steel.

3. Amount and arrangement of supplementary skin reinforcement.

4. Type and yield strength of reinforcing steel.

5. Type and compressive strength of the concrete at the time of testing.
6. Type of testing procedure and all measurements specified for each specimen under the test.

The special anchorage device manufacturer shall specify auxiliary and confining reinforcement, minimum edge distance, minimum anchor spacing, and minimum concrete strength at the time of stressing required for proper performance of the local zone.

6-02.3(26)E Ducts

Beneath the heading “Ducts for Internal Embedded Installation” the second sentence in the second paragraph is revised to read:

Polypropylene ducts shall conform to ASTM D 4101 with a cell classification range of PP0340B14541 to PP0340B67884.

This section is supplemented with the following:

All duct splices, joints, couplings and connections to anchorages shall be made with devices or methods (mechanical couplers, plastic sleeves, shrink sleeve) that are approved by the duct manufacturer and produce a smooth interior alignment with no lips or kinks. All connections and fittings shall be air and mortar tight. Taping is not acceptable for connections and fittings.

6-02.3(26)G Tensioning

Items 1 and 2 in the first paragraph are revised to read:

1. Stressing equipment shall be capable of producing a jacking force of at least 81 percent of the specified tensile strength of the post-tensioning reinforcement.

2. Jacking force test capacity shall be at least 95 percent of the specified tensile strength of the post-tensioning reinforcement.

Items 1, 2 and 3 in the sixth paragraph are revised to read:

1. During jacking prior to seating: 90 percent of the yield strength of the steel.

2. At anchorages after seating: 70 percent of the specified tensile strength of the steel.

3. At service limit state after losses: 80 percent of the yield strength of the steel.

The second sentence of the second subparagraph under the eighth paragraph is revised to read:

The test specimen shall be tensioned to 80 percent of the specified tensile strength in ten increments.
The last sentence of the eleventh paragraph is revised to read:

The tendon is acceptable if the verification lift off force is not less than 99 percent of the approved calculated force nor more than 70 percent of the specified tensile strength of the prestressing steel or as approved by the Engineer.

6-02.3(26)H Grouting
The first sentence in the last paragraph is deleted.

6-02.3(27) Concrete for Precast Units
The first paragraph is supplemented with the following:

Type III portland cement is permitted to be used in precast concrete units.

The third paragraph is deleted.

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

6-02.3(27)A Use of Self Consolidating Concrete for Precast Units
Self Consolidating Concrete (SCC) is concrete that is able to flow under its own weight and completely fill the formwork without the need of any vibration while maintaining homogeneity, even in the presence of dense reinforcement. SCC shall be capable of flowing through the steel reinforcing bar cage without segregation or buildup of differential head inside or outside of the steel reinforcing bar cage.

SCC may be used for the following precast concrete structure elements:

1. Precast roof, wall and floor panels, and retaining wall panels in accordance with Section 6-02.3(28).

2. Precast reinforced concrete three sided structures in accordance with Section 6-02.3(28) as supplemented in the Special Provisions.

3. Precast concrete barrier in accordance with Section 6-10.3(1).

4. Precast concrete wall stem panels in accordance with Section 6-11.3(3).

5. Precast concrete noise barrier wall panels in accordance with Section 6-12.3(6).

6. Structural earth wall precast concrete facing panels in accordance with Section 6-13.3(4).

7. Precast drainage structure elements in accordance with Section 9-05.50.

8. Precast junction boxes, cable vaults, and pull boxes in accordance with Section 9-29.2.
6-02.3(27)B Submittals for Self Consolidating Concrete for Precast Units

With the exception of items 3, 7, and 8 in Section 6-02.3(27)A, the Contractor shall submit the mix design for SCC to the Engineer for annual approval in accordance with Section 6-02.3(28)B. The mix design submittal shall include items specified in Section 6-02.3(2)A and results of the following tests conducted on concrete that has slump flow within the slump flow range defined below:

   a. The mix design shall specify the target slump flow in inches, in accordance with WSDOT FOP for ASTM C 1611. The slump flow range is defined as the target slump flow plus or minus 2-inches.
   b. The visual stability index (VSI) shall be less than or equal to 1, in accordance with ASTM C 1611, Appendix X1, using Filling Procedure B.
   c. The $T_{50}$ flow rate results shall be less than 6-seconds in accordance with ASTM C 1611, Appendix X1, using Filling Procedure B.

2. Column Segregation.
   a. The maximum static segregation shall be 10-percent in accordance with ASTM C 1610.
   b. The Maximum Hardened Visual Stability Index (HVSI) shall be 1 in accordance with AASHTO PP 58.

3. J ring test results for passing ability shall be less than or equal to 1.5-inches in accordance with the WSDOT FOP for ASTM C 1621.

4. Air content shall be tested in accordance with WSDOT Test Method T 818, and shall conform to Section 6-02.3(2)A.

5. Concrete unit weight results in pounds per cubic foot shall be recorded in accordance with AASHTO T 121, except that the concrete shall not be consolidated in the test mold.

6. The temperature of all concrete laboratory test samples shall be tested in accordance with AASHTO T 309 and shall conform to the placement limits specified in Section 6-02.3(4)D.

7. The modulus of elasticity in pounds per square inch at 28 days shall be recorded in accordance with ASTM C 469.

Use of Type III cement is permitted.
Placement for construction may include consolidation using light vibration, but the requirements of Section 6-02.3(4)C for consistency will not apply.

Items 3, 7, and 8 in Section 6-02.3(27)A require the precast plant to cast one representative structure acceptable to the Engineer and have the structure sawn in half for examination by the Contracting Agency to determine that segregation has not occurred. The Contracting Agency's approval of the sawn structure will constitute approval of the precast plant to use SCC and a concrete mix design submittal is not required.

6-02.3(27)C Acceptance Testing of Self Consolidating Concrete for Precast Units
Acceptance testing shall be performed by the Contractor and test results shall be submitted to the Engineer. Placement of SCC for concrete testing such as cylinder preparation shall be in accordance with WSDOT Test Method T 819.

SCC for items 1, 2, 4, 5, and 6 in Section 6-02.3(27)A will be accepted in accordance with Section 6-02.3(5) procedures, and based on conformance to the requirements specified above and in Section 6-02.3(2)A, for the following:

1. Temperature.
2. Air content.
3. Compressive strength at 28-days.
4. Slump flow within the target slump flow range.
5. J ring passing ability less than or equal to 1.5-inches.
6. VSI less than or equal to 1.

SCC for concrete barrier will be accepted in accordance with temperature, air, and compressive strength testing listed above.

SCC for precast junction boxes, cable vaults, and pull boxes will be accepted in accordance with temperature and compressive strength testing listed above.

SCC for precast drainage structure elements will be accepted in accordance with the requirements of AASHTO M 199.

6-02.3(28) Precast Concrete Panels
In this section, all references to “units” are revised to read “panels”.

6-02.3(28)B Casting
The second paragraph is revised to read:
Concrete shall meet requirements of Section 6-02.3(25)B for annual pre-approval of the concrete mix design, and slump. If SCC is used the concrete shall conform to Sections 6-02.3(27)B and 6-02.3(27)C.

6-02.3(28)T Tolerances
The reference to "PCI-MNL-166" is revised to read "PCI-MNL-116".

6-02.4 Measurement
The first sentence in the seventh paragraph is revised to read:

All reinforcing steel will be measured by the computed weight of all metal, including mechanical splices, actually in place and required by the Plans or the Engineer.

Item no. 2 in the seventh paragraph is revised to read:

2. Extra steel in splices not shown in the Plans or specified in the Plans as optional.

The following new paragraph is inserted after item number 3 in the seventh paragraph:

The weight of mechanical splices will be based on the weight specified in the manufacturer’s catalog cut for the specific item.

6-02.5 Payment
The bid item “St. Reinf. Bar” is revised to read:

“St. Reinf. Bar___”

The bid item “Epoxy-Coated St. Reinf. Bar” is revised to read:

“Epoxy-Coated St. Reinf. Bar___”

The paragraph after the bid item “Epoxy-Coated St. Reinf. Bar” is revised to read:

Payment for reinforcing steel shall include the cost of furnishing, fabricating, placing, and splicing the reinforcement. In structures of reinforced concrete where there are no structural steel bid items, such minor metal parts as expansion joints, bearing assemblies, and bolts will be paid for at the unit contract price for “St. Reinf. Bar___” unless otherwise specified.

DIVISION 7
DRAINAGE STRUCTURES, STORM SEWERS, SANITARY SEWERS, WATER MAINS, AND CONDUITS
SECTION 7-02, CULVERTS  
January 3, 2011

7-02.2 Materials  
In the first paragraph, the following three items are inserted after the item "Corrugated Polyethylene Culvert Pipe 9-05.19":

Steel Rib Reinforced Polyethylene Culvert Pipe 9-05.21  
High Density Polyethylene (HDPE) Pipe 9-05.23  
Polypropylene Culvert Pipe 9-05.25

The third paragraph is revised to read:

Thermoplastic culvert pipe includes solid wall PVC culvert pipe, profile wall PVC culvert pipe, corrugated polyethylene culvert pipe, and polypropylene culvert pipe.

In the ‘Culvert Pipe Schedules’ table, the last column is revised to read:

<table>
<thead>
<tr>
<th>Thermoplastic</th>
<th>PE, PVC, or PP</th>
<th>PE, PVC, or PP</th>
<th>PE, PVC, or PP</th>
<th>PE, PVC, or PP</th>
<th>PE, PVC, or PP</th>
<th>None</th>
<th>None</th>
<th>None</th>
<th>None</th>
<th>None</th>
<th>None</th>
</tr>
</thead>
</table>

The footnotes below the ‘Culvert Pipe Schedules’ table are supplemented with the following:

3 Polypropylene pipe

7-02.5 Payment  
This section is supplemented with the following:

“Steel Rib Reinforced Polyethylene Culvert Pipe ____ In. Diam.”, per linear foot.  
“High Density Polyethylene (HDPE) Pipe ____ In. Diam.”, per linear foot.  
“Polypropylene Culvert Pipe ____ In. Diam.”, per linear foot.
SECTION 7-04, STORM SEWERS
January 3, 2011

7-04.2 Materials
In the first paragraph, the following three items are inserted after the item "Corrugated Polyethylene Storm Sewer Pipe 9-05.20":

Steel Rib Reinforced Polyethylene Storm Sewer Pipe 9-05.22
High Density Polyethylene (HDPE) Pipe 9-05.23
Polypropylene Storm Sewer Pipe 9-05.25

The third paragraph is revised to read:

Thermoplastic storm sewer pipe includes solid wall PVC storm sewer pipe, profile wall PVC storm sewer pipe, corrugated polyethylene storm sewer pipe, and polypropylene storm sewer pipe.

In the 'Storm Sewer Pipe Schedules' table, the fifth column heading is revised to read:

PE⁴
PP⁴

The footnotes below the 'Storm Sewer Pipe Schedules' table are supplemented with the following:

4 PP=Polypropylene pipe

7-04.5 Payment
This section is supplemented with the following:

"Steel Rib Reinforced Polyethylene Storm Sewer Pipe ____ In. Diam.", per linear foot.
"High Density Polyethylene (HDPE) Pipe ____ In. Diam.", per linear foot.
"Polypropylene Storm Sewer Pipe ____ In. Diam.", per linear foot.

DIVISION 8
MISCELLANEOUS CONSTRUCTION

SECTION 8-01, EROSION CONTROL AND WATER POLLUTION CONTROL
August 1, 2011

8-01.2 Materials
In the first paragraph, the following is inserted after the first sentence:

Corrugated Polyethylene Drain Pipe 9-05.1(6)
8-01.3(1) General

In the sixth paragraph, the first sentence is revised to read:

When natural elements rut or erode the slope, the Contractor shall restore and repair the damage with the eroded material where possible, and remove and dispose of any remaining material found in ditches and culverts.

In the seventh paragraph the first two sentences are deleted.

The table in the seventh paragraph is revised to read:

**Western Washington (West of the Cascade Mountain crest)**

<table>
<thead>
<tr>
<th>Period</th>
<th>Acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 1 through September 30</td>
<td>17</td>
</tr>
<tr>
<td>October 1 through April 30</td>
<td>5</td>
</tr>
</tbody>
</table>

**Eastern Washington (East of the Cascade Mountain crest)**

<table>
<thead>
<tr>
<th>Period</th>
<th>Acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 1 through October 31</td>
<td>17</td>
</tr>
<tr>
<td>November 1 through March 31</td>
<td>5</td>
</tr>
</tbody>
</table>

The eighth paragraph is revised to read:

The Engineer may increase or decrease the limits based on project conditions.

The ninth paragraph is revised to read:

Erodible earth is defined as any surface where soils, grindings, or other materials may be capable of being displaced and transported by rain, wind, or surface water runoff.

The 10th paragraph is revised to read:

Erodible earth not being worked, whether at final grade or not, shall be covered within the specified time period, (see the tables below) using an approved soil covering practice.

**Western Washington (West of the Cascade Mountain crest)**

<table>
<thead>
<tr>
<th>Period</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 1 through April 30</td>
<td>2-days</td>
</tr>
<tr>
<td>May 1 to September 30</td>
<td>307-days</td>
</tr>
</tbody>
</table>

**Eastern Washington (East of the Cascade Mountain crest)**

<table>
<thead>
<tr>
<th>Period</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 1 through June 30</td>
<td>5-days</td>
</tr>
<tr>
<td>July 1 through September 30</td>
<td>10-days</td>
</tr>
</tbody>
</table>

8-01.3(1)A Submittals

This section is revised to read:
When a Temporary Erosion and Sediment Control (TESC) Plan is included in the Plans, the Contractor shall either adopt or modify the existing TESC Plan. The Contractor shall provide a schedule for TESC Plan implementation and incorporate it into the Contractor’s progress schedule. The Contractor shall obtain the Engineer’s approval of the TESC Plan and schedule before any work begins.

Modified TESC Plans shall meet all requirements of Chapter 6, Section 6-2 of the current edition of the WSDOT Highway Runoff Manual. The TESC Plan shall cover all areas the Contractor’s Work may affect inside and outside the limits of the project (including all Contracting Agency provided sources, disposal sites, and haul roads, and all nearby land, streams, and other bodies of water).

The Contractor shall allow at least 5-working days for the Engineer to review any original or revised TESC Plan. Failure to approve all or part of any such Plan shall not make the Contracting Agency liable to the Contractor for any Work delays.

8-01.3(1)B Erosion and Sediment Control (ESC) Lead
The first sentence in the third paragraph is revised to read:

When a TESC Plan is included in the Contract Plans, the ESC Lead shall also inspect all areas disturbed by construction activities, all on-site erosion and sediment control BMP’s, and all stormwater discharge points at least once every calendar week and within 24-hours of runoff events in which stormwater discharges from the site. Inspections of temporarily stabilized, inactive sites may be reduced to once every calendar month.

In the last paragraph, "Form Number 220-030 EF" is revised to read "WSDOT Form Number 220-030 EF".

8-01.3(1)C Water Management
In number 2., the reference to "Standard Specification" is revised to read "Section".

Number 3., is revised to read:

3. Offsite Water
Prior to disruption of the normal watercourse, the Contractor shall intercept the offsite stormwater and pipe it either through or around the project site. This water shall not be combined with onsite stormwater. It shall be discharged at its pre-construction outfall point in such a manner that there is no increase in erosion below the site. The method for performing this Work shall be submitted by the Contractor for the Engineer’s approval.

8-01.3(1)D Dispersion/Infiltration
This section is revised to read:

Water shall be conveyed only to dispersion or infiltration areas designated in the TESC Plan or to sites approved by the Engineer. Water shall be conveyed to designated dispersion areas
at a rate such that, when runoff leaves the area, and enters waters of the State, turbidity
standards are achieved. Water shall be conveyed to designated infiltration areas at a rate that
does not produce surface runoff.

8-01.3(2)B Seeding and Fertilizing
The fourth paragraph is revised to read:

The seed applied using a hydroseeder shall have a tracer added to visibly aid uniform
application. This tracer shall not be harmful to plant, aquatic or animal life. If Short Term
Mulch is used as a tracer, the application rate shall not exceed 250-pounds per acre.

In the fifth paragraph, "hydro seeder" is revised to read "hydroseeder".

8-01.3(2)D Mulching
In the second paragraph, the second sentence is revised to read:

Wood strand mulch shall be applied by hand or by straw blower on seeded areas.

In the third paragraph, "1" is revised to read "a single" and "hydro seeder" is revised to read
"hydroseeder".

The fourth paragraph is revised to read:

Temporary seed applied outside the application windows established in 8-01.3(2)F shall be
covered with a mulch containing either Moderate Term Mulch or Long Term Mulch, as
designated by the Engineer.

8-01.3(2)E Tacking Agent and Soil Binders
The following new paragraph is inserted at the beginning of this Section:

Tacking agent or soil binders applied using a hydroseeder shall have a mulch tracer added to
visibly aid uniform application. This tracer shall not be harmful to plant, aquatic or animal
life. If Short Term Mulch is used as a tracer, the application rate shall not exceed 250-
pounds per acre.

The third sentence in the first paragraph below “Soil Binding Using Polyacrylamide (PAM)” is
revised to read:

A minimum of 200-pounds per acre of Short Term Mulch shall be applied with the dissolved
PAM.

In the second paragraph below “Soil Binding Using Polyacrylamide (PAM)”, “within” is
revised to read “after”.

The paragraph “Soil Binding Using Bonded Fiber Matrix (BFM)” including title is revised to
read:
Soil Binding Using Moderate Term Mulch

The Moderate Term Mulch shall be hydraulically applied in accordance with the manufacturer's installation instructions. The Moderate Term Mulch may require a 24 to 48 hour curing period to achieve maximum performance and shall not be applied when precipitation is predicted within 24 to 48 hours, or on saturated soils, as determined by the Engineer.

The last paragraph including titled is revised to read:

Soil Binding Using Long Term Mulch

The Long Term Mulch shall be hydraulically applied in accordance with the manufacturer's installation instructions and recommendations.

8-01.3(2)F Dates for Application of Final Seed, Fertilizer, and Mulch

The first paragraph is revised to read:

Unless otherwise approved by the Engineer, the final application of seeding, fertilizing, and mulching of slopes shall be performed during the following periods:

<table>
<thead>
<tr>
<th>Western Washington</th>
<th>Eastern Washington</th>
</tr>
</thead>
<tbody>
<tr>
<td>(West of the Cascade Mountain crest)</td>
<td>(East of the Cascade Mountain crest)</td>
</tr>
<tr>
<td>March 1 through May 15</td>
<td>October 1 through November 15 only</td>
</tr>
<tr>
<td>September 1 through October 1</td>
<td></td>
</tr>
</tbody>
</table>

1 Where Contract timing is appropriate, seeding, fertilizing, and mulching shall be accomplished during the fall period listed above. Written permission to seed after October 1 will only be given when Physical Completion of the project is imminent and the environmental conditions are conducive to satisfactory growth.

8-01.3(2)G Protection and Care of Seeded Areas

The first paragraph is revised to read:

The Contractor shall be responsible to ensure a healthy stand of grass. The Contractor shall restore eroded areas, clean up and properly dispose of eroded materials, and reapply the seed, fertilizer, and mulch, at no additional cost to the Contracting Agency.

In the second paragraph, number 1. is revised to read:

1. At the Contractor's expense, seed, fertilizer and mulch shall be reapplied in areas that have been damaged through any cause prior to final inspection, and reapplied to areas that have failed to receive a uniform application at the specified rate.

8-01.3(2)H Inspection

The first sentence is revised to read:
Inspection of seeded areas will be made upon completion of seeding, temporary seeding, fertilizing, and mulching.

The third sentence is revised to read:

Areas that have not received a uniform application of seed, fertilizer, or mulch at the specified rate, as determined by the Engineer, shall be reseeded, refertilized, or remulched at the Contractor's expense prior to payment.

8-01.3(2) Mowing
In the first paragraph, the last sentence is revised to read:

Trimming around traffic facilities, Structures, planting areas, or other features extending above ground shall be accomplished preceding or simultaneously with each mowing.

8-01.3(3) Placing Erosion Control Blanket
In the first sentence, "Standard" is deleted.

The second sentence is revised to read:

Temporary erosion control blankets, having an open area of 60-percent or greater, may be installed prior to seeding.

8-01.3(4) Placing Compost Blanket
In the first paragraph, "before" is revised to read "prior to".

The last sentence is revised to read:

Compost shall be Coarse Compost.

8-01.3(5) Placing Plastic Covering
The first sentence is revised to read:

Plastic shall be placed with at least a 12-inch overlap of all seams.

8-01.3(6)A Geotextile-Encased Check Dam
The first paragraph is deleted.

8-01.3(6)B Rock Check Dam
This section including title is revised to read:

8-01.3(6)B Quarry Spall Check Dam
The rock used to construct rock check dams shall meet the requirements for quarry spalls.

8-01.3(6)D Wattle Check Dam
This section is revised to read:
Wattle check dams shall be installed in accordance with the Plans.

8-01.3(6)E  Coir Log
This section is revised to read:

Coir logs shall be installed in accordance with the Plans.

8-01.3(9)A  Silt Fence
In the second paragraph, the second sentence is revised to read:

The strength of the wire or plastic mesh shall be equivalent to or greater than what is required in Section 9-33.2(1), Table 6 for unsupported geotextile (i.e., 180 lbs. grab tensile strength in the machine direction).

8-01.3(9)B  Gravel Filter, Wood Chip or Compost Berm
In the second paragraph, the last sentence is deleted.

The third paragraph is revised to read:

The Compost Berm shall be constructed in accordance with the detail in the Plans. Compost shall be Coarse Compost.

8-01.3(9)C  Straw Bale Barrier
This section is revised to read:

Straw Bale Barriers shall be installed in accordance with the Plans.

8-01.3(9)D  Inlet Protection
The first three paragraphs are revised to read:

Inlet protection shall be installed below or above, or as a prefabricated cover at each inlet grate, as shown in the Plans. Inlet protection devices shall be installed prior to beginning clearing, grubbing, or earthwork activities.

Geotextile fabric in all prefabricated inlet protection devices shall meet or exceed the requirements of Section 9-33.2, Table 1 for Moderate Survivability, and the minimum filtration properties of Table 2.

When the depth of accumulated sediment and debris reaches approximately ½ the height of an internal device or ½ the height of the external device (or less when so specified by the manufacturers) or as designated by the Engineer, the deposits shall be removed and stabilized on site in accordance with Section 8-01.3(16).

8-01.3(10)  Wattles
In the first paragraph, the third sentence is revised to read:
Excavated material shall be spread evenly along the uphill slope and be compacted using hand tamping or other method approved by the Engineer.

This section is supplemented with the following new paragraph:

The Contractor shall exercise care when installing wattles to ensure that the method of installation minimizes disturbance of waterways and prevents sediment or pollutant discharge into waterbodies.

8-01.3(12) Compost Sock
In the first paragraph, "sock" is revised to read "socks" and "streambed" is revised to read "waterbodies".

In the second paragraph "bank" is revised to read "slope".

In the third paragraph "and" is revised to read "or".

This section is supplemented with the following new paragraph:

Compost for Compost Socks shall be Coarse Compost.

8-01.3(14) Temporary Pipe Slope Drain
The first paragraph is revised to read:

Temporary pipe slope drain shall be Corrugated Polyethylene Drain Pipe and shall be constructed in accordance with the Plans.

The last paragraph is revised to read:

Placement of outflow of the pipe shall not pond water on road surface.

8-01.3(15) Maintenance
In the fourth paragraph, the last sentence is revised to read:

Clean sediments may be stabilized on site using approved BMPs as approved by the Engineer.

8-01.3(16) Removal
In the second paragraph, the last sentence is revised to read:

This may include, but is not limited to, ripping the soil, incorporating soil amendments, and seeding with the specified seed.

8-01.4 Measurement
The eighth paragraph is revised to read:
Silt fence, gravel filter, compost berms, and wood chip berms will be measured by the linear foot along the ground line of completed barrier.

8-01.5 Payment
The following bid items are relocated after the bid item "Check Dam":

“Inlet Protection”, per each.

“Gravel Filter Berm”, per linear foot.

The following new paragraph is inserted before the bid item "Stabilized Construction Entrance":

The unit Contract price per linear foot for “Check Dam” and “Gravel Filter Berm” and per each for “Inlet Protection” shall be full pay for all equipment, labor and materials to perform the Work as specified, including installation, removal and disposal at an approved disposal site.

The paragraph after the bid item "Temporary Curb" is revised to read:

The unit Contract price per linear foot for “Temporary Curb” shall include all costs to install, maintain, remove, and dispose of the temporary curb.

The following bid item is inserted after the bid item “Mulching with Pam”:

“Mulching with Short Term Mulch”, per acre.

The bid item “Mulching with BFM” is revised to read:

“Mulching with Moderate Term Mulch”

The bid item “Mulching with MBFM/FRM” is revised to read:

“Mulching with Long Term Mulch”

SECTION 8-15, RIPRAP
January 4, 2010

8-15.2 Materials
The referenced sections for the following items are revised to read:

Heavy Loose Riprap 9-13
Light Loose Riprap 9-13
Hand Placed Riprap 9-13
Sack Riprap 9-13
SECTION 8-21, PERMANENT SIGNING
August 1, 2011

8-21.3(4) Sign Removal
In the fourth paragraph, the following sentence is inserted after the second sentence:

Where signs are removed from existing overhead sign Structures, the existing vertical sign support braces shall also be removed.

In the fourth paragraph, the third sentence is revised to read:

Aluminum signs, wood signs, wood sign posts, wood structures, metal sign posts, wind beams, and other metal structural members, and all existing fastening hardware connecting such members being removed, shall become the property of the Contractor and shall be removed from the project.

8-21.3(9)F Foundations
In the ninth paragraph, the following new statement is inserted as number 1. Existing numbers 1 through 6 of the ninth paragraph shall be renumbered to 2 through 7.

1. Foundation excavations shall conform to the requirements of Section 2-09.3(3).

In the tenth paragraph, item number 2 is revised to read:

2. Steel reinforcement, including spiral reinforcing, shall conform to Section 9-07.2.

In the tenth paragraph, item number 3 is revised to read:

3. Unless otherwise shown in the Plans, the concrete shall be commercial grade concrete.

8-21.3(9)G Identification Plates
This section including title is revised to read:

8-21.3(9)G Sign Structure Identification Information
Whenever existing bridge mounted sign brackets, cantilever sign structures, or sign bridge structures are removed from their anchorage, whether temporary or permanent, the Contractor shall provide the sign structure identification information, attached to the sign structures, to the Engineer. The identification information may be in the form of a riveted plate, sticker, or other means.

8-21.3(12) Steel Sign Posts
This section is supplemented with the following:
For roadside sign structures on SB-1, SB-2, or SB-3 slip bases, the Contractor shall use the following procedures and manufacturer’s recommendations:

1. The Contractor shall assemble the perforated square steel post or solid square steel post to the upper slip plate with bolts, nuts, and washers as shown in the Plans.

2. The three bolts connecting the upper and lower slip plates shall be tightened using as a torque wrench to the torque, following the procedures in the Plans.

For roadside structures on ST-2 and ST-4 sign supports, the Contractor shall use the following procedures:

1. The Contractor shall assemble the perforated square steel post to the lower sign post support with bolts, nuts, and washers as shown in the Plans.

SECTION 8-22, PAVEMENT MARKING
August 1, 2011

8-22.1 Description
The last sentence in the second paragraph is revised to read:
Traffic letters used in word messages shall be sized as shown in the Plans.

8-22.4 Measurement
In the sixth paragraph “Painted Line” is revised to read “Paint Line”.
The first sentence in the seventh paragraph is revised to read:
Traffic arrows, traffic letters, access parking space symbols, HOV symbols, railroad crossing symbols, drainage markings, junction box markings, bicycle lane symbols, aerial surveillance full, and ½ markers, yield line symbols, yield ahead symbols, and speed bump symbols will be measured per each.

8-22.5 Payment
This section is supplemented with the following:
“Painted Junction Box Marking”, per each
“Plastic Junction Box Marking “per each

DIVISION 9
MATERIALS
SECTION 9-01, PORTLAND CEMENT
April 5, 2010

9-01.2(1) Portland Cement
In the first paragraph, all the text after “shall not exceed 8-percent by weight” is deleted and the paragraph ends.

In the second paragraph, “per” is revised to read “in accordance with”.

SECTION 9-02, BITUMINOUS MATERIALS
January 3, 2011

9-02.1(8) Flexible Bituminous Pavement Marker Adhesive
This section is revised to read:

Flexible bituminous pavement marker adhesive is a hot melt thermoplastic bituminous material used for bonding raised pavement markers and recessed pavement markers to the pavement.

The adhesive material shall conform to the following requirements when prepared in accordance with the Materials Manual WSDOT Standard Operating Procedure (SOP) No. 318:

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Penetration, 77°F, 100g, 5 sec, dmm</td>
<td>AASHTO T 49</td>
<td>30 Max.</td>
</tr>
<tr>
<td>Softening Point, F</td>
<td>AASHTO T 53</td>
<td>200 Min.</td>
</tr>
<tr>
<td>Rotational Thermosel Viscosity, cP, #27 spindle, 20 RPM, 400°F</td>
<td>AASHTO T 316</td>
<td>5000 Max.</td>
</tr>
<tr>
<td>Ductility, 77°F, 5 cm/minute, cm</td>
<td>AASHTO T 51</td>
<td>15 Min.</td>
</tr>
<tr>
<td>Ductility, 39.2°F, 1 cm/minute, cm</td>
<td>ASTM D 51</td>
<td>5 Min.</td>
</tr>
<tr>
<td>Flexibility, 1&quot;, 20°F, 90 deg. Bend, 10 sec., ¼&quot;×⅓&quot;× 6&quot; specimen</td>
<td>ASTM D 3111 DOI 1</td>
<td>Pass</td>
</tr>
<tr>
<td>Bond Pull-Off Strength</td>
<td>WSDOT T-426</td>
<td>Greater than 50 psi</td>
</tr>
</tbody>
</table>

Note 1: Flexibility test is modified by bending specimen through an arc of 90 degrees at a uniform rate in 10 seconds over a 1-inch diameter mandrel.
9-02.1(9) Coal Tar Pitch Emulsion, Cationic Asphalt Emulsion Blend Sealer

This section including title is revised to read:

9-02.1(9) Vacant

SECTION 9-03, AGGREGATES
August 1, 2011

In this Division, all references to "AASHTO TP 61" are revised to read "AASHTO T 335".

9-03.4(2) Grading and Quality
In the “Crush Screening Percent Passing” table, the sixth column titled “3/8 – No. 10” is deleted.

9-03.10 Aggregate for Gravel Borrow
The first paragraph is revised to read:

Gravel base shall consist of granular material, either naturally occurring or processed. It shall be essentially free from various types of wood waste or other extraneous or objectionable materials. It shall have such characteristics of size and shape that it will compact readily and the maximum particle size shall not exceed 3/8 of the depth of the layer being placed.

The second paragraph is deleted.

9-03.11(2) Streambed Cobbles
The first paragraph is revised to read:

Streambed cobbles shall be clean, naturally occurring water rounded gravel material. Streambed cobbles shall have a well graded distribution of cobble sizes and conform to one or more of the following gradings as shown in the Plans:

<table>
<thead>
<tr>
<th>Approximate Size</th>
<th>4” Cobbles</th>
<th>6” Cobbles</th>
<th>8” Cobbles</th>
<th>10” Cobbles</th>
<th>12” Cobbles</th>
</tr>
</thead>
<tbody>
<tr>
<td>12” cobbles</td>
<td></td>
<td></td>
<td></td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>10” cobbles</td>
<td></td>
<td></td>
<td></td>
<td>100</td>
<td>70-90</td>
</tr>
<tr>
<td>8” cobbles</td>
<td></td>
<td></td>
<td>100</td>
<td>70-90</td>
<td></td>
</tr>
<tr>
<td>6” cobbles</td>
<td></td>
<td>100</td>
<td>70-90</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5” cobbles</td>
<td></td>
<td></td>
<td>70-90</td>
<td></td>
<td>30-60.</td>
</tr>
<tr>
<td>4” cobbles</td>
<td></td>
<td></td>
<td>100</td>
<td></td>
<td>30-60.</td>
</tr>
<tr>
<td>3” cobbles</td>
<td></td>
<td></td>
<td>70-90</td>
<td>30-60.</td>
<td></td>
</tr>
<tr>
<td>2&quot;</td>
<td>30-60.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>---------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1½&quot;</td>
<td>20-50</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>¾&quot;</td>
<td>10 max.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

In the second paragraph, “determine” is revised to read “determined”.

9-03.12(1)B Class B
This section is revised to read:

Gravel backfill for foundations, Class B, shall conform to the requirements of Section 9-03.10.

9-03.20 Test Methods for Aggregates
The last row of the table is deleted.

9-03.21(1) General Requirements
This sections content is deleted and replaced with:

Hot Mix Asphalt, Concrete Rubble, Recycled Glass and Steel Furnace Slag may be used as, or blended uniformly with, naturally occurring materials for aggregates. The final blended product and the recycled material component included in a blended product shall meet the specification requirements for the specified type of aggregate. The Contracting Agency may collect verification samples at any time. Blending of more than one type of recycled material into the naturally occurring materials requires approval of the Engineer prior to use.

Recycled materials obtained from the Contracting Agency’s roadways will not require toxicity testing or certification for toxicity characteristics.

Recycled materials that are imported to the job site will require testing and certification for toxicity characteristics. The recycled material supplier shall keep all toxicity test results on file and provide copies to the Project Engineer upon request. The Contractor shall provide the following:

- Identification of the recycled materials proposed for use.
- Sampling documentation no older than 90 days from the date the recycled material is placed on the project. Documentation shall include a minimum of 5 samples tested for total lead content by EPA Method 6010. Total lead test results shall not exceed 250 ppm. For samples that exceed 100 ppm, that sample must then be prepared by EPA Method 1311, the Toxicity Characteristic Leaching Procedure (TCLP), where liquid extract is analyzed by EPA Method 6010B. The TCLP test must be below 5.0 ppm.
• Certification that the recycled materials are not Washington State Dangerous Wastes per the Dangerous Waste Regulations WAC 173-303.

• Certification that the recycled materials are in conformance with the requirements of the Standard Specifications prior to delivery. The certification shall include the percent by weight of each recycled material.

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

9-03.21(1)E Table on Maximum Allowable Percent (by weight) of Recycled Material

9-03.21(1)A Recycled Hot Mix Asphalt
This section is revised to read:

For recycled materials incorporating hot mix asphalt the product supplier shall certify that the blended material does not exceed the Maximum Allowable Percentage of hot mix asphalt shown in Table 9-03.21(1)E.

9-03.21(1)B Recycled Portland Cement Concrete Rubble
This section including title is revised to read:

9-03.21(1)B Vacant

9-03.21(1)C Recycled Glass Aggregates
This section including title is revised to read:

9-03.21(1)C Vacant

9-03.21(1)D Recycled Steel Furnace Slag
The last row of the table is revised to read:

| Bank Run Gravel for Trench Backfill | 9-03.19 | 20 | 100 | 100 | 20 |

The table is moved from this sub-section to the new sub-section 9-03.21(1)E Table on Maximum Allowable Percent (by weight) of Recycled Material.

SECTION 9-05, DRAINAGE STRUCTURES, CULVERTS, AND CONDUITS
August 1, 2011

9-05.2(8) Perforated Corrugated Polyethylene Underdrain Pipe (12-inch through 60-inch)
This section including title is revised to read:
9-05.2(8) Perforated Corrugated Polyethylene Underdrain Pipe, Couplings and Fittings (12-inch through 60-inch)
Perforated corrugated polyethylene underdrain pipe, couplings and fittings, 12-inch through 60-inch diameter maximum, shall meet the requirements of AASHTO M 294 Type CP or Type SP. Type CP shall be Type C pipe with Class 2 perforations and Type SP shall be Type S pipe with either Class 1 or Class 2 perforations. Additionally, Class 2 perforations shall be uniformly spaced along the length and circumference of the pipe.

9-05.12(1) Solid Wall PVC Culvert Pipe, Solid Wall PVC Storm Sewer Pipe, and Solid Wall PVC Sanitary Sewer Pipe
In this section, all references to “115 psi” are revised to read “46 psi”.

9-05.12(2) Profile Wall PVC Culvert Pipe, Profile Wall PVC Storm Sewer Pipe, and Profile Wall PVC Sanitary Sewer Pipe
In the fourth paragraph, the word “producer’s” is revised to read “Manufacturer’s”.

9-05.13 Ductile Iron Sewer Pipe
The second and third paragraphs are revised to read:
Ductile iron pipe shall conform to ANSI A 21.51 or AWWA C151 and shall be cement mortar lined and have a 1-mil seal coat per AWWA C104, or a Ceramic Filled Amine cured Novalac Epoxy lining, as indicated on the Plans or in the Special Provisions. The ductile iron pipe shall be Special Thickness Class 50, Minimum Pressure Class 350, or the Class indicated on the Plans or in the Special Provisions.
Nonrestrained joints shall be either rubber gasket type, push on type, or mechanical type meeting the requirements of AWWA C111.

9-05.19 Corrugated Polyethylene Culvert Pipe
This sections title is revised to read:

9-05.19 Corrugated Polyethylene Culvert Pipe, Couplings, and Fittings
The first paragraph is revised to read:
Corrugated polyethylene culvert pipe, couplings, and fittings, shall meet the requirements of AASHTO M 294 Type S or D for pipe 12-inch to 60-inch diameter with silt-tight joints.

9-05.20 Corrugated Polyethylene Storm Sewer Pipe
This sections title is revised to read:

9-05.20 Corrugated Polyethylene Storm Sewer Pipe, Couplings, and Fittings
In the first paragraph, the first sentence is revised to read:
Corrugated polyethylene storm sewer pipe, couplings, and fittings shall meet the requirements of AASHTO M 294 Type S or D.

Section 9-05 is supplemented with the following new sub-sections:

9-05.21 **Steel Rib Reinforced Polyethylene Culvert Pipe**
Steel rib reinforced polyethylene culvert pipe shall meet the requirements of ASTM F2562 Class 1 for steel reinforced thermoplastic ribbed pipe and fittings for pipe 24-inch to 60-inch diameter with silt-tight joints.

Silt-tight joints for steel reinforced polyethylene culvert pipe shall be made with a bell/bell or bell and spigot coupling and incorporate the use of a gasket conforming to the requirements of ASTM F 477. All gaskets shall be installed on the pipe by the manufacturer.

Qualification for each manufacturer of steel reinforced polyethylene culvert pipe requires an approved joint system and a formal quality control plan for each plant proposed for consideration.

A Manufacturer’s Certificate of Compliance shall be required and shall accompany the materials delivered to the project. The certificate shall clearly identify production lots for all materials represented. The Contracting Agency may conduct verification tests of pipe stiffness or other properties as it deems appropriate.

9-05.22 **Steel Rib Reinforced Polyethylene Storm Sewer Pipe**
Steel rib reinforced polyethylene storm sewer pipe shall meet the requirements of ASTM F2562 Class 1 for steel reinforced thermoplastic ribbed pipe and fittings. The maximum diameter for steel reinforced polyethylene storm sewer pipe shall be the diameter for which a manufacturer has submitted a qualified joint. Qualified manufacturers and approved joints are listed in the Qualified Products Lists. Fittings shall be rotationally molded, injection molded, or factory welded.

All joints for steel reinforced polyethylene storm sewer pipe shall be made with a bell and spigot coupling and conform to ASTM D 3212 using elastomeric gaskets conforming to ASTM F 477. All gaskets shall be installed on the pipe by the manufacturer.

Qualification for each manufacturer of steel reinforced polyethylene storm sewer pipe requires joint system conformance to ASTM D 3212 using elastomeric gaskets conforming to ASTM F 477 and a formal quality control plan for each plant proposed for consideration.

A Manufacturer’s Certificate of Compliance shall be required and shall accompany the materials delivered to the project. The certificate shall clearly identify production lots for all materials represented. The Contracting Agency may conduct verification tests of pipe stiffness or other properties as it deems appropriate.
9-05.23 High Density Polyethylene (HDPE) Pipe
HDPE pipe shall be manufactured from resins meeting the requirements of ASTM D3350 with a cell classification of 345464C and a Plastic Pipe Institute (PPI) designation of PE 3408.

The pipes shall have a minimum standard dimension ratio (SDR) of 32.5.

HDPE pipe shall be joined into a continuous length by an approved joining method.

The joints shall not create an increase in the outside diameter of the pipe. The joints shall be fused, snap together or threaded. The joints shall be water tight, rubber gasketed if applicable, and pressure testable to the requirements of ASTM D 3212.

Joints to be welded by butt fusion, shall meet the requirements of ASTM F 2620 and the manufacturer’s recommendations. Fusion equipment used in the joining procedure shall be capable of meeting all conditions recommended by the pipe manufacturer, including but not limited to fusion temperature, alignment, and fusion pressure. All field welds shall be made with fusion equipment equipped with a Data Logger. Temperature, fusion pressure and a graphic representation of the fusion cycle shall be part of the Quality Control records. Electro fusion may be used for field closures as necessary. Joint strength shall be equal or greater than the tensile strength of the pipe.

Fittings shall be manufactured from the same resins and Cell Classification as the pipe unless specified otherwise in the Plans or Specifications. Butt fusion fittings and Flanged or Mechanical joint adapters shall have a manufacturing standard of ASTM D3261. Electro fusion fittings shall have a manufacturing standard of ASTM F1055.

HDPE pipe to be used as liner pipe shall meet the requirements of AASHTO M 326 and this specification.

The supplier shall furnish a Manufacturer’s Certification of Compliance stating the materials meet the requirements of ASTM D 3350 with the correct cell classification with the physical properties listed above. The supplier shall certify the dimensions meet the requirements of ASTM F 714 or as indicated in this Specification or the Plans.

At the time of manufacture, each lot of pipe, liner, and fittings shall be inspected for defects and tested for Elevated Temperature Sustain Pressure in accordance with ASTM F 714. The Contractor shall not install any pipe that is more than 2 years old from the date of manufacture.

At the time of delivery, the pipe shall be homogeneous throughout, uniform in color, free of cracks, holes, foreign materials, blisters, or deleterious faults.

Pipe shall be marked at 5 foot intervals or less with a coded number which identifies the manufacturer, SDR, size, material, machine, and date on which the pipe was manufactured.
9-05.24 Polypropylene Culvert Pipe, Polypropylene Storm Sewer Pipe, and Polypropylene Sanitary Sewer Pipe
Polypropylene Culvert Pipe, Polypropylene Storm Sewer Pipe and Polypropylene Sanitary Sewer pipe shall conform to the following requirements:

1. For pipe sizes up to 30 inches: ASTM F2736.
2. For pipe sizes from 30 to 60 inches: ASTM F2764.
3. Fittings shall be factory welded, injection molded or PVC.

All joints for corrugated polypropylene pipe shall be made with a bell/bell or bell and spigot coupling and shall conform to ASTM D3212 using elastomeric gaskets conforming to ASTM F477. All gaskets shall be factory installed on the pipe in accordance with the producer’s recommendations.

Qualification for each producer of corrugated polypropylene storm sewer pipe requires joint system conformance to ASTM D3212 using elastomeric gaskets conforming to ASTM F477 and a formal quality control plan for each plant proposed for consideration.

A Manufacturer’s Certificate of Compliance shall be required and shall accompany the materials delivered to the project. The certificate shall clearly identify production lots for all materials represented. The Contracting Agency may conduct verification tests of pipe stiffness or other properties deemed appropriate.

SECTION 9-06, STRUCTURAL STEEL AND RELATED MATERIALS
April 4, 2011

9-06.5(3) High Strength Bolts
The first paragraph is revised to read:

High-strength bolts for structural steel joints shall conform to either AASHTO M 164 Type 1 or 3 or AASHTO M 253 Type 1 or 3, as specified in the Plans or Special Provisions. Tension control bolt assemblies, meeting all requirements of ASTM F 1852 may be substituted where AASHTO M 164 high strength bolts and associated hardware are specified.

The second paragraph is revised to read:

When specified in the Plans or Special Provisions to be galvanized, tension control bolt assemblies shall be galvanized after fabrication in accordance with ASTM B 695 Class 55 Type I.

The third paragraph is revised to read:

Bolts conforming to AASHTO M 253 shall not be galvanized.
The fourth paragraph is revised to read:

Bolts for unpainted and nongalvanized structures shall conform to either AASHTO M 164 Type 3, AASHTO M 253 Type 3, or ASTM F 1852 Type 3, as specified in the Plans or Special Provisions.

The fifth paragraph is revised to read:

Nuts for high strength bolts shall meet the following requirements:

AASHTO M 164 Bolts
Type 1 (black) AASHTO M 291 Grade C, C3, D, DH and DH3
Type 3 (black weathering) AASHTO M 292 Grade 2H
Type 1 (hot-dip galvanized) AASHTO M 291 Grade DH
AASHTO M 292 Grade 2H

AASHTO M 253 Bolts
Type 1 (black) AASHTO M 291 Grade DH, DH3
AASHTO M 292 Grade 2H
Type 3 (black weathering) AASHTO M 291 Grade DH3

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

Washers for AASHTO M 164 and AASHTO M 253 bolts shall meet the requirements of AASHTO M 293 and may be circular, beveled, or extra thick as required.

The last sentence in the eleventh paragraph is revised to read:

Approval from the Engineer to use lock-pin and collar fasteners shall be received by the Contractor prior to use.

The number 2 foot note reference in the table is deleted.

The last row of the table is revised to read:

*Manufacturer’s Certificate of Compliance — samples not required.
  1 Nuts, washers, load indicator devices, and tension control bolt assemblies shall be sampled at the same frequency as the bolts.

9-06.16 Roadside Sign Structures
The first paragraph is revised to read:
All bolts, nuts, washers, cap screws, and coupling bolts shall conform to AASHTO M 164 and Section 9-06.5(3), except as noted otherwise. All connecting hardware shall be galvanized after fabrication in accordance with AASHTO M 232.

The sixth paragraph is revised to read:

The heavy-duty anchor (lower sign post support) used for perforated square steel posts (ST-4) shall meet the requirements of ASTM A 500 Grade B and shall be hot-dipped galvanized.

The following two new paragraphs are inserted after the sixth paragraph:

The bolts for connecting square steel posts to the upper slip plate SB-1, SB-2, or SB-3 shall be either corner bolts and conform to ASTM F 568 Class 4.6, zinc coated, or shoulder flange bolts and conform to ASTM A 29, zinc coated, or commercial bolts stock and conform to ASTM A 307, zinc coated.

The bolts connecting perforated square steel posts to the lower sign post support (ST-2 or ST-4) shall conform to ASTM A 307, Grade A and galvanized. The bolts connecting the lower slip plate (SB-1, SB-2, or SB-3) to the heavy duty anchor (lower sign post support ST-4) shall conform to ASTM A 307 and galvanized. The bolt stop for ST-2 and ST-4 shall conform to ASTM A 307, Grade A and galvanized.

SECTION 9-08, PAINTS
January 4, 2010

9-08.1(2)C Inorganic Zinc Rich Primer
In the first paragraph, the reference to “Type II” is revised to read “Type I”.

9-08.1(2)D Organic Zinc Rich Primer
This section is revised to read:

Organic zinc rich primer shall be a high performance two-component epoxy conforming to SSPC Paint 20 Type II.

SECTION 9-13, RIPRAP, QUARRY SPALLS, SLOPE PROTECTION, AND ROCK WALLS
April 4, 2011

In all tables of this section, “Specific Gravity” is revised to read “Specific Gravity SSD”.

This sections title is revised to read:
RIPRAP, QUARRY SPALLS, SLOPE PROTECTION, ROCK FOR EROSION AND
SCOUR PROTECTION AND ROCK WALLS

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

Riprap shall consist of broken stone, or broken concrete rubble.

9.13.3 Sack Riprap
This section including title is revised to read:

9.13.3 Vacant

9.13.4 Vacant
This section including title is revised to read:

9.13.4 Rock for Erosion and Scour Protection
Rock for Erosion and Scour Protection shall be hard, sound, and durable material, free from
seams, cracks, and other defects tending to destroy its resistance to weather and consist of
broken and/or process rock. Rock for Erosion and Scour Protection shall meet quality
requirements in Section 9-13 and the grading requirements in Section 9-13.4(2). The use of
recycled materials and concrete rubble is not permitted for this application as per Section 9-
03.21.

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

9.13.4(1) Suitable Shape of Rock for Erosion and Scour Protection
The Suitable Shape of these rocks shall be “Angular” (having sharply defined edges) to
“Subangular” (having a shape in between Rounded and Angular) for a higher degree of
interlocking to provide stability to the protected area. The use of round, thin, flat, or long
and needle like shapes are not allowed. Suitable Shape can be determined by the ratio of the
Length/Thickness. Where the Length is the longest axis, Width is the second longest axis,
and Thickness is the shortest. The Suitable Shape shall be the maximum of 3.0 using the
following calculation:

\[
\frac{\text{Length}}{\text{Thickness}} \leq 3.0 \text{ Suitable Shape}
\]

9.13.4(2) Grading Requirements of Rock for Erosion and Scour Protection
Rock for Erosion and Scour Protection will be classified as Class A, Class B, and Class C,
and shall have a “Well-Graded” structure that meets the requirements for Suitable Shape and
conforms to one or more of the following gradings as shown in the Plans.

Class A

<table>
<thead>
<tr>
<th>Approximate Size</th>
<th>Percent Passing</th>
</tr>
</thead>
<tbody>
<tr>
<td>(in.) Note 1</td>
<td>(Smaller)</td>
</tr>
</tbody>
</table>

C 3196 – Hennessy Road  Page 84  Amendments
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>18&quot;</td>
<td>100</td>
</tr>
<tr>
<td>16&quot;</td>
<td>80 – 95</td>
</tr>
<tr>
<td>12&quot;</td>
<td>50 – 80</td>
</tr>
<tr>
<td>8&quot;</td>
<td>15 - 50</td>
</tr>
<tr>
<td>4&quot;</td>
<td>15 max.</td>
</tr>
</tbody>
</table>

Class B

<table>
<thead>
<tr>
<th>Approximate Size (in.)</th>
<th>Percent Passing (Smaller)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Note 1</td>
<td></td>
</tr>
<tr>
<td>30&quot;</td>
<td>100</td>
</tr>
<tr>
<td>28&quot;</td>
<td>80 – 95</td>
</tr>
<tr>
<td>22&quot;</td>
<td>50 – 80</td>
</tr>
<tr>
<td>16&quot;</td>
<td>15 - 50</td>
</tr>
<tr>
<td>10&quot;</td>
<td>15 max.</td>
</tr>
</tbody>
</table>

Class C

<table>
<thead>
<tr>
<th>Approximate Size (in.)</th>
<th>Percent Passing (Smaller)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Note 1</td>
<td></td>
</tr>
<tr>
<td>42&quot;</td>
<td>100</td>
</tr>
<tr>
<td>36&quot;</td>
<td>80 – 95</td>
</tr>
<tr>
<td>28&quot;</td>
<td>50 – 80</td>
</tr>
<tr>
<td>22&quot;</td>
<td>15 - 50</td>
</tr>
<tr>
<td>14&quot;</td>
<td>15 max.</td>
</tr>
</tbody>
</table>

Note 1 Approximate Size can be determined by taking the average dimension of the three axes of the rock; Length, Width, and Thickness by use of the following calculation:

\[
\text{Length + Width + Thickness} \div 3 = \text{Approximate Size}
\]

Rock for Erosion and Scour Protection shall be visually accepted by the Project Engineer. The Project Engineer shall determine the Suitable Shape, Approximate Size and Grading of the load before it is placed. If so ordered by the Project Engineer, the loads shall be dumped on a flat surface for sorting and measuring the individual rocks contained in the load.

SECTION 9-14, EROSION CONTROL AND ROADSIDE PLANTING

April 4, 2011

Section 9-14 is deleted in its entirety and replaced with the following:
9-14.1 Soil

9-14.1(1) Topsoil Type A
Topsoil Type A shall be as specified in the Special Provisions.

9-14.1(2) Topsoil Type B
Topsoil Type B shall be native topsoil taken from within the project limits either from the area where roadway excavation is to be performed or from strippings from borrow, pit, or quarry sites, or from other designated sources. The general limits of the material to be utilized for topsoil will be indicated in the Plans or in the Special Provisions. The Engineer will make the final determination of the areas where the most suitable material exists within these general limits. The Contractor shall reserve this material for the specified use. Material for Topsoil Type B shall not be taken from a depth greater than 1 foot from the existing ground unless otherwise designated by the Engineer.

In the production of Topsoil Type B, all vegetative matter less than 4 feet in height, shall become a part of the topsoil. Prior to topsoil removal, the Contractor shall reduce the native vegetation to a height not exceeding 1 foot. Noxious weeds, as designated by authorized State and County officials, shall not be incorporated in the topsoil, and shall be removed and disposed of as designated elsewhere or as approved by the Engineer.

9-14.1(3) Topsoil Type C
Topsoil Type C shall be native topsoil meeting the requirements of Topsoil Type B but obtained from a source provided by the Contractor outside of the Contracting Agency owned right of way.

9-14.2 Seed
Grasses, legumes, or cover crop seed of the type specified shall conform to the standards for “Certified” grade seed or better as outlined by the State of Washington Department of Agriculture “Rules for Seed Certification,” latest edition. Seed shall be furnished in standard containers on which shall be shown the following information:

1. Common and botanical names of seed
2. Lot number
3. Net weight
4. Pure live seed

All seed vendors must have a business license issued by the Washington State Department of Licensing with a “seed dealer” endorsement. Upon request, the Contractor shall furnish the Engineer with copies of the applicable licenses and endorsements.

Upon request, the Contractor shall furnish to the Engineer duplicate copies of a statement signed by the vendor certifying that each lot of seed has been tested by a recognized seed testing laboratory within six months before the date of delivery on the project. Seed which has become wet, moldy, or otherwise damaged in transit or storage will not be accepted.
9-14.3 Fertilizer

Fertilizer shall be a standard commercial grade of organic or inorganic fertilizer of the kind and quality specified. It may be separate or in a mixture containing the percentage of total nitrogen, available phosphoric acid, water-soluble potash, or sulfur in the amounts specified. All fertilizers shall be furnished in standard unopened containers with weight, name of plant nutrients, and manufacturer’s guaranteed statement of analysis clearly marked, all in accordance with State and Federal laws.

Fertilizer shall be supplied in one of the following forms:

1. A dry free-flowing granular fertilizer, suitable for application by agricultural fertilizer spreader.

2. A soluble form that will permit complete suspension of insoluble particles in water, suitable for application by power sprayer.

3. A homogeneous pellet, suitable for application through a ferti-blast gun.

4. A tablet or other form of controlled release with a minimum of a six month release period.

5. A liquid suitable for application by a power sprayer or hydoseeder.

9-14.4 Mulch and Amendments

All amendments shall be delivered to the site in the original, unopened containers bearing the manufacturer’s guaranteed chemical analysis and name. In lieu of containers, amendments may be furnished in bulk. A manufacturer’s certificate of compliance shall accompany each delivery. Compost and other organic amendments shall be accompanied with all applicable health certificates and permits.

9-14.4(1) Straw

Straw shall be in an air dried condition free of noxious weeds, seeds, and other materials detrimental to plant life. Hay is not acceptable.

All straw material shall be Certified Weed Free Straw using North American Weed Management Association (NAWMA) standards or the Washington Wilderness Hay and Mulch (WWHAM) program run by the Washington State Noxious Weed Control Board. Information can be found at http://www.nwcb.wa.gov/http://www.nwcb.wa.gov/

In lieu of Certified Weed Free Straw, the Contractor shall provide documentation that the material is steam or heat treated to kill seeds, or shall provide U.S., Washington, or other State’s Department of Agriculture laboratory test reports, dated within 90 days prior to the date of application, showing there are no viable seeds in the straw.

Straw mulch shall be suitable for spreading with mulch blower equipment.
9-14.4(2) Hydraulically Applied Erosion Control Products (HECPs)

All HECPs shall be biodegradable and in a dry condition free of noxious weeds, seeds, chemical printing ink, germination inhibitors, herbicide residue, chlorine bleach, rock, metal, plastic, and other materials detrimental to plant life. Up to 5 percent by weight may be photodegradable material.

The HECP shall be suitable for spreading with a hydroteeder.

All HECPs shall be furnished premixed by the manufacturer with Type A or Type B Tackifier as specified in 9-14.4(7). Under no circumstances will field mixing of additives or components be acceptable.

The Contractor shall provide test results, dated within three years prior to the date of application, from an independent, accredited laboratory, as approved by the Engineer, showing the product meets the following requirements:

<table>
<thead>
<tr>
<th>Properties</th>
<th>Test Method</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxity</td>
<td>EPA-821-R-02-012 Methods for Measuring Acute Toxicity of Effluents. Test leachate from recommended application rate receiving 2 inches of rainfall per hour using static test for No-Observed-Adverse-Effect-Concentration (NOEC)</td>
<td>Four replicates are required with No statistically significant reduction in survival in 100% leachate for a Daphnid at 48 hours and Oncorhynchus mykiss (rainbow trout) at 96 hours</td>
</tr>
<tr>
<td>Solvents</td>
<td>EPA 8260B</td>
<td>Benzene - &lt; 0.03 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Methylene chloride - 0.02 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Naphthalene - &lt; 5 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tetrachloroethylene - &lt; 0.05 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Toluene - &lt; 7 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Trichloroethylene - &lt; 0.03 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Xylenes - &lt; 9 mg/kg</td>
</tr>
<tr>
<td>Heavy Metals</td>
<td>EPA 6020A Total Metals</td>
<td>Antimony - &lt; 4 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Arsenic - &lt; 6 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Barium - &lt; 80 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Boron - &lt; 100 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cadmium - &lt; 2 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chromium - &lt; 2 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Copper - &lt; 5 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lead - &lt; 5 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mercury - &lt; 2 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nickel - &lt; 2 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Selenium - &lt; 10 mg/kg</td>
</tr>
<tr>
<td>Metric</td>
<td>ASTM Method</td>
<td>Requirement Details</td>
</tr>
<tr>
<td>--------------------------------------------</td>
<td>--------------</td>
<td>--------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Water Holding Capacity</td>
<td>ASTM D 7367</td>
<td>900 percent minimum</td>
</tr>
<tr>
<td>Organic Matter Content</td>
<td>ASTM D 586</td>
<td>90 percent minimum</td>
</tr>
<tr>
<td>Moisture Content</td>
<td>ASTM D 644</td>
<td>15 percent maximum</td>
</tr>
<tr>
<td>Seed Germination Enhancement</td>
<td>ASTM D 7322</td>
<td>Long Term 420 percent minimum, Moderate Term 400 percent minimum, Short Term 200 percent minimum</td>
</tr>
</tbody>
</table>

If the HECP contains cotton or straw, the Contractor shall provide documentation that the material has been steam or heat treated to kill seeds, or shall provide U.S., Washington, or other State’s Department of Agriculture laboratory test reports, dated within 90 days prior to the date of application, showing there are no viable seeds in the mulch.

The HECP shall be manufactured in such a manner that when agitated in slurry tanks with water, the fibers will become uniformly suspended, without clumping, to form a homogeneous slurry. When hydraulically applied, the material shall form a strong moisture-holding mat that allows the continuous absorption and infiltration of water.

The HECP shall contain a dye to facilitate placement and inspection of the material. Dye shall be non-toxic to plants, animals, and aquatic life and shall not stain concrete or painted surfaces.

The HECP shall be furnished with a Material Safety Data Sheet (MSDS) that demonstrates that the product is not harmful to plants, animals, and aquatic life.

9-14.4(2)A Long Term Mulch
Long Term Mulch shall demonstrate the ability to adhere to the soil and create a blanket-like mass within two hours of application and shall bond with the soil surface to create a continuous, porous, absorbent, and flexible erosion resistant blanket that allows for seed germination and plant growth and conforms to the requirements in Table 1 Long Term Mulch Test Requirements.

The Contractor shall provide test results documenting the mulch meets the requirements in Table 1 Long Term Mulch Test Requirements.

Prior to January 1, 2012, the Contractor shall supply independent ASTM D 6459 test results from one of the following testing facilities:
Effective January 1, 2012, the Contractor shall supply independent test results from the National Transportation Product Evaluation Program (NTPEP).

<table>
<thead>
<tr>
<th>Properties</th>
<th>Test Method</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Performance in Protecting Slopes from Rainfall-Induced Erosion</td>
<td>ASTM D 6459 - Test in one soil type. Soil tested shall be sandy loam as defined by the NRCS Soil Texture Triangle</td>
<td>C Factor = 0.01 maximum using Revised Universal Soil Loss Equation (RUSLE)</td>
</tr>
</tbody>
</table>

9-14.4(2)B Moderate Term Mulch

Within 48 hours of application, the Moderate Term Mulch shall bond with the soil surface to create a continuous, absorbent, flexible erosion resistant blanket that allows for seed germination and plant growth and conform to the requirements in Table 2 Moderate Term Mulch Test Requirements.

The Contractor shall provide test results documenting the mulch meets the requirements in Table 2 Moderate Term Mulch Test Requirements.

Prior to January 1, 2012, the Contractor shall supply independent ASTM D 6459 test results from one of the following testing facilities:

- National Transportation Product Evaluation Program (NTPEP)
- Utah State University’s Utah Water Research Laboratory
- Texas Transportation Institute
- San Diego State University’s Soil Erosion Research Laboratory
- TRI Environmental, Inc

Effective January 1, 2012, the Contractor shall supply independent test results from the National Transportation Product Evaluation Program (NTPEP).

<table>
<thead>
<tr>
<th>Properties</th>
<th>Test Method</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Performance in Protecting Slopes from Rainfall-Induced Erosion</td>
<td>ASTM D 6459 - Test in one soil type. Soil tested shall be sandy loam as defined by the NRCS Soil Texture Triangle</td>
<td>C Factor = 0.05 maximum using Revised Universal Soil Loss Equation (RUSLE)</td>
</tr>
</tbody>
</table>
9-14.4(2)C  Short Term Mulch
The Contractor shall provide test results documenting the mulch meets the requirements in
Table 3 Short Term Mulch Test Requirements.

Prior to January 1, 2012, the Contractor shall supply independent ASTM D 6459 test results
from one of the following testing facilities:

National Transportation Product Evaluation Program (NTPEP)
Utah State University’s Utah Water Research Laboratory
Texas Transportation Institute
San Diego State University’s Soil Erosion Research Laboratory
TRI Environmental, Inc

Effective January 1, 2012, the Contractor shall supply independent test results from the
National Transportation Product Evaluation Program (NTPEP).

<table>
<thead>
<tr>
<th>Properties</th>
<th>Test Method</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Performance in Protecting Slopes from</td>
<td>ASTM D 6459 - Test in one soil type. Soil tested shall be sandy loam as</td>
<td>C Factor = 0.15 maximum using Revised Universal</td>
</tr>
<tr>
<td>Rainfall-Induced Erosion</td>
<td>defined by the National Resources Conservation Service (NRCS) Soil Texture</td>
<td>Soil Loss Equation (RUSLE)</td>
</tr>
<tr>
<td></td>
<td>Triangle</td>
<td></td>
</tr>
</tbody>
</table>

9-14.4(3) Bark or Wood Chips
Bark or wood chip mulch shall be derived from Douglas fir, pine, or hemlock species. It
shall not contain resin, tannin, or other compounds in quantities that would be detrimental to
plant life. Sawdust shall not be used as mulch.

Bark or wood chips, when tested, shall be according to WSDOT Test Method T 123 prior to
placement and shall meet the following loose volume gradation:

<table>
<thead>
<tr>
<th>Sieve Size</th>
<th>Percent Passing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Minimum</td>
</tr>
<tr>
<td>2”</td>
<td>95</td>
</tr>
<tr>
<td>No. 4</td>
<td>0</td>
</tr>
</tbody>
</table>

9-14.4(4) Wood Strand Mulch
Wood strand mulch shall be a blend of angular, loose, long, thin wood pieces that are frayed,
with a high length-to-width ratio and shall be derived from native conifer or deciduous trees.
A minimum of 95 percent of the wood strand shall have lengths between 2 and 10 inches.
At least 50 percent of the length of each strand shall have a width and thickness between 1/16 and ½ inch. No single strand shall have a width or thickness greater than ½ inch.

The mulch shall not contain salt, preservatives, glue, resin, tannin, or other compounds in quantities that would be detrimental to plant life. Sawdust or wood chips or shavings will not be acceptable. Products shall be tested according to WSDOT Test Method 125 prior to acceptance.

9-14.4(5) Lime
Agriculture lime shall be of standard manufacture, flour grade or in pelletized form, meeting the requirements of ASTM C 602.

9-14.4(6) Gypsum
Gypsum shall consist of Calcium Sulfate (CaSO4·2H2O) in a pelletized or granular form. 100 percent shall pass through a No. 8 sieve.

9-14.4(7) Tackifier
Tackifiers are used as a tie-down for soil, compost, seed, and/or mulch. Tackifier shall contain no growth or germination inhibiting materials, and shall not reduce infiltration rates. Tackifier shall hydrate in water and readily blend with other slurry materials and conform to the requirements in Table 4 Tackifier Test Requirements.

The Contractor shall provide test results documenting the tackifier meets the requirements in Table 4 Tackifier Test Requirements.

<table>
<thead>
<tr>
<th>Properties</th>
<th>Test Method</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy Metals Solvents Acute Toxicity</td>
<td>See Table in Section 9-14.4(2). Test at manufacturer’s recommended application rate</td>
<td>See Table in Section 9-14.4(2)</td>
</tr>
<tr>
<td>Viscosity</td>
<td>ASTM D 2364. Testing shall be performed by an accredited, independent laboratory</td>
<td>4000 cPs minimum</td>
</tr>
</tbody>
</table>

9-14.4(7)A Organic Tackifier
Organic tackifier shall be derived from natural plant sources and shall have an MSDS that demonstrates to the satisfaction of the Engineer that the product is not harmful to plants, animals, and aquatic life.

9-14.4(7)B Synthetic Tackifier
Synthetic tackifier shall have an MSDS that demonstrates to the satisfaction of the Engineer that the product is not harmful to plants, animals, and aquatic life.
9-14.4(8) Compost

Compost products shall be the result of the biological degradation and transformation of organic materials under controlled conditions designed to promote aerobic decomposition. Compost shall be stable with regard to oxygen consumption and carbon dioxide generation. Compost shall be mature with regard to its suitability for serving as a soil amendment or an erosion control BMP as defined below. The compost shall have a moisture content that has no visible free water or dust produced when handling the material.

Compost production and quality shall comply with Chapter 173-350 WAC.

Compost products shall meet the following physical criteria:

1. Compost material shall be tested in accordance with U.S. Composting Council Testing Methods for the Examination of Compost and Composting (TMECC) 02.02-B, “Sample Sieving for Aggregate Size Classification”.

Fine compost shall meet the following gradation:

<table>
<thead>
<tr>
<th>Sieve Size</th>
<th>Percent Passing</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td>Minimum 100</td>
</tr>
<tr>
<td>1&quot;</td>
<td>95</td>
</tr>
<tr>
<td>5/8&quot;</td>
<td>90</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>75</td>
</tr>
</tbody>
</table>

Maximum particle length of 6 inches.

Medium compost shall meet the following gradation:

<table>
<thead>
<tr>
<th>Sieve Size</th>
<th>Percent Passing</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td>Minimum 100</td>
</tr>
<tr>
<td>1&quot;</td>
<td>95</td>
</tr>
<tr>
<td>5/8&quot;</td>
<td>90</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>70</td>
</tr>
</tbody>
</table>

Maximum particle length of 6 inches.

Medium compost shall have a carbon to nitrogen ratio (C:N) between 18:1 and 30:1. The carbon to nitrogen ratio shall be calculated using the dry weight of “Organic Carbon” using TMECC 04.01A divided by the dry weight of “Total N” using TMECC 04.02D.

Coarse compost shall meet the following gradation:

<table>
<thead>
<tr>
<th>Sieve Size</th>
<th>Percent Passing</th>
</tr>
</thead>
<tbody>
<tr>
<td>3&quot;</td>
<td>Minimum 100</td>
</tr>
<tr>
<td>1&quot;</td>
<td>90</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>70</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>40</td>
</tr>
</tbody>
</table>

Maximum particle length of 6 inches.

Coarse Compost shall have a Carbon to Nitrogen ratio (C:N) between 25:1 and 35:1. The Carbon to Nitrogen ratio shall be calculated using the dry weight of “Organic Carbon” using TMECC 04.01A divided by the dry weight of “Total N” using TMECC 04.02D.

2. The pH shall be between 6.0 and 8.5 when tested in accordance with U.S. Composting Council TMECC 04.11-A, “1:5 Slurry pH”.

3. Manufactured inert material (plastic, concrete, ceramics, metal, etc.) shall be less than 1.0 percent by weight as determined by U.S. Composting Council TMECC 03.08-A “Classification of Inerts by Sieve Size”.

4. Minimum organic matter shall be 40 percent by dry weight basis as determined by U.S. Composting Council TMECC 05.07A “Loss-On-Ignition Organic Matter Method (LOI)”.

5. Soluble salt contents shall be less than 4.0 mmmhos/cm when tested in accordance with U.S. Composting Council TMECC 04.10 “Electrical Conductivity”.

6. Maturity shall be greater than 80 percent in accordance with U.S. Composting Council TMECC 05.05-A, “Germination and Root Elongation”.

7. Stability shall be 7 mg CO2-C/g OM/day or below in accordance with U.S. Composting Council TMECC 05.08-B “Carbon Dioxide Evolution Rate”.

8. The compost product shall originate from recycled plant waste as defined in WAC 173-350 as “Type 1 Feedstocks”, “Type 2 Feedstocks,” and/or “Type 3 Feedstocks”. The Contractor shall provide a list of feedstock sources by percentage in the final compost product.

9. The Engineer may evaluate compost for maturity using U.S. Composting Council TMECC 05.08-E “Solvita® Maturity Index”. Fine compost shall score a number 6 or above on the Solvita® Compost Maturity Test. Medium and Coarse compost shall score a 5 or above on the Solvita® Compost Maturity Test.

9-14.4(8)A Compost Submittal Requirements

The Contractor shall submit the following information to the Engineer for approval:

1. The Qualified Products List printed page or a Request for Approval of Material (DOT Form 350-071EF).
2. A copy of the Solid Waste Handling Permit issued to the manufacturer by the Jurisdictional Health Department in accordance with WAC 173-350 (Minimum Functional Standards for Solid Waste Handling).

3. The Contractor shall verify in writing, and provide lab analyses, that the material complies with the processes, testing, and standards specified in WAC 173-350 and these Specifications. An independent Seal of Testing Assurance (STA) Program certified laboratory shall perform the analysis.

4. A copy of the manufacturer's Seal of Testing Assurance (STA) certification as issued by the U.S. Composting Council.

9-14.4(8)B Compost Acceptance
Fourteen days prior to application, the Contractor shall submit a sample of the compost approved for use, and a STA test report dated within 90 calendar days of the application, and the list of feed stocks by volume for each compost type to the Engineer for review.

The Contractor shall use only compost that has been tested within 90 calendar days of application and meets the requirements in Section 9-14.4(8). Compost not conforming to the above requirements or taken from a source other than those tested and accepted shall not be used.

9-14.4(9) Vacant

9-14.4(10) Vacant

9-14.5 Erosion Control Devices

9-14.5(1) Polyacrylamide (PAM)
PAM is used as a tie-down for soil, compost, or seed, and is also used as a flocculent. Polyacrylamide (PAM) products shall meet ANSI/NSF Standard 60 for drinking water treatment with an AMD content not to exceed 0.05 percent. PAM shall be anionic, linear, and not cross-linked. The minimum average molecular weight shall be greater than 5 mg/mole and minimum 30 percent charge density. The product shall contain at least 80 percent active ingredients and have a moisture content not exceeding 10 percent by weight. PAM shall be delivered in a dry granular or powder form.

9-14.5(2) Erosion Control Blanket
Temporary erosion control blanket shall be made of natural plant fibers. The Contractor shall supply independent test results from the National Transportation Product Evaluation Program (NTPEP) meeting the requirements in the following table:

<table>
<thead>
<tr>
<th>Properties</th>
<th>ASTM Test Method</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protecting Slopes from Rainfall-Induced Erosion</td>
<td>D 6459 - Test in one soil type. Soil tested shall be sandy loam as defined by</td>
<td>Maximum C factor of 0.15 using Revised Universal</td>
</tr>
<tr>
<td>Properties</td>
<td>ASTM Test Method</td>
<td>Requirements</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>--------------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>UV Stability</td>
<td>D 4355</td>
<td>Minimum 80 percent strength retained after 500 hours in a xenon arc device</td>
</tr>
<tr>
<td>Protecting Slopes from Rainfall-Induced Erosion</td>
<td>D 6459 with 0.12 inch average raindrop size.* Test in one soil type. Soil tested shall be loam as defined by the NRCS Soil Texture Triangle **</td>
<td>Maximum C factor of 0.15 using Revised Universal Soil Loss Equation (RUSLE)</td>
</tr>
<tr>
<td>Dry Weight per Unit Area</td>
<td>D 6566</td>
<td>0.50 lb/sq. yd. minimum</td>
</tr>
<tr>
<td>Performance in Protecting Earthen Channels from Stormwater-Induced Erosion</td>
<td>D 6460 Test in one soil type. Soil tested shall be loam as defined by the NRCS Soil Texture Triangle **</td>
<td>2.0 lb/sq. ft. minimum</td>
</tr>
<tr>
<td>Seed Germination Enhancement</td>
<td>D 7322</td>
<td>200 percent minimum</td>
</tr>
</tbody>
</table>

Netting, if present, shall be biodegradable with a life span not to exceed two years.

Permanent erosion control blanket/turf reinforcement mats shall meet the following requirements:

**9-14.5(2)A Erosion Control Blanket Approval**

The Contractor shall select erosion control blanket products that bear the Quality and Data Oversight and Review (QDOR) seal from the Erosion Control and Technology Council (ECTC). All materials selected shall be currently listed on the QDOR products list available at www.ectc.org/qdor
9-14.5(3) Clear Plastic Covering
Clear plastic covering shall meet the requirements of ASTM D 4397 for polyethylene
sheeting having a minimum thickness of 6 mils.

9-14.5(4) Geotextile-Encased Check Dam
The geotextile-encased check dam shall be a urethane foam core encased in geotextile
material. The minimum length of the unit shall be 7 feet.

The foam core shall be a minimum of 8 inches in height, and have a minimum base width of
16 inches. The geotextile material shall overhang the foam by at least 6 inches at each end,
and shall have apron type flaps that extend a minimum of 24 inches on each side of the
check dam. The geotextile material shall meet the requirements in Section 9-33.

9-14.5(5) Wattles
Wattles shall consist of cylinders of biodegradable plant material such as weed-free straw,
coir, compost, wood chips, excelsior, or wood fiber or shavings encased within
biodegradable netting. Wattles shall be a minimum of 5 inches in diameter. Netting material
shall be clean, evenly woven, and free of encrusted concrete or other contaminating
materials such as preservatives. Netting material shall be free from cuts, tears, or weak
places and shall have a minimum lifespan of 6 months and a maximum lifespan of not more
than 24 months.

Compost filler shall be coarse compost and shall meet the material requirements as specified
in Section 9-14.4(8). If wood chips are used they shall meet the material requirements as
specified in Section 9-14.4(3). If wood shavings are used, 80 percent of the fibers shall have
a minimum length of 6 inches between 0.030 and 0.50 inches wide, and between 0.017 and
0.13 inches thick.

Wood stakes for wattles shall be made from untreated Douglas fir, hemlock, or pine species.
Wood stakes shall be 2 inch by 2 inch nominal dimension and 36 inches in length.

9-14.5(6) Compost Socks
Compost socks shall consist of extra heavy weight biodegradable fabric, with a minimum
strand thickness of 5 mils. The fabric shall be filled with Coarse Compost. Compost socks
shall be at least 8 inches in diameter. The fabric shall be clean, evenly woven, and free of
encrusted concrete or other contaminating materials and shall be free from cuts, tears,
broken or missing yarns, and be free of thin, open, or weak areas and shall be free of any
type of preservative. Netting material shall have a minimum lifespan of 6 months and a
maximum lifespan of not more than 24 months.

Coarse compost filler shall meet the material requirements as specified in Section 9-14.4(8).

Wood stakes for compost socks shall be made from untreated Douglas fir, hemlock, or pine
species. Wood stakes shall be 2 inch by 2 inch nominal dimension and 36 inches in length,
9-14.5(7) Coir Log
Coir logs shall be made of 100 percent durable coconut (coir) fiber uniformly compacted
within woven netting made of bristle coir twine with minimum strength of 80 lbs tensile
strength. The netting shall have nominal 2 inch by 2 inch openings. Log segments shall have
a maximum length of 20 feet, with a minimum diameter as shown in the Plans. Logs shall
have a minimum density of 7 lbs/cf.

Stakes shall be untreated Douglas fir, hemlock, or pine species. Wood stakes shall have a
notch to secure the rope ties. Rope ties shall be of 1/4 inch diameter commercially available
hemp rope.

9-14.5(8) High Visibility Fencing
High visibility fence shall be UV stabilized, orange, high-density polyethylene or
polypropylene mesh, and shall be at least 4-feet in height.

Support posts shall be wood or steel in accordance with Standard Plan I-10.10-00. The posts
shall have sufficient strength and durability to support the fence through the life of the
project.

9-14.6 Plant Materials

9-14.6(1) Description
Bareroot plants are grown in the ground and harvested without soil or growing medium
around their roots.

Container plants are grown in pots or flats that prevent root growth beyond the sides and
bottom of the container.

Balled and burlapped plants are grown in the ground and harvested with soil around a core
of undisturbed roots. This rootball is wrapped in burlap and tied or placed in a wire basket or
other supportive structure.

Cuttings are live plant material without a previously developed root system. Source plants
for cuttings shall be dormant when cuttings are taken and all cuts shall be made with a sharp
instrument. Cuttings may be collected. If cuttings are collected, the requirement to be
nursery grown or held in nursery conditions does not apply. Written permission shall be
obtained from property owners and provided to the Engineer before cuttings are collected.
The Contractor shall collect cuttings in accordance with applicable sensitive area
ordinances. Cuttings shall meet the following requirements:

A. Live branch cuttings shall have flexible top growth with terminal buds and may
have side branches. The rooting end shall be cut at an approximate 45 degree
angle.

B. Live stake cuttings shall have a straight top cut immediately above a bud. The
lower, rooting end shall be cut at an approximate 45 degree angle. Live stakes are
cut from one to two year old wood. Live stake cuttings shall be cut and installed
with the bark intact with no branches or stems attached, and be ½ to 1½ inch in
diameter.

C. Live pole cuttings shall have a minimum 2 inch diameter and no more than three
branches which shall be pruned back to the first bud from the main stem.

Rhizomes shall be a prostrate or subterranean stem, usually rooting at the nodes and
becoming erect at the apex. Rhizomes shall have a minimum of two growth points. Tubers
shall be a thickened and short subterranean branch having numerous buds or eyes.

9-14.6(2) Quality
At the time of delivery all plant material furnished shall meet the grades established by the
latest edition of the American Standard for Nursery Stock, (ASNS) ANSI Z60.1 and shall
conform to the size and acceptable conditions as listed in the Contract, and shall be free of
all foreign plant material.

All plant material shall comply with State and Federal laws with respect to inspection for
plant diseases and insect infestation.

All plant material shall be purchased from a nursery licensed to sell plants in Washington
State.

Live woody or herbaceous plant material, except cuttings, rhizomes, and tubers, shall be
vigorous, well formed, with well developed fibrous root systems, free from dead branches,
and from damage caused by an absence or an excess of heat or moisture, insects, disease,
mechanical or other causes detrimental to good plant development. Evergreen plants shall be
well folioted and of good color. Deciduous trees that have solitary leaders shall have only
the lateral branches thinned by pruning. All conifer trees shall have only one leader
(growing apex) and one terminal bud, and shall not be sheared or shaped. Trees having a
damaged or missing leader, multiple leaders, or Y-crotches shall be rejected.

Root balls of plant materials shall be solidly held together by a fibrous root system and shall
be composed only of the soil in which the plant has been actually growing. Balled and
burlapped rootballs shall be securely wrapped with jute burlap or other packing material not
injurious to the plant life. Root balls shall be free of weed or foreign plant growth.

Plant materials shall be nursery grown stock. Plant material, with the exception of cuttings,
gathered from native stands shall be held under nursery conditions for a minimum of one
full growing season, shall be free of all foreign plant material, and meet all of the
requirements of these Specifications, the Plans, and the Special Provisions.

Container grown plants shall be plants transplanted into a container and grown in that
container sufficiently long for new fibrous roots to have developed so that the root mass will
retain its shape and hold together when removed from the container, without having roots
that circle the pot. Plant material which is root bound, as determined by the Engineer, shall
be rejected. Container plants shall be free of weed or foreign plant growth.

Container sizes for plant material of a larger grade than provided for in the container grown
Specifications of the ASNS shall be determined by the volume of the root ball specified in
the ASNS for the same size plant material.

All bare root plant materials shall have a heavy fibrous root system and be dormant at the
time of planting.

Average height to spread proportions and branching shall be in accordance with the
applicable sections, illustrations, and accompanying notes of the ASNS.

Plants specified or identified as “Street Tree Grade” shall be trees with straight trunks, full
and symmetrical branching, central leader, and be developed, grown, and propagated with a
full branching crown. A “Street Tree Grade” designation requires the highest grade of
nursery shade or ornamental tree production which shall be supplied.

Street trees with improperly pruned, broken, or damaged branches, trunk, or root structure
shall be rejected. In all cases, whether supplied balled and burlapped or in a container, the
root crown (top of root structure) of the tree shall be at the top of the finish soil level. Trees
supplied and delivered in a nursery fabric bag will not be accepted.

Plants which have been determined by the Engineer to have suffered damage for the
following reasons will be rejected:

1. Girdling of the roots, stem, or a major branch.

2. Deformities of the stem or major branches.

3. Lack of symmetry.

4. Dead or defoliated tops or branches.

5. Defects, injury, and condition which renders the plant unsuitable for its intended
   use.

Plants that are grafted shall have roots of the same genus as the specified plant.

9-14.6(3) Handling and Shipping
Handling and shipping shall be done in a manner that is not detrimental to the plants.
The nursery shall furnish a notice of shipment in triplicate at the time of shipment of each
truck load or other lot of plant material. The original copy shall be delivered to the Project
Engineer, the duplicate to the consignee and the triplicate shall accompany the shipment to
be furnished to the Inspector at the job site. The notice shall contain the following
information:
1. Name of shipper.

2. Date of shipment.

3. Name of commodity. (Including all names as specified in the Contract.)

4. Consignee and delivery point.

5. State Contract number.

6. Point from which shipped.

7. Quantity contained.

8. Size. (Height, runner length, caliper, etc. as required.)

9. Signature of shipper by authorized representative.

To acclimate plant materials to Northwest conditions, all plant materials used on a project shall be grown continuously outdoors north of the 42nd Latitude (Oregon-California border) from not later than August 1 of the year prior to the time of planting.

All container grown plants shall be handled by the container.

All balled and burlapped plants shall be handled by the ball.

Plant material shall be packed for shipment in accordance with prevailing practice for the type of plant being shipped, and shall be protected at all times against drying, sun, wind, heat, freezing, and similar detrimental conditions both during shipment and during related handling. Where necessary, plant material shall be temporarily heeled in. When transported in closed vehicles, plants shall receive adequate ventilation to prevent sweating. When transported in open vehicles, plants shall be protected by tarpaulins or other suitable cover material.

9-14.6(4) Tagging

Plants delivered as a single unit of 25 or less of the same size, species, and variety, shall be clearly marked and tagged. Plants delivered in large quantities of more than 25 shall be segregated as to variety, grade, and size; and one plant in each 25, or fraction thereof, of each variety, grade, and size shall be tagged.

9-14.6(5) Inspection

The Contracting Agency will make an inspection of plant material at the source when requested by the Engineer. However, such preliminary approval shall not be considered as final acceptance for payment. Final inspection and approval (or rejection) will only occur
when the plant material has been delivered to the Project site. The Contractor shall notify the 
Engineer, not less than 48 hours in advance, of plant material delivery to the project.

9-14.6(6) Substitution of Plants
No substitution of plant material, species or variety, will be permitted unless evidence is 
submitted in writing to the Engineer that a specified plant cannot be obtained and has been 
unobtainable since the Award of the Contract. If substitution is permitted, it can be made 
only with written approval by the Engineer. The nearest variety, size, and grade, as approved 
by the Engineer, shall then be furnished.

Container or balled and burlapped plant material may be substituted for bare root plant 
material. Container grown plant material may be substituted for balled and burlapped plant 
materials. When substitution is allowed, use current ASNS standards to determine the 
correct rootball volume (container or balled and burlapped) of the substituted material that 
corresponds to that of the specified material. These substitutions shall be approved by the 
Engineer and be at no cost to the Contracting Agency.

9-14.6(7) Temporary Storage
Plants stored under temporary conditions prior to installation shall be the responsibility of 
the Contractor.

Plants stored on the project shall be protected at all times from extreme weather conditions 
by insulating the roots, root balls, or containers with sawdust, soil, compost, bark or wood 
chips, or other approved material and shall be kept moist at all times prior to planting.

Cuttings shall continually be shaded and protected from wind. Cuttings shall be protected 
from drying at all times and shall be heeled into moist soil or other insulating material or 
placed in water if not installed within eight hours of cutting. Cuttings to be stored for later 
installation shall be bundled, laid horizontally, and completely buried under 6 inches of 
water, moist soil or placed in cold storage at a temperature of 34°F and 90 percent humidity. 
Cuttings that are not planted within 24 hours of cutting shall be soaked in water for 24 hours 
prior to planting. Cuttings taken when the temperature is higher than 50°F shall not be 
stored for later use. Cuttings that already have developed roots shall not be used.

9-14.6(8) Sod
The available grass mixtures on the current market shall be submitted to the Engineer for 
selection and approval.

The sod shall be field grown one calendar year or older, have a well developed root 
structure, and be free of all weeds, disease, and insect damage.

Prior to cutting, the sod shall be green, in an active and vigorous state of growth, and 
mowed to a height not exceeding 1 inch.

The sod shall be cut with a minimum of 1 inch of soil adhering.
9-14.7 Stakes, Guys, and Wrapping
Stakes shall be installed as shown in the Plans.

Commercial plant ties may be used in lieu of hose and wire guying upon approval of the Engineer. The minimum size of wire used for guying shall be 12 gauge, soft drawn.

Hose for guying shall be nylon, rubber, or reinforced plastic and shall have an inside diameter of at least 1 inch.

Tree wrap shall be a crinkled waterproof paper weighing not less than 4.0 pounds per 100 square feet and shall be made up of two sheets cemented together with asphalt.

SECTION 9-22, MONUMENT CASES
January 4, 2010

9-22.1 Monument Cases, Covers, and Risers
In the first sentence, "Class 30B" is revised to read "Class 35B".

SECTION 9-23, CONCRETE CURING MATERIALS AND ADMIXTURES
August 1, 2011

9-23.1 Sheet Materials for Curing Concrete
In the first paragraph, “AASHTO M 171” is revised to read “ASTM C 171”.

9-23.2 Liquid Membrane Forming Concrete Curing Compounds
The first paragraph is revised to read:

Liquid membrane-forming compounds for curing concrete shall conform to the requirements of ASTM C 309 Type 1 or 2, Class A or B, except that the water retention when tested in accordance with WSDOT Test Method 814 shall be 2.50 grams for all applications.

Section 9-23 is supplemented with the following new sub-sections:

9-23.12 Metakaolin
Metakaolin shall conform to the requirements of AASHTO M 295 Class N including optional chemical requirements as set forth in Table 2 and with a further limitation that the loss on ignition shall be a maximum of 1.5 percent.

9-23.13 Blended Supplementary Cementitious Material
Blended Supplementary Cementitious Material (SCM) shall meet the requirements of ASTM C1697. Blended SCMs shall be limited to binary or ternary blends of fly ash, ground granulated blast furnace slag, microsilica fume, and metakaolin. Fly ash shall meet the requirements of Section 9-23.9. Ground granulated blast furnace slag shall meet the
requirements of Section 9-23.10. Microsilica fume shall meet the requirements of Section 9-23.11. Metakaolin shall meet the requirements of Section 9-23.12. The individual SCM(s) composing the blended SCM shall be individually listed on the WSDOT QPL.

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

9-23.9(1) Tests and Acceptance
Fly ash may be accepted by the Engineer based on the Manufacturer’s Mill Test Report number indicating full conformance to the Specifications. All shipments of the fly ash to the Contractor or concrete supplier shall identify the applicable Mill Test Report Number. The concrete supplier or Contractor shall provide mill test identification on all concrete deliveries.

Fly ash producers, importers/distributors, and suppliers that certify fly ash shall participate in the fly ash acceptance program as described in WSDOT Standard Practice QC 4.

Each mixing facility or plant utilizing fly ash shall be equipped with a suitable means or device for obtaining a representative sample of the fly ash. The device shall enable the sample to be readily taken in proximity to the fly ash weigh hopper and from a container or conveyor holding only fly ash.

Fly ash may be tested using samples taken at the job site by the Engineer for submission to the State Material’s Laboratory for testing.

9-23.10 Ground Granulated Blast Furnace Slag
This section is supplemented with the following new sub-section:

9-23.10(1) Tests and Acceptance
Ground granulated blast furnace slag may be accepted by the Engineer based on the Manufacturer’s Mill Test Report number indicating full conformance to the Specifications. All shipments of the ground granulated blast furnace slag to the Contractor or concrete supplier shall identify the applicable Mill Test Report Number. The concrete supplier or Contractor shall provide mill test identification on all concrete deliveries.

Ground granulated blast furnace slag producers, importers/distributors, and suppliers that certify ground granulated blast furnace slag shall participate in the ground granulated blast furnace slag acceptance program as described in WSDOT Standard Practice QC 5.

Each mixing facility or plant utilizing ground granulated blast furnace slag shall be equipped with a suitable means or device for obtaining a representative sample of the ground granulated blast furnace slag. The device shall enable the sample to be readily taken in proximity to the ground granulated blast furnace slag weigh hopper and from a container or conveyor holding only ground granulated blast furnace slag.
Ground granulated blast furnace slag may be tested using samples taken at the job site by the Engineer for submission to the State Material's Laboratory for testing.

SECTION 9-32, MAILBOX SUPPORT
April 4, 2011

9-32.2 Bracket, Platform, and Anti-Twist Plate
This section is revised to read:

The bracket, platform, and anti-twist plate shall be 16 gage sheet steel, conforming to ASTM A1011 or ASTM A1008.

SECTION 9-33, CONSTRUCTION GEOSYNTHETIC
August 1, 2011

9-33.4(1) Geosynthetic Material Approval
The first paragraph is revised to read:

If the geosynthetic source material has not been previously evaluated, or is not listed in the current WSDOT Qualified Products List (QPL), a sample of each proposed geosynthetic shall be submitted to the State Materials Laboratory in Tumwater for evaluation. Geosynthetic material approval will be based on conformance to the applicable properties from the Tables in Section 9-33.2 or in the Standard Plans or Special Provisions. Approval information will be provided within 30 calendar days after the sample and required information for each geosynthetic type have been received at the State Materials Laboratory in Tumwater. Source approval shall not be the basis of acceptance of specific lots of material delivered to the Contractor unless the roll numbers of the lot sampled can be clearly identified as the rolls tested and approved in the geosynthetic approval process.

The second paragraph is deleted.

The third paragraph is supplemented with the following:

Geosynthetic roll number(s)
Geosynthetic lot number(s)

This section is supplemented with the following:

Only geogrid and geotextile products that are listed on the QPL may be used in permanent geosynthetic retaining wall and reinforced slopes. Minimum requirements for inclusion in the QPL include evaluation by and compliance with the National Transportation Product Evaluation Program (NTPEP) in accordance with WSDOT Standard Practice T 925 or AASHTO Standard Practice PP 66, Standard Practice for Determination of Long-Term Strength for Geosynthetic Reinforcement.
9-33.4(3) Acceptance Samples

The first paragraph is revised to read:

A satisfactory test report is required when the quantities of geosynthetic materials proposed for use in the following geosynthetic applications are greater than the following amounts:

<table>
<thead>
<tr>
<th>Application</th>
<th>Geosynthetic Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Underground Drainage</td>
<td>100 sq. yd.</td>
</tr>
<tr>
<td>Permanent Geosynthetic Reinforced Slopes and Retaining Walls</td>
<td>All quantities</td>
</tr>
</tbody>
</table>

The third paragraph is revised to read:

Samples from the geosynthetic roll will be taken to confirm the material meets the property values specified. Samples will be randomly taken at the job site by the Contractor in accordance with WSDOT T 914 in the presence of the Project Engineer.

The fourth paragraph is revised to read:

Acceptance will be based on testing of samples from each lot. A “lot” shall be defined for the purposes of this Specification as all geosynthetic rolls within the consignment (i.e., all rolls sent to the project site) that were produced by the same manufacturer during a continuous period of production at the same manufacturing plant and have the same product name.

The following paragraph is inserted after the fourth paragraph:

Acceptance testing information will be provided within 30 calendar days after the sample and required information for each geosynthetic type have been received at the State Materials laboratory in Tumwater.

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

For each geosynthetic roll that is tested and fails the Project Engineer will select two additional rolls from the same lot for sampling and retesting. The Contractor shall sample the rolls in accordance with WSDOT T 914 in the presence of the Project Engineer.

9-33.4(4) Acceptance by Certificate of Compliance

The second row in the table is revised to read:

| Underground Drainage | 100 sq. yd. |
The fifth row in the table is deleted.

SECTION 9-34, PAVEMENT MARKING MATERIAL
January 3, 2011

9-34.1 General
The item ‘High VOC Solvent Based Paint’ is deleted.

9-34.2 Paint
In the first paragraph, the first sentence is revised to read:

White and yellow paint shall comply with the Specifications for low VOC solvent based
paint or low VOC waterborne paint.

9-34.2(1) High VOC Solvent Based Paint
This section including title is revised to read:

9-34.2(1) Vacant

SECTION 9-35, TEMPORARY TRAFFIC CONTROL MATERIALS
January 4, 2010

9-35.0 General Requirements
In the first paragraph, the item "Truck Mounted Attenuator" is revised to read "Transportable
Attenuator".

In the second paragraph, the third sentence is revised to read:

Unless otherwise noted, Requests for Approval of Material (RAM) and Qualified Products
List (QPL) submittals are not required.

9-35.12 Truck-Mounted Attenuator
This section including title is revised to read:

9-35.12 Transportable Attenuator
Transportable attenuators are Truck-Mounted Attenuators (TMA) or Trailer-Mounted
Attenuators (TMA-trailer). The transportable attenuator shall be mounted on, or attached to
a host vehicle with a minimum weight of 15,000 pounds and a maximum weight in
accordance with the manufacturer’s recommendations. Ballast used to obtain the minimum
weight requirement, or any other object that is placed on the vehicle shall be securely
anchored such that it will be retained on the vehicle during an impact. The Contractor shall
provide certification that the transportable attenuator complies with NCHRP 350 Test level 3
requirements. Lighter host vehicles proposed by the Contractor are subject to the approval
of the Engineer. The Contractor shall provide the Engineer with roll-ahead distance
calculations and crash test reports illustrating that the proposed host vehicle is appropriate
for the attenuator and the site conditions.

The transportable attenuator shall have a chevron pattern on the rear of the unit. The
standard chevron pattern shall consist of 4-inch yellow stripes, alternating non-reflective
black and retro-reflective yellow sheeting, slanted at 45 degrees in an inverted “V” with the
“V” at the center of the unit.

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

9-35.12(1) Truck-Mounted Attenuator
The TMA may be selected from the approved units listed on the QPL or submitted using a
RAM.

The TMA shall have an adjustable height so that it can be placed at the correct elevation
during usage and to a safe height for transporting. If needed, the Contractor shall install
additional lights to provide fully visible brake lights at all times.

9-35.12(2) Trailer-Mounted Attenuator
The TMA-trailer may be selected from the approved units listed on the QPL or submitted
using a RAM.

If needed, the Contractor shall install additional lights to provide fully visible brake lights at
all times.

9-35.12(3) Submittal Requirements
For transportable attenuators listed on the QPL, the Contractor shall submit the QPL printed
page or a QPL Acceptance Code entered on the RAM (WSDOT Form 350-071EF) for the
product proposed for use to the Engineer for approval. The Contractor shall submit a RAM
for transportable attenuators not listed on the QPL.
SPECIAL PROVISIONS
SPECIAL PROVISIONS

C 3196 – HENNESSY ROAD IMPROVEMENT PROJECT
(End of Road to Tieton Drive)

SPECIAL PROVISIONS

The following Special Provisions are made a part of this contract and supersede any conflicting provisions of the 2010 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 Provision.

(Regions\(^1\) 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:

Regions\(^1\)
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

(******)
The work to be performed under this Contract consists of the improvement of approximately 0.5
miles of Hennessy Road, from End of Road to Tieton Drive. These improvements consists of
grading, draining, placing and compacting top and base course, placing HMA pavement, and other
work, in accordance with the attached Plans, these Special Provisions and the 2010 Standard
Specifications and Amendments thereto.

The quantities of work indicated in the proposal are to be considered as estimates and are for
comparative bidding purposes only. All payments shall be made on the basis of actual field
measurement of Contract work completed.

FUNDS

(******)
Yakima County Road funds are involved in the construction of these improvements.

SECTION 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

1-02.1 Prequalification of Bidders
Delete this Section and replace it with the following:

1-02.1 Qualifications of Bidder
(January 24, 2011 APWA GSP)

Before award of a public works contract, a bidder must meet at least the minimum qualifications of RCW 39.04.350(1) to be considered a responsible bidder and qualified to be awarded a public works project.

1-02.2 Plans and Specifications
(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 (Advertise 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 (11&quot; x 17&quot;) and Contract Provisions</td>
<td>10</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.
1-02.5 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.

1-02.6 Preparation Of Proposal
(August 2, 2004)

The fifth and sixth paragraphs of Section 1-02.6 are deleted.

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
(January 24, 2011 APWA GSP)

Delete this section and replace it with the following:

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

The Contracting Agency will not consider Proposals it receives after the time fixed for opening Bids in the call for Bids.

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.

SECTION 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_ 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).

SECTION 1-04 SCOPE OF WORK

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.

SECTION 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 andremedying defective or unauthorized work, or work the Contractor failed or refused toperform, 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.

1-05.14 Cooperation With Other Contractors

Section 1-05.14 is supplemented with the following:

(March 13, 1995)
Other Contracts Or Other Work
It is anticipated that the following work adjacent to or within the limits of this project will be performed by others during the course of this project and will require coordination of the work:

Century Link Telephone and Cascade Natural Gas may still be relocating as the project begins. During construction the Cascade Natural Gas may need to make utility adjustments.

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.

1-07 LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC

1-07.1 Laws to be Observed

(October 1, 2005 APWA GSP)

Supplement this section with the following:

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

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

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

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

1-07.2 Sales Tax

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

1-07.2 Sales Tax
(January 24, 2011 APWA GSP)

The Washington State Department of Revenue has issued special rules on the State sales tax. Sections 1-07.2(1) through 1-07.2(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 60.28.051). The Contracting Agency may deduct from its payments to the Contractor any amount the Contractor may owe the Washington State Department of Revenue, whether the amount owed relates to this contract or not. Any amount so deducted will be paid into the proper State fund.

1-07.2(1) State Sales Tax — Rule 171

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

1-07.2(2) State Sales Tax — Rule 170

WAC 458-20-170, and its related rules, apply to the constructing and repairing of new or existing buildings, or other structures, upon real property. This includes, but is not limited to, the construction of streets, roads, highways, etc., owned by the state of Washington; water mains and their appurtenances; sanitary sewers and sewage disposal systems unless such
sewers and disposal systems are within, and a part of, a street or road drainage system;

the 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(3) Services

The Contractor shall not collect retail sales tax from the Contracting Agency on any contract

wholly for professional or other services (as defined in Washington State Department of

Revenue Rules 138 and 244).

1-07.7 Load Limits

(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

1-07.13(4) Repair of Damage

(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
Utilities and Similar Facilities

Section 1-07.17 is supplemented with the following:

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

Public and private utilities, or their Contractors, will furnish all work necessary to adjust, relocate, replace, or construct their facilities unless otherwise provided for in the Plans or these Special Provisions. Such adjustment, relocation, replacement, or construction will be done during the prosecution of the work for this project. It is anticipated that utility adjustment, relocation, replacement or construction within the project limits will be completed as follows:

Utility relocation work has not been completed and adjustments will be performed by the various utilities if required during progression of work.

The Contractor shall attend a mandatory utility preconstruction meeting with the Engineer, all affected subcontractors, and all utility owners and their contractors prior to beginning onsite work.

The following addresses and telephone numbers of utility companies or their Contractors that will be adjusting, relocating, replacing or constructing utilities within the project limits are supplied for the Contractor's use:

- **Call Before You Dig One Call Center**: 1-800-424-5555
- **Cascade Natural Gas**: (509) 494-2137
- **Century Link Telephone**: (509) 575-7185
- **Charter Cable**: (509) 728-2662
- **Pacific Power & Light Co.**: 500 N Keys Road, Yakima, WA 98901 (509) 575-3158
- **Yakima Tieton Irrigation District**: 470 Camp Four Road, Yakima, WA (509) 678-4101

1-07.18 Public Liability and Property Damage Insurance

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

1-07.18 Insurance

*(January 24, 2011 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. The Contractor shall provide the Contracting Agency and all Additional Insureds with written notice of any policy cancellation, within two business days of their receipt of such notice.

G. 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
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.

1-07.23 Public Convenience And Safety

(April 2, 2007)

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

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

During actual hours of work, unless protected as described above, only materials absolutely necessary to construction shall be within the WZCZ and only construction vehicles absolutely necessary to construction shall be allowed within the WZCZ or allowed to stop or park on the shoulder of the roadway.
The Contractor's nonessential vehicles and employees private vehicles shall not be permitted to park within the WZCZ at any time unless protected as described above.

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

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

<table>
<thead>
<tr>
<th>Posted Speed</th>
<th>Distance From Traveled Way (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>35 mph or less</td>
<td>10 *</td>
</tr>
<tr>
<td>40 mph</td>
<td>15</td>
</tr>
<tr>
<td>45 to 55 mph</td>
<td>20</td>
</tr>
<tr>
<td>60 mph or greater</td>
<td>30</td>
</tr>
</tbody>
</table>

* or 2-feet beyond the outside edge of sidewalk

Minimum Work Zone Clear Zone Distance

1-07.24 Rights Of Way

(October 1, 2005 APWA GSP)

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

Street right of way lines, limits of easements, and limits of construction permits are indicated in the Plans. The Contractor's construction activities shall be confined within these limits, unless arrangements for use of private property are made.

Generally, the Contracting Agency will have obtained, prior to bid opening, all rights of way and easements, both permanent and temporary, necessary for carrying out the work. Exceptions to this are noted in the Bid Documents or will be brought to the Contractor's attention by a duly issued Addendum.

Whenever any of the work is accomplished on or through property other than public right of way, the Contractor shall meet and fulfill all covenants and stipulations of any easement agreement obtained by the Contracting Agency from the owner of the private property. Copies of the easement agreements may be included in the Contract Provisions or made available to the Contractor as soon as practical after they have been obtained by the Engineer.

Whenever easements or rights of entry have not been acquired prior to advertising, these areas are so noted in the Plans. The Contractor shall not proceed with any portion of the work in areas where right of way, easements or rights of entry have not been acquired until the Engineer certifies to the Contractor that the right of way or easement is available or that the right of entry has been received. If the Contractor is delayed due to acts of omission on the part of the Contracting Agency in obtaining easements, rights of entry or right of way, the
Contractor will be entitled to an extension of time. The Contractor agrees that such delay shall not be a breach of contract.

Each property owner shall be given 48 hours notice prior to entry by the Contractor. This includes entry onto easements and private property where private improvements must be adjusted.

The Contractor shall be responsible for providing, without expense or liability to the Contracting Agency, any additional land and access thereto that the Contractor may desire for temporary construction facilities, storage of materials, or other Contractor needs. However, before using any private property, whether adjoining the work or not, the Contractor shall file with the Engineer a written permission of the private property owner, and, upon vacating the premises, a written release from the property owner of each property disturbed or otherwise interfered with by reasons of construction pursued under this contract. The statement shall be signed by the private property owner, or proper authority acting for the owner of the private property affected, stating that permission has been granted to use the property and all necessary permits have been obtained or, in the case of a release, that the restoration of the property has been satisfactorily accomplished. The statement shall include the parcel number, address, and date of signature. Written releases must be filed with the Engineer before the Completion Date will be established.

**SECTION 1-08 PROSECUTION AND PROGRESS**

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:

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

(March 13, 1995)

Section 1-08.5 is supplemented with the following:

The project shall be physically completed in 35 working days.

1-08.5 Time for Completion

(June 28, 2007 APWA GSP, Option A)

Revise the third and fourth paragraphs to read:

Contract time shall begin on the first working day following the Notice to Proceed Date.

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

Revise the sixth paragraph to read:

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

1. The physical work on the project must be complete; and
2. The Contractor must furnish all documentation required by the contract and required by law, to allow the Contracting Agency to process final acceptance of the contract. The following documents must be received by the Project Engineer prior to establishing a completion date:
   a. Certified Payrolls (Federal-aid Projects)
   b. Material Acceptance Certification Documents
   d. Final Contract Voucher Certification
   e. Property owner releases per Section 1-07.24

1-08.6 Suspension of Work

Section 1-08.6 is supplemented with the following:

(August 7, 2006)
Contract time may be suspended for verification of HMA mix designs or for procurement of critical materials (Procurement Suspension). In order to receive a Procurement Suspension, the Contractor shall within 30 calendar days after execution by the Contracting Agency, submit all HMA mix designs according to section 5-04.3(7)A or place purchase orders for all materials deemed critical by the Contracting Agency for physical completion of the contract. The Contractor shall provide a copy of the completed DOT Form 350-042 indicating the date the mix design was submitted, or copies of purchase orders for the critical materials. Such purchase orders shall disclose the purchase order date and estimated delivery dates for such critical material.

The Contractor shall show mix design verification or procurement of the materials listed below as activities in the Progress Schedule. If the approved Progress Schedule indicates that the mix design verification or materials procurement are critical activities, and if the Contractor has provided documentation that mix designs are submitted or purchase orders are placed for the critical materials within the prescribed 30 calendar days, then contract
time shall be suspended upon physical completion of all critical work except that work
dependent upon the below listed critical materials:

Precast three Sided Bridge Structure No. 34

Charging of contract time will resume upon the Contractors’ receipt of a mix design
verification report, delivery of the critical materials to the Contractor, notification that the
critical materials are ready for delivery to the Contractor from the Contracting Agency’s
Materials Laboratory, or 10 calendar days after execution by the Contracting Agency,
whichever occurs first.

No additional Procurement Suspension will be provided if the Contractors HMA mix
designs did not verify and are resubmitted.

SECTION 1-09 MEASUREMENT AND PAYMENT

1-09.6 Force Account
(October 10, 2008 APWA GSP)

Supplement this section with the following:

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

1-09.9 Payments
(October 10, 2008 APWA GSP)

Revise the first paragraph to read:

The basis of payment will be the actual quantities of Work performed according to the
Contract and as specified for payment. For items Bid as lump sum, with a bid price of more
than or equal to $20,000, 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 conference.

Delete the third paragraph and replace it with the following:

Progress payments for completed work and material on hand will be based upon progress
estimates prepared by the Engineer. A progress estimate cutoff date will be established at the
preconstruction conference.
The initial progress estimate will be made not later than 30 days after the Contractor commences the work, and successive progress estimates will be made every month thereafter until the Completion Date. Progress estimates made during progress of the work are tentative, and made only for the purpose of determining progress payment. The progress estimates are subject to change at any time prior to the calculation of the Final Payment.

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

1. Unit Price Items in the Bid Form — the approximate quantity of acceptable units of work completed multiplied by the unit price.
2. Lump Sum Items in the Bid Form — partial payment for lump sum Bid items will be a percentage of the price in the Proposal based on the Engineer’s determination of the amount of Work performed, with consideration given to, but not exclusively based on, the Contractor’s lump sum breakdown for that item.
3. Materials on Hand — 100 percent of invoiced cost of material delivered to Job site or other storage area approved by the Engineer.
4. Change Orders — entitlement for approved extra cost or completed extra work as determined by the Engineer.

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

1. Retainage per Section 1-09.9(1);
2. The amount of Progress Payments previously made; and
3. Funds withheld by the Contracting Agency for disbursement in accordance with the Contract Documents.

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

Payments will be made by warrants, issued by the Contracting Agency’s fiscal officer, against the appropriate fund source for the project. Payments received on account of work performed by a subcontractor are subject to the provisions of RCW 39.04.250.

1-09.13(3) Claims $250,000 or Less
(October 1, 2005 APWA GSP; may be used on FHWA-funded projects)

Delete this Section and replace it with the following:

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

1-09.13(3)A Administration of Arbitration
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.

SECTION 1-10 TEMPORARY TRAFFIC CONTROL

1-10.1 General

Section 1-10.1 is supplemented with the following:

(August 2, 2004)
The Contracting Agency will provide the following labor, equipment and/or materials resources to the Contractor for use on the project. The Contractor will notify the Engineer when each resource is to be utilized and will provide adequate notice that will allow any necessary arrangements to be made.

1-10.1(2) Description

(December 1, 2008)
Section 1-10.2(1) is supplemented with the following:

Only training with WSDOT TCS card and WSDOT training curriculum is recognized in the State of Washington. The Traffic Control Supervisor shall be certified by one of the following:

- The Northwest Laborers-Employers Training Trust
  27055 Ohio Ave.
  Kingston, WA 98346
  (360) 297-3035

- Evergreen Safety Council
  401 Pontius Ave. N.
  Seattle, WA 98109
  1-800-521-0778 or
  (206) 382-4090

- The American Traffic Safety Services Association
  15 Riverside Parkway, Suite 100
  Fredericksburg, Virginia 22406-1022
1-10.4 Measurement

Paragraph three of Section 1-10.4(2), supplemented with the following:

Flaggers and Spotters will be by the hour for each person actually performing the work described in Section 1-10.3(1)A. Portions of an hour will be rounded up to the one half hour.

DIVISION 2
EARTHWORK

SECTION 2-01 CLEARING, GRUBBING, AND ROADSIDE CLEANUP

2-01.1 Description

Section 2-01.1 is supplemented with the following:

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

The Contractor shall clear and grub as staked unless otherwise directed by the Engineer. The Contractor shall remove and dispose of all existing shrubs, trees, etc whether or not they are shown on the plans. Those areas identified on the Plans as having construction easements shall only be cleared as needed for improvements.

2-01.2(1) Disposal Method No. 1—Open Burning

Section 2-01.2(1) is deleted and replaced with the following:

No open burning will be allowed on this project.

2-01.2(3) Disposal Method No. 3—Chipping

Section 2-01.2(3) is deleted and replaced with the following:

Chipping shall be done by machines that can grind debris into wood chips. Wood chips to be sold or disposed of outside of this project may be any size. Wood chips to be used within the project site shall be no larger than 6 square inches and no thicker than 1/2–inch. The Contractor may spread the unsold chips evenly on the fill slopes only, and tractor walk them into the ground to the satisfaction of the Engineer.
2-01.5 Payment

Section 2-01.5 is revised as follows:

(******)

There shall be no payment for roadside cleanup. Any work performed for roadside cleanup shall be incidental to the Bid Item "Clearing and Grubbing" per Lump Sum, and no further payment shall be made.

SECTION 2-02 REMOVAL OF STRUCTURES AND OBSTRUCTIONS

2-02.3 Construction Requirements

Section 2-02.3 is supplemented with the following: abandon

(February 17, 1998)

Removal of Obstructions

The following items shall be removed, disposed of or reset as directed by the Engineer in accordance with the require

1. Remove existing culvert pipe Sta. 14+30 Lt.
2. Remove existing 12" culvert pipe Sta. 17+25 Lt.
3. Remove existing culvert cross pipe Sta. 21+00.
4. Remove existing 12" culvert pipe Sta. 31+05 Rt.
5. Remove existing 12" culvert pipe Sta. 33+20 Lt.
6. Sawcut and remove existing 4" drainpipe Sta. 39+95 Lt.
7. Contractor shall remove existing fencing in right-of-way which is in conflict with the proposed improvements, if not relocated by property owners. Contractor shall field verify the amount of fencing to be removed prior to bidding the project.
8. Sawcut and remove all pavement at matchline on all existing paved roads, driveways and connections as shown on the plans.
9. Remove existing private irrigation lines as shown on plans.

All other items encountered, which are not covered by Section 2-01 of the Standard Specifications (Clearing, Grubbing, and Roadside Cleanup) shall be considered incidental to the bid item “Removal of Structures and Obstructions”.

(******)

Written permission shall be provided to the County from property owners of any waste site prior to its use.

SECTION 2-03 ROADWAY EXCAVATION AND EMBANKMENT
2-03.3(14) Embankment Construction

2-03.3(14)C Compacting Earth Embankments

Compacting embankments and excavations shall be by Method "C" as specified under Section 2-03.3(14)C of the Standard Specifications.

2-03.4 Measurement

Section 2-03.4 of the Standard Specifications is deleted and replaced with the following:

("****")

Only one determination of the original ground elevations shall be made on this project. Measurement for roadway excavation and embankment shall be based on the original ground elevations recorded previous to the award of this Contract and the alignment, profile, grade, and roadway section as shown on the plans and as staked by the Engineer. Control stakes shall be set during construction to provide the Contractor with all essential information for the construction of excavation and embankments.

If discrepancies are discovered in the ground elevations, which will materially effect the quantities of earthwork, the original computations of earthwork shall be adjusted accordingly.

Earthwork quantities shall be computed either manually or by means of electronic data processing equipment, by use of the average end area method.

Copies of the ground cross-section notes shall be available for the bidder's inspection, before the opening of bids, at the office of the County Engineer. Upon award of the Contract, copies of the original ground cross-sections shall be furnished to the successful bidder on request to the County Engineer.

2-03.5 Payment

Section 2-03.5 of the Standard Specifications is deleted and replaced with the following:

("****")

The Contract Unit Price for "Roadway Excavation Incl. Haul," per Cubic Yard, shall be full compensation for all labor, equipment, tools, and materials necessary to excavate, load, haul, place, compact, shape, or otherwise dispose of the materials including existing hot mix asphalt pavements, and any other work required to complete this item as specified and no further payment shall be made.

No separate payment shall be made for embankment compaction and all costs to perform this work as required shall be included in the Unit Bid Price per Cubic Yard for "Roadway Excavation Incl. Haul."
SECTION 2-07 WATERING

Section 2-07 is deleted and replaced with the following:

(*****)
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.

When directed by the Engineer, the Contractor shall provide water for dust control within two hours of such order and have equipment and manpower available at all times including weekends and holidays to respond to orders for 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.

Payment for water used for dust control, compaction, processing of base course and top course, and other work shall be included in the other Bid Items involved, and no further payment shall be made.

SECTION 2-09 STRUCTURE EXCAVATION

2-09.4 Measurement

Section 2-09.4 of the Standard Specification shall be supplemented with the following:

(*****)
Structure Excavation Class B for culverts shall not be measured for payment.

2-09.5 Payment

Section 2-09.5 of the Standard Specification shall be supplemented with the following:

(*****)
There shall be no separate payment for Structure Excavation Class B. All costs associated with excavation, backfill and compaction of new culvert trenches shall be included in the lineal foot price of the pipe or concrete box culvert.

DIVISION 3
PRODUCTION FROM QUARRY AND PIT SITES AND STOCKPILING

SECTION 3-01 PRODUCTION FROM QUARRY AND PIT SITES
3-01.3 State Furnished Material Sources

Section 3-01.3 of the Standard Specifications shall be supplemented with the following:

(******)
Alternate A
If the Contractor bids the contract using Alternate A, County Supplied Crushed Surfacing Materials, then the following shall apply.

If County-owned Crushed Rock is used on this project, then the provisions of WAC 458-20-178 shall apply.

(******)
The following source of stockpiled materials is made available at no cost to the Contractor:

Yakima County shall make available to the Contractor for this project, Aggregate From Stockpile for Crushed Surfacing Base Course and Crushed Surfacing Top Course located at Yakima County’s Summitview Quarry. Summitview Quarry is located in the South Half of Section 11, Township 13 North, Range 17 East, W.M., approximately 4 road miles northwest of the Hennessy Road project. If the Contractor elects to use the Yakima County’s Crushed Rock Materials, he shall provide, set up, and maintain scales as per Section 1-09.2 of the Standard Specifications, otherwise the Contractor shall bear full responsibility for furnishing all materials. Any source other than Summitview Quarry shall be approved, in writing, by the Engineer prior to beginning of operations.

No source is being provided for any other materials necessary for the construction of this Project. The Contractor shall make arrangements to obtain the necessary materials and all costs of acquiring, producing, and placing these materials in the finished work shall be included in the Unit Contract Prices for the various items involved.

(******)
3-01.4 Contractor Furnished Material Sources

If the sources of materials provided by the Contractor necessitate hauling over roads other than County roads, the Contractor shall at his own expense, make all arrangements for the use of the haul routes.

DIVISION 5
SURFACE TREATMENTS AND PAVEMENTS

SECTION 5-04 HOT MIX ASPHALT

5-04.3(8)A Acceptance Sampling and Testing

Section 5-04.3(8) A shall be deleted
5-04.3(9) Spreading and Finishing

(******)
Section 5-04.3(9) shall be supplemented with the following:

5-04.3(9)A Materials Transfer Device

A materials transfer device (MTD) shall be required to deliver the hot mix asphalt from the hauling conveyance to the paving machine.

Material transfer devices may be self-propelled vehicles, pickup machines, or other devices that provide additional mixing and holding capacity of hot mix asphalt. Other that pickup machines, transfer devices shall have a minimum 18 ton holding and mixing capacity either on the paver, the device itself, or a combination of both.

Prior to use, the manufacturer and model number of the transfer equipment shall be submitted to the Engineer for review and approval. All costs to incorporate the MTD into the paving train shall be included in the unit contract prices for the associated bid items.

5-04.3(10) Compaction

5-04.3(10)B Control

(******)
The first paragraph of Section 5-04.3(10)B of the Standard Specifications is deleted and replaced with the following:

HMA used in traffic lanes, including lanes for ramps, truck climbing, weaving, and speed change, and having specified compacted course thickness greater than 0.10 foot, shall be compacted to a specified level relative density. The specified level of relative density shall be a minimum of 91.0 percent of the reference maximum density as determined by WSDOT for AASHTO T 209. The reference maximum density shall be determined as the moving average of the most recent five determinations for the lot of asphalt concrete being placed. The specified level of density attained will be determined by five nuclear gauge tests taken in accordance with WAQTC FOP TM8 and WSDOT SOP T 729 on the day the mix is placed (after completion of the finish rolling) at locations determined by the stratified random sampling procedure conforming to WSDOT Test Method 716 within each density lot. The quantity represented by each density lot will be no greater than a single day's production or approximately 400 tons, whichever is less. The Engineer will furnish the Contractor with a copy of the results of all acceptance testing performed in the field by 7:00 a.m. the morning of the next workday after testing, or for nighttime work within four hours after the beginning of the next paving shift.

The last paragraph of Section 5-04.3(10)B of the Standard Specifications is deleted and replaced with the following:
In addition to the randomly selected locations for tests of density, the Engineer may also isolate from a normal lot any area that is suspected of being defective in relative density. Such isolated material will not include an original sample location. A minimum of 5 randomly located density tests will be taken. The isolated area then will be evaluated for price adjustment in accordance with the price reduction formula in the Special Provisions, considering it as a separate lot.

Control lots not meeting the minimum density standard shall be removed and replaced with satisfactory material. At the option of the Engineer, noncomplying material may be accepted at reduced price as computed below.

**FACTORS INVOLVED:**

**Quantity of HMA involved** (from Compaction Control Report)

**Percent compaction** (from Compaction Control Report)

**Pay adjustment factor** (see table below)

**Liquid asphalt used** = Percent liquid asphalt from "Amount Ordered" or "Calculated from Production" (whichever is less) from Daily Report of Asphalt Plant Operations (when producing from a commercial plant, always use the "Amount Ordered")

**Price liquid asphalt** = Invoice price f.o.b. job site (if invoice unavailable then use average monthly refinery price.)

**Unit Contract Price** (from Contract Proposal)

**CALCULATION PROCEDURE:**

Equations: \[ PA = Q \times AUCP \times PAF \]
\[ AUCP = UCP - VLA \]
\[ VLA = PLA \times RLAU \]
\[ RLAU = LAU / 100 \]

PA = Price adjustment
UCPA = Unit contract price adjustment
Q = Quantity HMA involved
AUCP = Adjusted unit contract price
PAF = Pay adjustment factor
UCP = Unit contract price
VLA = Value liquid asphalt
PLA = Price liquid asphalt
RLAU = Rate liquid asphalt used
LAU = Liquid asphalt used

EXAMPLE:
Q = 200 tons
Percent compaction = 90.5
LAU = 5.0%
UCP = $25.00/ton
PLA = $200.00/ton f.o.b. job site
PAF = 0.05
RLAU = LAU/100
= 5.0/100
RLAU = 0.05 ton/ton
VLA = PLA x RLAU
= $200.00/ton x 0.05 ton/ton
VLA = $10.00/ton

AUCP = UCP - VLA
= $25.00/ton - $10.00/ton
AUCP = $15.00/ton

PA = Q x AUCP x PAF
= 200 ton x $15.00/ton x 0.05
PA = $150.00

UCPA = PA/Q
= $150.00/200 ton
UCPA = $0.75/ton

PAY ADJUSTMENT FACTOR

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5-04.3(15) HMA Road Approaches

Section 5-04.3(15) is supplemented with the following:

(******)
For asphalt driveways (road approaches) shown on the plans shall be constructed with
0.40 foot (compacted depth) of crushed surfacing top course and 0.20 foot (compacted
depth) of HMA (Hot Mix Asphalt). The portion of driveways not paved with asphalt
shall be surfaced with 0.30 foot (compacted depth) crushed surfacing top course, for the
length specified by the Engineer.

Grades from the edge of pavement to existing driveways (road approaches) shall be
constructed to provide safe ingress and egress and shall be constructed of materials as
shown on the plans.

Any portion of the existing driveway (road approach) beyond the construction limits that
is damaged by the Contractor’s operations shall be replaced in kind at his expense to the
satisfaction of the Engineer.

SAW CUTTING PAVEMENT

All transitions to existing asphalt concrete and cement concrete driveways, curb, asphalt
thickened edge for gutter, and walkways shall be vertically sawcut at least two (2) inches
with straight, uniform edges. Existing asphalt pavement may be cut with a wheel,
provided the wheel cut is full depth and no damage occurs to the pavement which is to
remain. No impact tools or pavement breakers can be used for trench crossings of
existing pavement. Trench crossing of existing pavement shall be vertically sawcut as
directed by the Engineer.

5-04.4 Measurement

(******)
Measurement for driveway (road approach) reconstruction shall be by the various Bid
Items involved in the work, “HMA for Approach”, per Ton, “Crushed Surfacing Top
Course” per Ton, and "Roadway Excavation Incl. Haul" per Cubic Yard.

5-04.5 Payment

Section 5-04.5 is supplemented with the following:

(******)
There is no Bid Item "Saw Cutting Asphalt Pavement" for this project. All costs
associated with the cutting, labor, equipment, etc., or any other costs associated with
cutting the existing asphalt or concrete pavement shall be considered incidental to the
other Contract Bid Items, and no further payment shall be made.

(******)
Payment for driveway (road approach) reconstruction shall be by the various Bid Items
involved in the work, “HMA for Approach”, per Ton, “Crushed Surfacing Top Course”
per Ton, and "Roadway Excavation Incl. Haul" per Cubic Yard, and shall include all costs
associated with labor, materials, haul etc. to complete the Item as specified, and no
further payment shall be made.
5-04.5(1) Quality Assurance Price Adjustments

Section 5-04.5(1) shall be deleted.

5-04.5(1) A Price Adjustment for Quality of HMA

Section 5-04.5(1)A shall be deleted.

5-04.5(1) B Price Adjustment for Quality of HMA Compaction

Section 5-04.5(1)B shall be deleted.

DIVISION 6
STRUCTURES

SECTION 6-02 CONCRETE STRUCTURES

6-02.3(2)A Contractor Mix Design

Section 6-02.3(2)A of the Standard Specifications shall be amended as follows:

The first sentence of the first paragraph of Section 6-02.3(2)A is revised to read as follows:

(******)
The Contractor shall provide a mix design in writing for all classes of concrete.

6-02.3(2)B Commercial Concrete

Section 6-02.3(2)B of the Standard Specifications shall be amended as follows:

(******)
The third sentence of the first paragraph is deleted and replaced with the following:

Commercial concrete requires plant approval, mix design, source approvals for cement, aggregate, and other admixtures.

(******)
In the first sentence of the second paragraph, the terms "luminaire bases, sidewalks, curbs, and gutters," shall be deleted.

6-02.3(4) Ready-Mix Concrete

Section 6-02.3(4) of the Standard Specifications shall be amended as follows:

(******)
The first sentence of Section 6-02.3(4) is revised to read as follows:
All concrete, including commercial concrete and lean concrete, shall be batched in
a prequalified manual, semi-automatic, or automatic plant as described in Section
6-02.3(4)A.

6-02.3(4)B Jobsite Mixing

Section 6-02.3(4)B of the Standard Specifications shall be amended as follows:

(******)
The first sentence of Section 6-02.3(4) is revised to read as follows:

For small quantities of concrete, less than \( \frac{1}{2} \) cubic yard, the Contractor may mix
concrete on the job site, provided the Contractor has requested in writing and
received written permission from the Engineer.

6-02.3(5) Acceptance of Concrete

6-02.3(5)A General

The first sentence of Section 6-02.3(5)A is hereby deleted and replaced with the following:

(******)
Lean concrete will be accepted based on a Certificate of Compliance to be provided by the
Supplier as described in Section 6-02.3(5)B.

DIVISION 7
DRAINAGE STRUCTURES, STORM SEWERS, SANITARY
SEWERS, WATER MAINS, AND CONDUITS

SECTION 7-02 CULVERTS

7-02.2 Materials

Section 7-02.2 is supplemented with the following:

(******)
Solid Wall PVC Culvert Pipe, Profile Wall PVC Culvert Pipe, and Corrugated
Polyethylene Culvert Pipe shall not be allowed for use on driveway approaches or road
crossings with exposed ends.

The "Gravel Backfill for Pipe Zone Bedding and Trench" shall conform to Crushed
Surfacing Top Course meeting the requirements of Section 9-03.9(3) of the Standard
Specifications.

7-02.3 Construction Requirements

Section 7-02.3 is supplemented with the following:

(******)
All pipes, which extend into the slope shall have beveled ends to match the ground slope. On field cuts, the cut surface shall be painted with two coats of paint. The steel pipe to be painted shall be cleaned with solvent to remove contaminants. After cleaning, the pipe shall be painted with two coats of paint conforming to Federal Specifications TT-P-645 (Primer, Paint, Zinc Chromate, Alkyd Vehicle).

The cost of cutting, cleaning and painting the steel pipe surfaces as specified shall be included in the unit contract price per linear foot for steel pipe.

7-02.5 Payment

Section 7-02.5 of the Standard Specifications shall be supplemented with the following:

(*****)
When the Engineer directs the Contractor to backfill trenches with "Crushed Surfacing Top Course", payment shall be made by the Contract Bid Item "Crushed Surfacing Top Course" per ton, which shall include all costs associated with labor, equipment, materials, etc, and no further payment shall be made.

SECTION 7-04 STORM SEWERS

7-04.2 Materials

Section 7-04.2 of the Standard Specifications shall be supplemented with the following:

The "Gravel Backfill for Pipe Zone Bedding and Trench" shall conform to Crushed Surfacing Top Course meeting the requirements of Section 9-03.9(3) of the Standard Specifications.

7-04.3 Construction Requirements

Section 7-04.3 of the Standard Specifications is supplemented with the following:

(*****)
When directed by the Engineer, street crossing trenches and other locations shall be backfilled as to the depth specified by the Engineer with "Gravel Backfill for Pipe Zone Bedding and Trench".

Section 7-04.3(1)E is deleted

Section 7-04.3(1)F is deleted

7-04.5 Payment

Section 7-04.5 of the Standard Specifications is supplemented with the following:
All pipefittings including elbows, tees, gaskets, bands, etc., are considered incidental to individual pipe Bid Items involved, and no further payment shall be made.

There shall be no separate measurement and payment for excavation, backfill, and compaction. All costs associated with excavation and backfill of new pipeline trenches, including cutting and removal of existing surfacing, shall be included in the various pipe installation bid items.

When the Engineer directs the Contractor to backfill trenches with "Gravel Backfill for Pipe Zone Bedding and Trench", payment shall be made by the Contract Bid Item "Gravel Backfill for Pipe Zone Bedding and Trench" per Ton, which shall include all costs associated with labor, equipment, materials, etc, and no further payment shall be made.

SECTION 7-05 MANHOLES, INLETS, CATCH BASINS, AND DRYWELLS

7-05.3 Construction Requirements

Section 7-05.3 of the Standard Specifications is supplemented with the following:

(******)
The Drywell Infiltration Trench shall be constructed per the detail in the plans. No extra excavation outside the limits of the infiltration trench will be allowed. The Drywell Infiltration Trench shall be completely encased in "Moderate Survivability" Class B underground drainage geotextile in accordance with the plans and with Section 2-12 and Section 9-33 of the Standard Specifications. The drain rock shall meet the requirements of Gravel Backfill for Drywells in Section 9-03.12(5) of the Standard Specifications.

7-05.5 Payment

Section 7-05.5 of the Standard Specifications is supplemented with the following:

(******)
The Unit Contract Price for "Catch Basin Type 2 48 In. Diam." per Each, shall be full compensation for all labor, equipment, tools, and materials necessary to excavate, load, haul, compact, supply and place Catch Basin Type 2 48 In. Diam., Tee, and any other work required to complete the item as detailed in the plans and contract documents and no further payment will be made.

(******)
The Unit Contract Price for "Gravel Backfill for Drywells" per Ton, shall be full compensation for all labor, equipment, tools, and materials necessary to supply, excavate, load, haul, compact, furnish and place geotextile fabric, and any other work required to complete the item as specified and no further payment will be made.

(******)
No separate payment shall be made for supplying and placing the underground drainage geotextile fabric and all costs to perform this work as required shall be incidental to the other bid items for this work.
SECTION 7-08 GENERAL PIPE INSTALLATION REQUIREMENTS

7-08.2 Materials

Section 7-08.2 is supplemented with the following:

(******)
Gravel Backfill for Pipe Bedding 9-03.9(3).

7-08.3(2)e Rubber Gasketed Joints

Section 7-08.3(2)e is supplemented with the following:

(******)
Rubber gasketed joints are not required on driveway culvert pipe.

7-08.3(3) Backfilling

Section 7-08.3(3) is supplemented with the following:

(******)
Where directed by the Engineer, trenches shall be backfilled to the depth specified by the Engineer with "Crushed Surfacing Top Course".

7-08.4 Measurement

Section 7-08.4 is supplemented with the following:

(******)
Crushed Surfacing Top Course used as Gravel Backfill for Pipe Zone Bedding shall be measured by the ton.

The first sentence of paragraph 4 is deleted and replaced with the following:

Structure Excavation Class B, and Structure Excavation Class B, including haul shall not be measured.

7-08.5 Payment

Section 7-08.5 is supplemented with the following:

(******)
When the Engineer directs the Contractor to backfill trenches with "Crushed Surfacing Top Course" payment shall be made by the Contract Bid Item "Crushed Surfacing Top Course" per ton, which shall include all costs associated with labor, equipment, materials, etc., and no further payment shall be made.
All costs associated with Structure Excavation Class B, and Structure Excavation Class B, Including Haul for the various drainage items shall be included in the unit contract price for the type and size of pipe or catch basin installed.

DIVISION 8
MISCELLANEOUS CONSTRUCTION

SECTION 8-01 EROSION CONTROL AND WATER POLLUTION CONTROL

8-01.3(1)B Erosion and Sediment Control (ESC) Lead

Section 8-01.3 of the Standard Specifications is supplemented with the following:

(******)
The ESC Lead shall be responsible for all submittals required for the Construction Storm Water permit through the life of the contract. The County will assume responsibility once the contract is complete.

SECTION 8-02 ROADSIDE RESTORATION

8-02.3(15)B Seeding and Fertilizing

Section 8-03.3(15) B of the Standard Specifications is supplemented with the following:

(******)
Grass seed, of the following composition, proportion, and quality, shall be applied at the rate of 39 pounds per acre on all areas requiring seeding within the project:

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<th>Grass Species</th>
<th>Scientific Name</th>
<th>Pounds per Acre</th>
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<tr>
<td>Sandburg Bluegrass</td>
<td>Poa sandbergii</td>
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<tr>
<td>Bluebunch Wheatgrass</td>
<td>Agropyron spicatum</td>
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</tr>
<tr>
<td>Basin Wild Rye</td>
<td>Elymus cinereus</td>
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<tr>
<td>Annual Rye</td>
<td>Lolium multiforum</td>
<td>25</td>
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Total Pounds per Acre   39

010304B1.FR8

(January 5, 1998)

Sufficient quantities of fertilizer shall be applied to supply the following amounts of nutrients:

Total Nitrogen as N - 80 pounds per acre

Available Phosphoric Acid as P2O5 - 40 pounds per acre
Soluble Potash as $K_2O$ - 40 pounds per acre

Ninety percent of nitrogen applied per acre shall be derived from isobutylidene diurea (IBDU), cyclo-di-urea (CDU), or sulfur-coated urea (SCU). The remainder may be derived from any source.

The fertilizer formulation and application rate shall be approved by the Engineer before use.

8-02.3(15)D Mulching

Section 8-01.3(5) of the Standard Specifications is supplemented with the following:

(*****)
Wood cellulose fiber mulch shall be applied at a rate of 2,000 pounds per acre.

8-02.3(15)F Soil Binder or Tacking Agent

Section 8-01.3(6)B of the Standard Specifications is supplemented with the following:

(*****)
Tacking agent shall be Type A in accordance with Section 9-14.4(7) of the Standard Specifications. Application rate shall be per manufacturer’s written recommendations.

8-02.5 Payment

Section 8-02.5 of the Standard Specifications is supplemented with the following:

(*****)
The per-acre price for “Seeding, Fertilizing, and Mulching” shall also include providing tacking agent.

SECTION 8-04 CURBS, GUTTERS, AND SPILLWAYS

8-04.3 Construction Requirements

8-04.3(1) Cement Concrete Curbs, Gutters and Spillways

The first paragraph of Section 8-04.3(1) of the Standard Specifications is deleted and replaced with the following:

(*****)
Cement concrete curb, curb and gutter, gutter, spillway, Cement Concrete Sidewalk Ramps, and stairs shall be constructed with air entrained concrete Class 4000 conforming to the requirements of Section 6-02.

8-04.3(1)A Extruded Cement Concrete Curb

Section 8-04.3(1)A of the Standard Specifications is supplemented with the following:

(*****)
Should the Contractor elect to have the curbs and gutters cast by the extruded method, then a modified Class 4000 concrete mix shall be used. The proposed mix shall be submitted for review and approval by the Engineer a minimum of ten working days prior to the date of intended use.

SECTION 8-13 MONUMENT CASES

8-13.1 Description

Section 8-13.1 is replaced with the following:

(******)
This work consists of placing monument cases and covers, in accordance with the Standard Plans and these Specifications, in conformity with the lines and locations shown in the Plans or as staked. Monument cases and covers will be furnished to the Contractor by the County.

8-13.4 Measurement

Section 8-13.4 is replaced with the following:

(******)
Measurement of monument case and cover will be by the unit for each monument case and cover set.

8-13.5 Payment

Section 8-13.5 is replaced with the following:

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

“Monument Case and Cover (County Furnished)”, per Each.

SECTION 8-18 MAILBOX SUPPORT

8-18.3 Construction Requirements

Section 8-18.3 is supplemented with the following:

(******)
Prior to construction, the Contractor shall inventory all mailboxes to be relocated along the project and either salvage the existing mailboxes or replace in kind.

Mailbox supports shall be replaced as shown on the attached Standard Plans and according to the locations shown on construction plans, or at the location directed by the Engineer.
All mailboxes shall be installed such that the front face of the mailbox is flush with the new edge of road and as per the direction of the Engineer.

Newspaper boxes shall be relocated along the project and shall be relocated back after the completion of the project to the satisfaction of the Engineer.

8-18.5 Payment

Section 8-18.5 is supplemented with the following:

(******)

Payment for the Contract Bid Item "Mailbox Support Type _" per Each, shall include all costs for materials, haul, labor, equipment and all other costs necessary to complete the item as specified and no further payment shall be made.

All costs associated with transferring the existing mailboxes and newspaper tubes to the new mailbox supports, including support hardware, clamps, etc. shall be considered incidental to the Bid Items "Mailbox Support Type _" per Each, and no further payment shall be made.

SECTION 8-22 PAVEMENT MARKING

Section 8-22.3(1) is deleted and replaced with the following:

(******)
The Engineer will provide spotting of the lines to be marked. Spotting shall be provided at spacing of 100 feet maximum on tangents and 25 feet maximum on curves. The color of all spotting will be white.

DIVISION 9
MATERIALS

SECTION 9-03 AGGREGATES

9-03.8(6) Proportions of Materials

Section 9-03.8(6) is supplemented with the following:

(******)

For the determination of a project mix design, the Contractor shall submit to the Engineer's representative, samples of the various aggregates to be used, along with the gradation data showing stockpile averages and variation of the aggregate produced, along with proposed combining ratios and average gradation of the completed mix. The initial
asphalt content shall be determined by the Engineer from the aggregates and data provided.

9-03.8(6)A Basis of Acceptance

******
Section 9-03.8(6)A is deleted.

SECTION 9-06 STRUCTURAL STEEL AND RELATED MATERIALS

9-16.16 Roadside Sign Structures
Section 9-06.16 is supplemented with the following:

(August 2, 2004)
Perforated Steel Square Sign Post System
Where noted in the Plans, steel sign post systems shall be square, pre-punched galvanized steel tubing, that are NCHRP 350 Test Level 3 Certified and FHWA approved.

The steel sign post system shall include all anchor sleeves, and other hardware required for a complete sign installation.

System Acceptance
Systems listed in the current QPL will be accepted per the QPL approval code. Systems not listed in the QPL will be accepted based on a Supplier’s Certificate of Compliance. The Supplier’s Certificate of Compliance will be a contract specific letter from the supplier stating the system is NCHRP 350 Test Level 3 compliant. A Certificate of Material Origin (WSDOT Form 350-109) will be required for contracts containing the “Foreign Made Materials” clause and will include a dollar value for any foreign steel used in the system being supplied.

SECTION 9-28 SIGNING MATERIALS AND FABRICATION

9-28.1(2) Inspection

Section 9-28.1(2) is deleted and replaced with the following:

******
The Engineer shall inspect the completed signs on the jobsite before the installation of the signs. An approved by Yakima County decal shall be affixed to the blank side of each sign with the exception of doubled-faced signs which do not receive decals or fabricators stickers. Signs without the approved decal shall not be installed on the project.
STANDARD PLANS
January 3, 2011

The State of Washington Standard Plans for Road, Bridge and Municipal Construction M21-01
transmitted under Publications Transmittal No. PT 09-013, effective January 3, 2011 is made a
part of this contract.

The Standard Plans are revised as follows:

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

C-1
Note 6 is revised as follows: Type 1-__ is replaced with a blank (fill-in) following Type __-

C-1b
Note 5 is revised as follows: Type 1-__ is replaced with a blank (fill-in) following Type __-

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

C-5
Note 1. Attach guardrail to bridge rail or concrete barrier with 7/8” diameter high strength
bolts Standard Spec. 9-06.5(4), with thin slab ferrule inserts or resin bonded anchors. See
Contract Plans.

Is revised as follows:
Attach guardrail to bridge rail or concrete barrier with 7/8” diameter bolts per Standard
Spec. 9-06.5(4), with thin slab ferrule inserts or resin bonded anchors. See Contract Plans.

C-7
Note 2. Attach guardrail to bridge rail or concrete barrier with 7/8” diameter high strength
bolts (Standard Spec. 9-06.5(4)), with thin slab ferrule inserts or resin bonded anchors. See
Contract Plans.

Is revised as follows:
Attach guardrail to bridge rail or concrete barrier with 7/8” diameter bolts (5 MIN.)
per Standard Spec. 9-06.5(4), with thin slab ferrule inserts or resin bonded anchors. See
Contract Plans.

C-7a
Note 1. Attach guardrail to bridge rail or concrete barrier with 7/8” diameter high strength
bolts (Standard Spec. 9-06.5(4)), with thin slab ferrule inserts or resin bonded anchors. See
Contract Plans.

Is revised as follows:
Attach guardrail to bridge rail or concrete barrier with 7/8” diameter bolts (5 MIN.) per Standard Spec. 9-06.5(4), with thin slab ferrule inserts or resin bonded anchors. See Contract Plans.

C-14a
SECTION B, callout – 1½” PVC CONDUIT (TYP.) is revised to read: 1½” PVC CONDUIT (TYP.) callout (mark) 8 #9 ~ 36” (TYP.) is revised to read: callout (mark) 8 #8 ~ 36” (TYP.) EPOXY BAR EXPANSION JOINT DETAIL, callout (mark) W #9 (epoxy coated symbol) ~ 36” (TYP.) is revised to read: callout (mark) 8 #8 (epoxy coated symbol) ~ 36” (TYP.)

C20.40
Plan View, Remove (Cases 19A & B-31) (Case 20-31) (case 21-31) from the span dimension

D-3
Sheet 1, Key Note 1, the term “Low Survivability” is revised to “Moderate Survivability”

D-3b
Key Note 7, reference D-3a is revised to D-3.10
TYPICAL SECTION, lower left corner, reference D-3a is revised to D-3.10

D-3c
Key Note 7, reference D-3a is revised to D-3.10
TYPICAL SECTION, lower left corner, references (2x) D-3a are revised to D-3.10

G-24.40
Existing callout - CORNER BOLT (TYP.)
New callout - CORNER BOLT OR SHOULDER BOLT (TYP.)

G-24.60
ELEVATION, upper left corner, callout W6x12 STEEL SIGN POST (TYP.) is revised to read: STEEL SIGN POST (TYP.).(See Contract Plans for Post Sizes) ELEVATION, upper center, callout Steel Sign Post~ (W6x12 through W10x26~ See Contract) is revised to read: Steel Sign Post (Typ.).(See Contract Plans for Post Sizes)

Both Elevations, dimension for “post height” should be to the top of the post not the sign

J-1f
Note 2, reference to J-7d is revised to J-15.15

J-3b
Sheet 2 of 2, Plan View of Service Cabinet, Boxed Note, “SEE STANDARD PLAN J-6C...” is revised to read:

“SEE STANDARD PLAN J-10.10...”
J-7e
Note 3, reference to J-7d is revised to J-15.15

J-10.10
Sheet 1, Plan Note 11. If the slope is 3H:1V or steeper, special considerations may be
necessary for safety reasons. Easier access using a stairway may be used. See Plan Sheet

Is revised to read as follows:
If the slope is 3H:1V or steeper, special considerations may be necessary for safety reasons.
Easier access using a stairway may be prudent. Contact WSDOT Bridge and Structures
office for stairway design.

J-16b
Key Note 1, reference to J-16a is revised to J-40.36

J-16c
Key Note 1, reference to J-16a is revised to J-40.36

J-20.10
Sheet 2, 2-Way Mounting Angle Detail,
Dimension 1.625” is revised to 1.8125”
Dimension 2.375” is revised to 2.1875”

J-21.10
Sheet 1, Detail C, callout 4-3/4” x 2’-6” Anchor Bolt (Typ.)~ASTM A-307 or F 1554 GR 36
(See Note 4) is revised to 3/4” x 2’-6” Anchor Bolt (Typ. of 4)~ASTM A-307 or F 1554 GR
36 (See Note 4)

Sheet 2, Detail F, callout 3-3/4” x 2’-6”x4” Anchor Bolt (Typ.)~ASTM A-307 or F 1554 GR
36 (See Note 4) is revised to 3/4” x 2’-6” Anchor Bolt (Typ. of 3)~ASTM A-307 or F 1554
GR 36 (See Note 4)

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

L-20.10, 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, 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, Sheet 1
Delete all references to tension cable and substitute tension wire.

L-30.10, 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.

M-65.10
PERSPECTIVE VIEW, add dim. “SEE NOTE 1” to right side of PERSPECTIVE VIEW.
To clarify that the requirement must be met on both sides of the roadway

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.

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| M-2.20-01 | 1/30/07 | M-15.10-01| 2/06/07 | M-40.40-00 | 9/20/07 |
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PREVAILING WAGE RATES
State of Washington  
Department of Labor & Industries  
Prevailing Wage Section - Telephone 360-902-5335  
PO Box 44540, Olympia, WA 98504-4540

Washington State Prevailing Wage

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

---

Journey Level Prevailing Wage Rates for the Effective Date:  
8/31/2011

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8/1/2011
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<td>Playground &amp; Park Equipment Installers</td>
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<td>Brokk - Remote Demolition Equipment</td>
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<td>7A</td>
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<td>Concrete Pump: Truck Mount With Boom Attachment Over 42 M</td>
<td>$50.39</td>
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<td>Yakima Power Equipment Operators</td>
<td>Concrete Finish Machine - laser Screed</td>
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<td>Yakima Power Equipment Operators</td>
<td>Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure.</td>
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<td>Yakima Power Equipment Operators</td>
<td>Concrete Pump: Truck Mount With Boom Attachment Up To 42m</td>
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<td>Yakima Power Equipment Operators</td>
<td>Cranes: 20 Tons Through 44 Tons With Attachments Overhead, Bridge Type Crane: 20 Tons Through 44 Tons</td>
<td>$49.90</td>
<td>7A</td>
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<td>Yakima Power Equipment Operators</td>
<td>Cranes: 100 Tons Through 199 Tons, or 150' of boom (including jib with attachments); Overhead, bridge type, 100 tons and over; Tower crane up to 175' in height, base to boom.</td>
<td>$50.94</td>
<td>7A</td>
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<td>Yakima Power Equipment Operators</td>
<td>Cranes: 200 Tons To 300 Tons, Or 250' Of Boom (including Jib With Attachments)</td>
<td>$51.51</td>
<td>7A</td>
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<td>Yakima Power Equipment Operators</td>
<td>Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)</td>
<td>$50.39</td>
<td>7A</td>
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<td>Yakima Power Equipment Operators</td>
<td>Cranes: A-frame - 10 Tons And Under</td>
<td>$47.12</td>
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<td>Yakima Power Equipment Operators</td>
<td>Cranes: Friction 100 Tons Through 199 Tons</td>
<td>$51.51</td>
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<td>Yakima Power Equipment Operators</td>
<td>Cranes: Friction Over 200 Tons</td>
<td>$52.07</td>
<td>7A</td>
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<td>Yakima Power Equipment Operators</td>
<td>Cranes: Over 300 Tons Or 300' Of Boom (including Jib With Attachments)</td>
<td>$52.07</td>
<td>7A</td>
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<td>Yakima Power Equipment Operators</td>
<td>Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons</td>
<td>$49.48</td>
<td>7A</td>
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<td>Crusher</td>
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<td>Yakima Power Equipment Operators</td>
<td>Deck Engineer/deck Winches (power)</td>
<td>$49.90</td>
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<td>Derricks, On Building Work</td>
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<td>Dozer Quad 9, HD 41, D10 and Over</td>
<td>$50.39</td>
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<td>Dozers D-9 &amp; Under</td>
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<td>7A</td>
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<td>Yakima</td>
<td>Power Equipment Operators</td>
<td>Drill Oilers: Auger Type, Truck Or Crane Mount</td>
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<td>7</td>
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<td>Yakima</td>
<td>Power Equipment Operators</td>
<td>Drilling Machine</td>
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<td>Power Equipment Operators</td>
<td>Elevator And Man-lift: Permanent And Shaft Type</td>
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<td>Yakima</td>
<td>Power Equipment Operators</td>
<td>Finishing Machine, Bidwell And Gamaco &amp; Similar Equipment</td>
<td>$49.90</td>
<td>7</td>
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<td>Power Equipment Operators</td>
<td>Forklift: 3000 Lbs And Over With Attachments</td>
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<td>Power Equipment Operators</td>
<td>Forklifts: Under 3000 Lbs. With Attachments</td>
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<td>Power Equipment Operators</td>
<td>Grade Engineer: Using Blue Prints, Cut Sheets, Etc</td>
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<td>7</td>
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<td>Power Equipment Operators</td>
<td>Gradechecker/stakeman</td>
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<td>7</td>
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<td>Power Equipment Operators</td>
<td>Guardrail Punch/Auger</td>
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<td>Hard Tail End Dump Articulating Off-Road Equipment 45 Yards. &amp; Over</td>
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<td>Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards</td>
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<td>Yakima</td>
<td>Power Equipment Operators</td>
<td>Horizontal/directional Drill Locator</td>
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<td>7</td>
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<td>Horizontal/directional Drill Operator</td>
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<td>7</td>
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<tr>
<td>Yakima</td>
<td>Power Equipment Operators</td>
<td>Hydralifts/boom Trucks Over 10 Tons</td>
<td>$49.48</td>
<td>7</td>
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<td>Power Equipment Operators</td>
<td>Hydralifts/boom Trucks, 10 Tons And Under</td>
<td>$47.12</td>
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<td>Power Equipment Operators</td>
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<td>Loader, Overhead, 6 Yards. But Not Including 8 Yards</td>
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<td>Power Equipment Operators</td>
<td>Loaders, Overhead Under 6 Yards</td>
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<td>Power Equipment Operators</td>
<td>Loaders, Plant Feed</td>
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<td>Power Equipment Operators</td>
<td>Loaders: Elevating Type Belt</td>
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<td>Power Equipment Operators</td>
<td>Locomotives, All</td>
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<td>Power Equipment Operators</td>
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<td>Power Equipment Operators</td>
<td>Mixers: Asphalt Plant</td>
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<td>Power Equipment Operators</td>
<td>Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield</td>
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<td>Power Equipment Operators</td>
<td>Oil Distributors, Blower Distribution &amp; Mulch Seeding Operator</td>
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<td>Yakima</td>
<td>Power Equipment Operators</td>
<td>Outside Hoists (elevators And Manlifts), Air Tuggers,strato</td>
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<td>Power Equipment Operators</td>
<td>Overhead, Bridge Type: 45 Tons Through 99 Tons</td>
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<td>Pile Driver (other Than Crane Mount)</td>
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<td>Location</td>
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<td>Yakima</td>
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<td>Remote Control Operator On Rubber Tired Earth Moving Equipment</td>
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<td>Rigger And Bellman</td>
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<td>Yakima</td>
<td>Roller, Other Than Plant Mix</td>
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<td>8P</td>
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<td>Roller, Plant Mix Or Multi-lift Materials</td>
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<td>Roto-mill, Roto-grinder</td>
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<td>Saws - Concrete</td>
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<td>1T</td>
<td>8P</td>
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<td>Scrapers - Concrete &amp; Carry All</td>
<td>$49.48</td>
<td>7A</td>
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<td>8P</td>
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<td>Yakima</td>
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<td>Scrapers, Self-propelled: 45 Yards And Over</td>
<td>$50.39</td>
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<td>1T</td>
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<td>Shotcrete/gunite Equipment</td>
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<td>7A</td>
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<td>8P</td>
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<td>Yakima</td>
<td>Power Equipment Operators</td>
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<td></td>
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<tr>
<td>Yakima</td>
<td>Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons.</td>
<td>$49.48</td>
<td>7A</td>
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<td>Concrete Pump: Truck Mount With Boom Attachment Over 42 M</td>
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<td>Concrete Pump: Truck Mount With Boom Attachment Up To 42m</td>
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<td>Cranes: 20 Tons Through 44 Tons With Attachments Overhead, Bridge Type Crane: 20 Tons Through 44 Tons</td>
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<td>Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)</td>
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<td>Cranes: Over 300 Tons Or 300' Of Boom (including Jib With Attachments)</td>
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<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td>Quick Tower - No Cab, Under 100 Feet In Height Based To Boom</td>
<td>$47.12</td>
<td>7A</td>
<td>1T</td>
<td>8P</td>
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<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td>Rigger And Bellman</td>
<td>$47.12</td>
<td>7A</td>
<td>1T</td>
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<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td>Rollagon</td>
<td>$50.39</td>
<td>7A</td>
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<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td>Roller, Other Than Plant Mix</td>
<td>$47.12</td>
<td>7A</td>
<td>1T</td>
<td>8P</td>
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<tr>
<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Roller, Plant Mix Or Multi-lift Materials</strong></td>
<td>$49.48</td>
<td>7A</td>
<td>1T</td>
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<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Roto-mill, Roto-grinder</strong></td>
<td>$49.90</td>
<td>7A</td>
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<tr>
<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Saws - Concrete</strong></td>
<td>$49.48</td>
<td>7A</td>
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<td>8P</td>
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<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Scraper, Self Propelled Under 45 Yards</strong></td>
<td>$49.90</td>
<td>7A</td>
<td>1T</td>
<td>8P</td>
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<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Scraper - Concrete &amp; Carry All</strong></td>
<td>$49.48</td>
<td>7A</td>
<td>1T</td>
<td>8P</td>
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<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Scraper, Self-propelled: 45 Yards And Over</strong></td>
<td>$50.39</td>
<td>7A</td>
<td>1T</td>
<td>8P</td>
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<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Service Engineers - Equipment</strong></td>
<td>$49.48</td>
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<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Shotcrete/gunitite Equipment</strong></td>
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<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons.</strong></td>
<td>$49.48</td>
<td>7A</td>
<td>1T</td>
<td>8P</td>
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<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons</strong></td>
<td>$50.39</td>
<td>7A</td>
<td>1T</td>
<td>8P</td>
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<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons</strong></td>
<td>$49.90</td>
<td>7A</td>
<td>1T</td>
<td>8P</td>
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<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons</strong></td>
<td>$50.94</td>
<td>7A</td>
<td>1T</td>
<td>8P</td>
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<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Shovel, Excavator, Backhoes: Over 90 Metric Tons</strong></td>
<td>$51.51</td>
<td>7A</td>
<td>1T</td>
<td>8P</td>
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<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Slipform Pavers</strong></td>
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<td>7A</td>
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<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Spreader, Topsider &amp; Screedman</strong></td>
<td>$50.39</td>
<td>7A</td>
<td>1T</td>
<td>8P</td>
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<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Subgrader Trimmer</strong></td>
<td>$49.90</td>
<td>7A</td>
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<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Tower Bucket Elevators</strong></td>
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<td>7A</td>
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<td>8P</td>
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<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Tower Crane Over 175'in Height, Base To Boom</strong></td>
<td>$51.51</td>
<td>7A</td>
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<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Tower Crane Up To 175' In Height Base To Boom</strong></td>
<td>$50.94</td>
<td>7A</td>
<td>1T</td>
<td>8P</td>
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<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Transporters, All Track Or Truck Type</strong></td>
<td>$50.39</td>
<td>7A</td>
<td>1T</td>
<td>8P</td>
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<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Trenching Machines</strong></td>
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<td>8P</td>
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<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Truck Crane Oiler/driver - 100 Tons And Over</strong></td>
<td>$49.90</td>
<td>7A</td>
<td>1T</td>
<td>8P</td>
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<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Truck Crane Oiler/driver Under 100 Tons</strong></td>
<td>$49.48</td>
<td>7A</td>
<td>1T</td>
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<td>Yakima</td>
<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Truck Mount Portable Conveyor</strong></td>
<td>$49.90</td>
<td>7A</td>
<td>1T</td>
<td>8P</td>
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<td>Power Equipment Operators-Underground Sewer &amp; Water</td>
<td><strong>Welder</strong></td>
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<td>7A</td>
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<td>Power Equipment Operators: Underground Sewer &amp; Water</td>
<td>Wheel Tractors, Farmall Type</td>
<td>$47.12</td>
<td>7A</td>
<td>1T</td>
<td>8P</td>
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<td>Yakima</td>
<td>Power Line Clearance Tree Trimmers</td>
<td>Journey Level In Charge</td>
<td>$41.95</td>
<td>5A</td>
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<td>Yakima</td>
<td>Power Line Clearance Tree Trimmers</td>
<td>Spray Person</td>
<td>$39.83</td>
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<td>Tree Equipment Operator</td>
<td>$40.36</td>
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<td>Power Line Clearance Tree Trimmers</td>
<td>Tree Trimmer</td>
<td>$37.53</td>
<td>5A</td>
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<td>Power Line Clearance Tree Trimmers</td>
<td>Tree Trimmer Groundperson</td>
<td>$28.35</td>
<td>5A</td>
<td>4A</td>
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<td>Yakima</td>
<td>Refrigeration &amp; Air Conditioning Mechanics</td>
<td>Journey Level</td>
<td>$28.11</td>
<td>6l</td>
<td>1B</td>
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<tr>
<td>Yakima</td>
<td>Residential Brick Mason</td>
<td>Journey Level</td>
<td>$29.00</td>
<td>6l</td>
<td>1B</td>
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<td>Yakima</td>
<td>Residential Carpenters</td>
<td>Journey Level</td>
<td>$17.14</td>
<td>6l</td>
<td>1B</td>
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<tr>
<td>Yakima</td>
<td>Residential Cement Masons</td>
<td>Journey Level</td>
<td>$11.86</td>
<td>6l</td>
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<td>Yakima</td>
<td>Residential Drywall Applicators</td>
<td>Journey Level</td>
<td>$18.00</td>
<td>6l</td>
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<td>Yakima</td>
<td>Residential Drywall Tapers</td>
<td>Journey Level</td>
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<td>6l</td>
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<tr>
<td>Yakima</td>
<td>Residential Electricians</td>
<td>Journey Level</td>
<td>$21.98</td>
<td>6l</td>
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<td>Yakima</td>
<td>Residential Glaziers</td>
<td>Journey Level</td>
<td>$22.43</td>
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<td>Yakima</td>
<td>Residential Insulation Applicators</td>
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<td>$14.38</td>
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<td>Residential Laborers</td>
<td>Journey Level</td>
<td>$11.02</td>
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<td>Yakima</td>
<td>Residential Marble Setters</td>
<td>Journey Level</td>
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<td>6l</td>
<td>1B</td>
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<tr>
<td>Yakima</td>
<td>Residential Painters</td>
<td>Journey Level</td>
<td>$16.32</td>
<td>6l</td>
<td>1B</td>
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<tr>
<td>Yakima</td>
<td>Residential Plumbers &amp; Pipefitters</td>
<td>Journey Level</td>
<td>$20.55</td>
<td>6l</td>
<td>1B</td>
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<tr>
<td>Yakima</td>
<td>Residential Refrigeration &amp; Air Conditioning Mechanics</td>
<td>Journey Level</td>
<td>$28.11</td>
<td>6l</td>
<td>1B</td>
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<tr>
<td>Yakima</td>
<td>Residential Sheet Metal Workers</td>
<td>Journey Level</td>
<td>$36.25</td>
<td>6l</td>
<td>1B</td>
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<tr>
<td>Yakima</td>
<td>Residential Woodworkers</td>
<td>Journey Level</td>
<td>$17.55</td>
<td>6l</td>
<td>1B</td>
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<td>Yakima</td>
<td>Residential Sprinkler Fitters (Fire Protection)</td>
<td>Journey Level</td>
<td>$8.67</td>
<td>6l</td>
<td>1B</td>
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<tr>
<td>Yakima</td>
<td>Residential Masons</td>
<td>Journey Level</td>
<td>$16.00</td>
<td>6l</td>
<td>1B</td>
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<td>Yakima</td>
<td>Residential Terrazzo Workers</td>
<td>Journey Level</td>
<td>$8.67</td>
<td>6l</td>
<td>1B</td>
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<tr>
<td>Yakima</td>
<td>Residential Terrazzo/Tile Finishers</td>
<td>Journey Level</td>
<td>$17.00</td>
<td>6l</td>
<td>1B</td>
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<tr>
<td>Yakima</td>
<td>Residential Tile Setters</td>
<td>Journey Level</td>
<td>$16.78</td>
<td>6l</td>
<td>1B</td>
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<tr>
<td>Yakima</td>
<td>Roofers</td>
<td>Journey Level</td>
<td>$12.00</td>
<td>6l</td>
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<td>Yakima</td>
<td>Sheet Metal Workers</td>
<td>Journey Level</td>
<td>$49.76</td>
<td>5A</td>
<td>1X</td>
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<td>Yakima</td>
<td>Shipbuilding &amp; Ship Repair</td>
<td>Journey Level</td>
<td>$8.67</td>
<td>5A</td>
<td>1X</td>
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<tr>
<td>Yakima</td>
<td>Sign Makers &amp; Installers (Electrical)</td>
<td>Journey Level</td>
<td>$14.65</td>
<td>5A</td>
<td>1X</td>
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<tr>
<td>Yakima</td>
<td>Sign Makers &amp; Installers (Non-Electrical)</td>
<td>Journey Level</td>
<td>$14.65</td>
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<tr>
<td>Yakima</td>
<td>Soft Floor Layers</td>
<td>Journey Level</td>
<td>$23.11</td>
<td>5A</td>
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<td>Yakima</td>
<td>Solar Controls For Windows</td>
<td>Journey Level</td>
<td>$8.67</td>
<td>5A</td>
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<td>Yakima</td>
<td>Sprinkler Fitters (Fire Protection)</td>
<td>Journey Level</td>
<td>$26.36</td>
<td>5A</td>
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<td>Yakima</td>
<td>Stage Rigging Mechanics (Non Structural)</td>
<td>Journey Level</td>
<td>$13.23</td>
<td>5A</td>
<td>1N</td>
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<td>Yakima</td>
<td>Stone Masons</td>
<td>Journey Level</td>
<td>$40.03</td>
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<tr>
<td>Yakima</td>
<td>Street And Parking Lot Sweeper</td>
<td>Journey Level</td>
<td>$8.67</td>
<td>5A</td>
<td>1M</td>
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<td>Workers</td>
<td>Position</td>
<td>Rate</td>
<td>Grade</td>
<td>Zone</td>
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<td>Yakima Surveyors</td>
<td>Assistant Construction Site Surveyor</td>
<td>$49.48</td>
<td>7A</td>
<td>1T</td>
<td>8P</td>
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<tr>
<td>Yakima Surveyors</td>
<td>Chainman</td>
<td>$48.96</td>
<td>7A</td>
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<td>8P</td>
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<td>Yakima Surveyors</td>
<td>Construction Site Surveyor</td>
<td>$50.39</td>
<td>7A</td>
<td>1T</td>
<td>8P</td>
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<td>Yakima Telecommunication Technicians</td>
<td>Journey Level</td>
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<td>Yakima Telephone Line Construction - Outside</td>
<td>Cable Splicer</td>
<td>$34.20</td>
<td>5A</td>
<td>2B</td>
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<tr>
<td>Yakima Telephone Line Construction - Outside</td>
<td>Hole Digger/Ground Person</td>
<td>$18.72</td>
<td>5A</td>
<td>2B</td>
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<tr>
<td>Yakima Telephone Line Construction - Outside</td>
<td>Installer (Repairer)</td>
<td>$32.78</td>
<td>5A</td>
<td>2B</td>
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<tr>
<td>Yakima Telephone Line Construction - Outside</td>
<td>Special Apparatus Installer I</td>
<td>$34.20</td>
<td>5A</td>
<td>2B</td>
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<td>Yakima Telephone Line Construction - Outside</td>
<td>Special Apparatus Installer II</td>
<td>$33.51</td>
<td>5A</td>
<td>2B</td>
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<td>Yakima Telephone Line Construction - Outside</td>
<td>Telephone Equipment Operator (Heavy)</td>
<td>$34.21</td>
<td>5A</td>
<td>2B</td>
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<td>Yakima Telephone Line Construction - Outside</td>
<td>Telephone Equipment Operator (Light)</td>
<td>$31.81</td>
<td>5A</td>
<td>2B</td>
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<tr>
<td>Yakima Telephone Line Construction - Outside</td>
<td>Telephone Lineperson</td>
<td>$31.81</td>
<td>5A</td>
<td>2B</td>
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<tr>
<td>Yakima Telephone Line Construction - Outside</td>
<td>Television Groundperson</td>
<td>$18.16</td>
<td>5A</td>
<td>2B</td>
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<td>Yakima Telephone Line Construction - Outside</td>
<td>Television Lineperson/Installer</td>
<td>$24.09</td>
<td>5A</td>
<td>2B</td>
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<tr>
<td>Yakima Telephone Line Construction - Outside</td>
<td>Television System Technician</td>
<td>$28.72</td>
<td>5A</td>
<td>2B</td>
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<td>Yakima Telephone Line Construction - Outside</td>
<td>Television Technician</td>
<td>$25.81</td>
<td>5A</td>
<td>2B</td>
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<td>Yakima Telephone Line Construction - Outside</td>
<td>Tree Trimmer</td>
<td>$31.82</td>
<td>5A</td>
<td>2B</td>
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<td>Yakima Terrazzo Workers</td>
<td>Journey Level</td>
<td>$31.90</td>
<td>5A</td>
<td>1M</td>
<td></td>
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<tr>
<td>Yakima Tile Setters</td>
<td>Journey Level</td>
<td>$31.90</td>
<td>5A</td>
<td>1M</td>
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<td>Yakima Tile, Marble &amp; Terrazzo Finishers</td>
<td>Journey Level</td>
<td>$27.82</td>
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<td>Asphalt Mix</td>
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<td>Dump Truck &amp; Trailer (c.wa-760)</td>
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<td>6I</td>
<td>2G</td>
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<tr>
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<td>Dump Truck (c.wa-760)</td>
<td>$36.06</td>
<td>6I</td>
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<tr>
<td>Yakima Truck Drivers</td>
<td>Mixer Trucks</td>
<td>$36.06</td>
<td>6I</td>
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<td>Yakima Truck Drivers</td>
<td>Other Trucks (c.wa-760)</td>
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<td>6I</td>
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OVERTIME CODES

OVERTIME CALCULATIONS ARE BASED ON THE HOURLY RATE ACTUALLY PAID TO THE WORKER. ON PUBLIC WORKS PROJECTS, THE HOURLY RATE MUST BE NOT LESS THAN THE PREVAILING RATE OF WAGE MINUS THE HOURLY RATE OF THE COST OF FRINGE BENEFITS ACTUALLY PROVIDED FOR THE WORKER.

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

B. ALL HOURS WORKED ON SATURDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.

C. THE FIRST TWO (2) HOURS AFTER EIGHT (8) REGULAR HOURS MONDAY THROUGH FRIDAY AND THE FIRST TEN (10) HOURS ON SATURDAY SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL OTHER OVERTIME HOURS AND ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.

D. THE FIRST TWO (2) HOURS BEFORE OR AFTER A FIVE - EIGHT (8) HOUR WORK WEEK OR A FOUR - TEN (10) HOUR WORK WEEK 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 ALSO BE PAID AT ONE AND 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 HOURS WORKED ON HOLIDAYS AND ALL OTHER OVERTIME HOURS WORKED, EXCEPT LABOR DAY, SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON LABOR DAY SHALL BE PAID AT THREE TIMES THE HOURLY RATE OF WAGE.

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 SUNDAYS 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.

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 WORKWEEK) AND ON SATURDAYS AND HOLIDAYS (EXCEPT LABOR DAY) SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. (EXCEPT FOR EMPLOYEES WHO ARE ABSENT FROM WORK WITHOUT PRIOR APROVAL ON A SCHEDULED WORKDAY DURING THE WORKWEEK SHALL BE PAID AT THE STRAIGHT-TIME RATE UNTIL THEY HAVE WORKED 8 HOURS IN A DAY (10 IN A 4 X 10 WORKWEEK) OR 40 HOURS DURING THAT WORKWEEK) ALL HOURS WORKED MONDAY THROUGH SATURDAY OVER TWELVE (12) HOURS AND ALL HOURS WORKED ON SUNDAYS AND LABOR DAY SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
BENEFIT CODE KEY - EFFECTIVE 03-03-2011 THRU 08-31-2011

1. 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.

B. ALL HOURS WORKED ON HOLIDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

C. ALL HOURS WORKED ON SUNDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON HOLIDAYS SHALL BE PAID AT TWO TIMES THE HOURLY RATE OF WAGE.

F. THE FIRST EIGHT (8) HOURS WORKED ON HOLIDAYS SHALL BE PAID AT THE STRAIGHT HOURLY RATE OF WAGE IN ADDITION TO THE HOLIDAY PAY. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS ON HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.

G. ALL HOURS WORKED ON SUNDAY SHALL BE PAID AT TWO TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON PAID HOLIDAYS SHALL BE PAID AT TWO AND ONE-HALF TIMES THE HOURLY RATE OF WAGE INCLUDING HOLIDAY PAY.

H. ALL HOURS WORKED ON SUNDAY SHALL BE PAID AT TWO TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON HOLIDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

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

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.

2. 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.

U. ALL HOURS WORKED ON SUNDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED OVER 12 HOURS IN A DAY, OR ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.


Z. ALL HOURS WORKED MONDAY THROUGH FRIDAY BETWEEN THE HOURS OF 6:00 P.M. AND 6:00 A.M. AND ALL HOURS WORKED ON SUNDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE, EXCEPT FOR COMMERCIAL, OCCUPIED BUILDINGS WHERE FLOOR COVERING WORK CANNOT BE PERFORMED IN THE REGULAR DAYTIME HOURS DUE TO OCCUPANCY. FOR SUCH OCCUPIED, COMMERCIAL BUILDINGS, THE EMPLOYEE MAY AGREE TO WORK BETWEEN THE HOURS OF 6:00 PM TO 6:00 AM MONDAY THROUGH SATURDAY MORNING AT 6:00 AM AT AN OVERTIME PAY RATE OF 10% OVER THE STRAIGHT TIME RATE. ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
4. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

A. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON SATURDAYS, SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.

B. ALL HOURS WORKED 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 MONDAY THROUGH SATURDAY OVER TWELVE (12) HOURS AND ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.

HOLIDAY CODES

5. A. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (7).

B. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING DAY, THE DAY BEFORE CHRISTMAS, AND CHRISTMAS DAY (8).

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

D. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AND SATURDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (8).


I. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, AND CHRISTMAS DAY (6).

J. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING DAY, CHRISTMAS EVE DAY, AND CHRISTMAS DAY (7).

K. HOLIDAYS: NEW YEAR'S DAY, PRESIDENTS' DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING DAY, THE DAY BEFORE CHRISTMAS, AND CHRISTMAS DAY (9).

L. HOLIDAYS: NEW YEAR'S DAY, MARTIN LUTHER KING JR. DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (8)

N. HOLIDAYS: NEW YEAR'S DAY, PRESIDENTS' DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERANS' DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (9).

P. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, FRIDAY AND SATURDAY AFTER THANKSGIVING DAY, THE DAY BEFORE CHRISTMAS, AND CHRISTMAS DAY (9). IF A HOLIDAY FALLS ON SUNDAY, THE FOLLOWING MONDAY SHALL BE CONSIDERED AS A HOLIDAY.

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).

5. 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).

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


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).


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).


B. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AND SATURDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (8). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. ANY HOLIDAY WHICH FALLS ON A SATURDAY SHALL BE OBSERVED AS A HOLIDAY ON THE PRECEDING FRIDAY.

C. HOLIDAYS: NEW YEAR'S DAY, MARTIN LUTHER KING JR. DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (8). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. ANY HOLIDAY WHICH FALLS ON A SATURDAY SHALL BE OBSERVED AS A HOLIDAY ON THE PRECEDING FRIDAY.

D. PAID HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERAN'S DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (8). UNPAID HOLIDAYS: PRESIDENT'S DAY. ANY PAID HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. ANY PAID HOLIDAY WHICH FALLS ON A SATURDAY SHALL BE OBSERVED AS A HOLIDAY ON THE PRECEDING FRIDAY.

E. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (7). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. ANY HOLIDAY WHICH FALLS ON A SATURDAY SHALL BE OBSERVED AS A HOLIDAY ON THE PRECEDING FRIDAY.
F. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, THE LAST WORKING DAY BEFORE CHRISTMAS DAY AND CHRISTMAS DAY (8). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. ANY HOLIDAY WHICH FALLS ON A SATURDAY SHALL BE OBSERVED AS A HOLIDAY ON THE PRECEDING FRIDAY.

G. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, AND CHRISTMAS DAY (6). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY.

H. HOLIDAYS: NEW YEAR'S DAY, MARTIN LUTHER KING JR. DAY, INDEPENDENCE DAY, MEMORIAL DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, THE LAST WORKING DAY BEFORE CHRISTMAS DAY AND CHRISTMAS DAY (9). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. ANY HOLIDAY WHICH FALLS ON A SATURDAY SHALL BE OBSERVED AS A HOLIDAY ON THE PRECEDING FRIDAY.

I. HOLIDAYS: NEW YEAR'S DAY, PRESIDENT'S DAY, INDEPENDENCE DAY, MEMORIAL DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, THE DAY BEFORE CHRISTMAS DAY AND CHRISTMAS DAY (9). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. ANY HOLIDAY WHICH FALLS ON A SATURDAY SHALL BE OBSERVED AS A HOLIDAY ON THE PRECEDING FRIDAY.

J. HOLIDAYS: NEW YEAR'S DAY, INDEPENDENCE DAY, MEMORIAL DAY, LABOR DAY, THANKSGIVING DAY AND CHRISTMAS DAY (6). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. ANY HOLIDAY WHICH FALLS ON A SATURDAY SHALL BE OBSERVED AS A HOLIDAY ON THE PRECEDING FRIDAY.

K. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, THANKSGIVING DAY, THE FRIDAY AND SATURDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (8). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. ANY HOLIDAY WHICH FALLS ON A SATURDAY SHALL BE OBSERVED AS A HOLIDAY ON THE PRECEDING FRIDAY.

L. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, LABOR DAY, INDEPENDENCE DAY, THANKSGIVING DAY, THE LAST WORKING DAY BEFORE CHRISTMAS DAY, AND CHRISTMAS DAY (7). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. ANY HOLIDAY WHICH FALLS ON A SATURDAY SHALL BE OBSERVED AS A HOLIDAY ON THE PRECEDING FRIDAY.

7.

M. PAID HOLIDAYS: NEW YEAR'S DAY, THE DAY AFTER OR BEFORE NEW YEAR'S DAY, PRESIDENT'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, CHRISTMAS DAY, AND THE DAY AFTER OR BEFORE CHRISTMAS DAY. 10. ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. ANY HOLIDAY WHICH FALLS ON A SATURDAY SHALL BE OBSERVED AS A HOLIDAY ON THE PRECEDING FRIDAY.

N. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (7). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. WHEN CHRISTMAS FALLS ON A SATURDAY, THE PRECEDING FRIDAY SHALL BE OBSERVED AS A HOLIDAY.


P. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (7). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY.

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

8. P. WORKERS ON HAZMAT PROJECTS RECEIVE ADDITIONAL HOURLY PREMIUMS AS FOLLOWS - CLASS A SUIT: $2.00, CLASS B SUIT: $1.50, CLASS C SUIT: $1.00, AND CLASS D SUIT $0.50.

Q. THE HIGHEST PRESSURE REGISTERED ON THE GAUGE FOR AN ACCUMULATED TIME OF MORE THAN FIFTEEN (15) MINUTES DURING THE SHIFT SHALL BE USED IN DETERMINING THE SCALE PAID.
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.

<table>
<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>
</tr>
<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>
<td></td>
<td>X</td>
</tr>
<tr>
<td>ITEM DESCRIPTION</td>
<td>YES</td>
<td>NO</td>
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<tr>
<td>---------------------------------------------------------------------------------</td>
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</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>
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<tr>
<td>Contract Plans and Std. Plans for size and material type.</td>
<td></td>
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</tr>
<tr>
<td>9. Aluminum Pedestrian Handrail - Pedestrian handrail conforming to the type</td>
<td>X</td>
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<tr>
<td>and material specifications set forth in the contract plans. Welding of</td>
<td></td>
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<tr>
<td>aluminum shall be in accordance with Section 9-28.14(3).</td>
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<tr>
<td>10. Major Structural Steel Fabrication - Fabrication of major steel items</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>such 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</td>
<td>X</td>
<td></td>
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<tr>
<td>such as special hangars, brackets, access doors for structures, access</td>
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<td></td>
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<tr>
<td>ladders for irrigation boxes, bridge expansion joint systems, etc., involving</td>
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<tr>
<td>welding, cutting, punching and/or boring of holes. See Contact Plans for item</td>
<td></td>
<td></td>
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<tr>
<td>description and shop drawings.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12. Aluminum Bridge Railing Type BP - Metal bridge railing conforming to the</td>
<td></td>
<td>X</td>
</tr>
<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 9-28.14(3).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13. Concrete Piling—Precast-Prestressed concrete piling for use as 55 and 70</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>ton concrete piling. Concrete to conform to Section 9-19.1 of Std. Spec..</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. Precast Manhole Types 1, 2, and 3 with cones, adjustment sections and flat</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>top slabs. See Std. Plans.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15. Precast Drywell Types 1, 2, and with cones and adjustment Sections.</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>See Std. Plans.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16. Precast Catch Basin - Catch Basin type 1, 1L, 1P, and 2 With adjustment</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>sections. See Std. Plans.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ITEM DESCRIPTION</td>
<td>YES</td>
<td>NO</td>
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<tr>
<td>---------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>17. Precast Concrete Inlet - with adjustment sections, See Std. Plans</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>18. Precast Drop Inlet Type 1 and 2 with metal grate supports. See Std. Plans.</td>
<td></td>
<td>X</td>
</tr>
<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>
<td></td>
<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>
</tr>
<tr>
<td>22. Vault Risers - For use with Valve Vaults and Utilities Vaults.</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>23. Valve Vault - For use with underground utilities. See Contract Plans for details.</td>
<td></td>
<td>X</td>
</tr>
<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>
<td></td>
<td>X</td>
</tr>
<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>
<td></td>
<td>X</td>
</tr>
<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>
<td></td>
<td>X</td>
</tr>
<tr>
<td>ITEM</td>
<td>DESCRIPTION</td>
<td>YES</td>
</tr>
<tr>
<td>------</td>
<td>--------------------------------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>27.</td>
<td>Precast Railroad Crossings - Concrete Crossing Structure Slabs.</td>
<td></td>
</tr>
<tr>
<td>28.</td>
<td>12, 18 and 28 inch Standard Precast Prestressed Girder – Standard Precast Prestressed Girder for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A</td>
<td></td>
</tr>
<tr>
<td>29.</td>
<td>Prestressed Concrete Girder Series 4-14 - Prestressed Concrete Girders for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A</td>
<td></td>
</tr>
<tr>
<td>30.</td>
<td>Prestressed Tri-Beam Girder - Prestressed Tri-Beam Girders for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A</td>
<td></td>
</tr>
<tr>
<td>31.</td>
<td>Prestressed Precast Hollow-Core Slab – Precast Prestressed Hollow-core slab for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A</td>
<td></td>
</tr>
<tr>
<td>32.</td>
<td>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>
<td></td>
</tr>
<tr>
<td>33.</td>
<td>Monument Case and Cover See Std. Plan.</td>
<td></td>
</tr>
<tr>
<td>ITEM DESCRIPTION</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>----------------------------------------------------------------------------------</td>
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</tr>
<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>
<td>X</td>
<td></td>
</tr>
<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>
<td></td>
<td>X</td>
</tr>
<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>
<td>X</td>
</tr>
<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></td>
<td>X</td>
</tr>
<tr>
<td>38. Light Standard-Prestressed - Spun, prestressed, hollow concrete poles.</td>
<td></td>
<td>X</td>
</tr>
<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>
<td>X</td>
</tr>
<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>
<td></td>
<td>X</td>
</tr>
<tr>
<td>41. Precast Concrete Sloped Mountable Curb (Single and DualFaced) See Std. Plans.</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>
# WSDOT's Predetermined List for Suppliers - Manufactures - Fabricator

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

Supplemental to Wage Rates
03/03/2011 Edition, Published February, 2011
WSDOT's Predetermined List for Suppliers - Manufactures - Fabricator

<table>
<thead>
<tr>
<th>ITEM DESCRIPTION</th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>53. Fencing materials</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>54. Guide Posts</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>55. Traffic Buttons</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>56. Epoxy</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>57. Cribbing</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>58. Water distribution materials</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>59. Steel &quot;H&quot; piles</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>60. Steel pipe for concrete pile casings</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>61. Steel pile tips, standard</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>62. Steel pile tips, custom</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>
State of Washington  
Department of Labor and Industries  
Prevailing Wage Section - Telephone (360) 902-9045  
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 this calculation requirements is provided on the Benefit Code Key.

**METAL FABRICATION (IN SHOP)**  
**EFFECTIVE 03/03/2011**

(See Benefit Code Key)

<table>
<thead>
<tr>
<th>Classification Code</th>
<th>Prevailing Wage</th>
<th>Overtime Code</th>
<th>Holiday Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Counties Covered:</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>ADAMS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FITTER</td>
<td>$12.76</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>LABORER</td>
<td>$8.67</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>MACHINE OPERATOR</td>
<td>$12.66</td>
<td></td>
<td>1</td>
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<tr>
<td>PAINTER</td>
<td>$10.20</td>
<td></td>
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</tr>
<tr>
<td>Counties Covered:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ASOTIN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, KITTITAS, LINCOLN, OKANOGAN, PENDELWALLA WALLA AND WHITMAN</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FITTER</td>
<td>$12.76</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>LABORER</td>
<td>$8.67</td>
<td></td>
<td>1</td>
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<tr>
<td>MACHINE OPERATOR</td>
<td>$12.66</td>
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<tr>
<td>PAINTER</td>
<td>$10.20</td>
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<tr>
<td>WELDER</td>
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<tr>
<td>Counties Covered:</td>
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<tr>
<td>BENTON</td>
<td></td>
<td></td>
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<tr>
<td>MACHINE OPERATOR</td>
<td>$10.53</td>
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<tr>
<td>PAINTER</td>
<td>$9.76</td>
<td></td>
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<tr>
<td>Counties Covered:</td>
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<tr>
<td>CHELAN</td>
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<tr>
<td>FITTER</td>
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Supplemental to Wage Rates  
03/03/2011 Edition, Published February, 2011
METAL FABRICATION (IN SHOP)
EFFECTIVE 03/03/2011

(See Benefit Code Key)

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<th>Overtime Code</th>
<th>Holiday Code</th>
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Supplemental to Wage Rates
03/03/2011 Edition, Published February, 2011
### METAL FABRICATION (IN SHOP)
#### EFFECTIVE 03/03/2011

(See Benefit Code Key)

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<th>Holiday Code</th>
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# METAL FABRICATION (IN SHOP)
**EFFECTIVE 03/03/2011**

(See Benefit Code Key)

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<tr>
<th>Classification Code</th>
<th>Prevailing Wage</th>
<th>Overtime Code</th>
<th>Holiday Code</th>
</tr>
</thead>
</table>

Counties Covered:

**THURSTON**

- FITTER: $27.10, Code 2U, Code 6T
- LABORER: $16.91, Code 2U, Code 6T
- LAYEROUT: $30.83, Code 2U, Code 6T
- MACHINE OPERATOR: $20.86, Code 2U, Code 6T
- WELDER: $24.74, Code 2U, Code 6T

Counties Covered:

**WHATCOM**

- FITTER/WELDER: $13.81, Code 1
- LABORER: $9.00, Code 1
- MACHINE OPERATOR: $13.81, Code 1

Counties Covered:

**YAKIMA**

- FITTER: $12.00, Code 1
- LABORER: $10.31, Code 1
- MACHINE OPERATOR: $11.32, Code 1
- PAINTER: $12.00, Code 1
- WELDER: $11.32, Code 1
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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.]
STANDARD PLANS
NOTES

1. As acceptable alternatives to the rebar shown in the PRECAST BASE SECTION, fibers (placed according to the Standard Specifications), or wire mesh having a minimum area of 0.12 square inches per foot shall be used. These minimum required rebar shown in the ALTERNATIVE PRECAST BASE SECTION. Wire mesh shall not be placed in the knockouts.

2. The knockout diameter shall not be greater than 20". Knockouts shall have a wall thickness of 2" minimum to 2.5" maximum. Provide a 1.5" minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with Standard Specification 9-04.3.

3. The maximum depth from the finished grade to the lowest pipe invert shall be 5'.

4. The frame and grate may be installed with the flange up or down. The frame may be cast into the adjustment section.

5. The Precast Base Section may have a rounded floor, and the walls may be sloped at a rate of 1:24 or steeper.

6. The opening shall be measured at the top of the precast base section.

7. All pickup holes shall be grouted full after the basin has been placed.

PIPE ALLOWANCES

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* CORRUGATED POLYETHYLENE STORM SEWER PIPE
**CATCH BASIN DIMENSIONS**

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<th>BASE THICKNESS</th>
<th>MAXIMUM KNOCKOUT SIZE</th>
<th>MINIMUM DISTANCE BETWEEN KNOCKOUTS</th>
<th>BASE REINFORCING STEEL (in²/ft² in EACH DIRECTION)</th>
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**PIECE ALLOWANCES**

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<td>84&quot;</td>
<td>54† 60† 54† 38† 48†</td>
</tr>
<tr>
<td>96&quot;</td>
<td>60† 72† 60† 38† 48†</td>
</tr>
</tbody>
</table>

(†) Corrugated Polyethylene Storm Sewer Pipe (Std. Spec. 9-05.20)
(1) (Std. Spec. 9-05.12.11)
(2) (Std. Spec. 9-05.12.22)

**NOTES**

1. No steps are required when height is 4' or less.
2. The bottom of the precast catch basin may be sloped to facilitate cleaning.
3. The rectangular frame and grate may be installed with the flange up or down. The frame may be cast into the adjustment section.
4. Knockouts shall have a wall thickness of 2" minimum to 2.5" maximum. Provide a 1.5" minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with Standard Specification 9-04.3.
NOTES

1. When bolt-down grates are specified in the Contract, provide two slots in the grate that are vertically aligned with the holes in the frame. Location of bolt-down slots varies among different manufacturers.

2. Refer to Standard Specification 9-05.15(2) for additional requirements.

3. For frame details, see Standard Plan B-30.10.
NOTES

1. When bolt-down grates are specified in the Contract, provide two slots in the grate that are vertically aligned with the holes in the frame. Location of bolt-down slots varies among different manufacturers.

2. Refer to Standard Specification 9-05.15(2) for additional requirements.

3. For frame details, see Standard Plan B-30.10.

4. The thickness of the grate shall not exceed 1 5/8".

RECTANGULAR HERRINGBONE GRATE

STANDARD PLAN B-30.50-00

APPROVED FOR PUBLICATION

Harold J. Peterfeso 06-01-06

Washington State Department of Transportation
NOTES

1. The gasket and groove may be in the seat (frame) or in the underside of the cover. The gasket may be "F" shaped in section. The groove may be cast or machined.

2. For bolt-down manhole ring and covers that are not designated 'Watertight', the neoprene gasket, groove and washer are not required.

3. Washer shall be neoprene (Detail "B").

4. In lieu of blind pick notch for storm sewer manhole covers, drill three 1" diameter holes at 120° spacing.

5. Proprietary manhole covers without bottom ribs are acceptable.

6. For clarity, the vertical scale of the Cover Section has been exaggerated; it is 1.5 times the horizontal scale (1" = 1.5V).

CIRCULAR FRAME (RING) AND COVER

STANDARD PLAN B-30.70-01

Sheet 1 of 1 sheet

APPROVED FOR PUBLICATION
Pasco Bakich III  08-31-07
State Design Engineer
Washington State Department of Transportation
NOTES
1. See Standard Specifications Section 7-08.3(3) for Pipe Zone Backfill.
2. See Standard Specifications Section 9-03.12(3) for Gravel Backfill for Pipe Zone Bedding.
4. For sanitary sewer installation, concrete pipe shall be bedded to spring line.

CLEARANCE BETWEEN PIPES FOR MULTIPLE INSTALLATIONS

<table>
<thead>
<tr>
<th>PIPE</th>
<th>SIZE</th>
<th>MINIMUM DISTANCE BETWEEN BARRELS</th>
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<tbody>
<tr>
<td>CIRCULAR</td>
<td>12&quot; to 24&quot;</td>
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<tr>
<td>PIPE</td>
<td>30&quot; to 96&quot;</td>
<td>DYM. /2</td>
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<tr>
<td>PIPE ARCH</td>
<td>102&quot; to 180&quot;</td>
<td>45&quot;</td>
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<tr>
<td>PIPE ARCH</td>
<td>18&quot; to 36&quot;</td>
<td>12&quot;</td>
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<tr>
<td>METAL ONLY</td>
<td>43&quot; to 142&quot;</td>
<td>SPAN /3</td>
</tr>
<tr>
<td>METAL ONLY</td>
<td>148&quot; to 200&quot;</td>
<td>45&quot;</td>
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</table>
END SECTION LENGTH SHALL BE AT LEAST SIX TIMES THE DIAMETER OF THE PIPE (SEE STD. SPEC. 7-02.3(1))

THERMOPLASTIC PIPE

4H:1V OR STEEPER

4" MAX.

CONCRETE PIPE

4H:1V OR STEEPER

4" MAX.

END SECTION LENGTH SHALL BE AT LEAST SIX TIMES THE DIAMETER OF THE PIPE (SEE STD. SPEC. 7-02.3(1))

METAL PIPE

4H:1V OR STEEPER

4" MAX.

NOTES

1. The culvert ends shall be beveled to match the embankment or ditch slope and shall not be beveled flatter than 4H:1V. When slopes are between 4H:1V and 8H:1V, shape the slope in the vicinity of the culvert end to ensure that no part of the culvert protrudes more than 4" above the ground line.

2. Field cutting of culvert ends is permitted when approved by the Engineer. All field-cut culvert pipe shall be treated with treatment as shown in the Standard Specifications or General Special Provisions.

FOR CULVERTS 39" DIAMETER OR LESS

BEVELED END SECTIONS

STANDARD PLAN B-70.20-00

APPROVED FOR PUBLICATION

Harold J. Petersen 06-01-06
Washington State Department of Transportation
WOOD POST ASSEMBLY DETAIL

(SEE STEEL POST ASSEMBLY DETAIL FOR SPECIFICATIONS NOT SHOWN)

STEEL POST ASSEMBLY DETAIL

(SEE DETAIL SHEET 2, SEE NOTE 1)

MAILBOX - SIZE 1, 2A OR 2.2 SIZE 1A SHOWN
(SEE TABLE SHEET 2 FOR DIMENSIONS)

3/8" X 3/8" HEX HEAD BOLT 2 WASHERS AND LOCKNUT, LENGTH TO FIT (TYP.)

3/8" X 4 1/2" HEX HEAD BOLT 2 WASHERS & LOCKNUT, LENGTH TO FIT (TYP.)

3/8" X 2 1/2" HEX BOLT 2 WASHERS & LOCKNUT (TYP.)

7/16" HOLE (TYP.)

4 X 4 WOOD POST (SEE STD. SPEC. 6-28.14/1)

1 7/8" MUFFLER CLAMP (1 7/8" M-CLAMP) 2 LOCKNUTS & 2 WASHERS (TYP.)

ANTI-TWIST PLATE (SEE DETAIL SHEET 2, SEE NOTE 1)

STEEL POST (SEE DETAIL SHEET 2, SEE NOTE 1)

STEEL POST SUPPORT TYPE 1

STANDARD PLAN H-70.10-00

APPROVED FOR PUBLICATION
09-05-07

Washington State Department of Transportation

MAILBOX SUPPORT TYPE 1

STANDARD PLAN H-70.10-00

APPROVED FOR PUBLICATION
09-05-07

Washington State Department of Transportation
NOTES

1. The anchoring system shall meet NCHRP 250 crash test criteria. Use a socket and wedge system, or the anchoring system supplied by or recommended by the Type 2 Support manufacturer.

2. A maximum of 5 mailboxes may be installed on a Type 2 Support.

3. The platform design shown in this plan is detailed in the PLATFORM DETAIL, Standard Plan H-70.10. Sheet 2. The design features slots that accommodate several types of mailbox supports; only those slots necessary for assenting the type being installed are required. An adjustable platform may be used in lieu of this platform design. Adjustable platforms must fit the 1 7/8" M-Clamp.

4. Center the mailbox on the platform to ensure space for the mailbox door to open and to allow space for installing the fasteners (See ALIGNMENT DETAIL). Spacing of mailbox mounting holes varies among manufacturers. Attachment of the mailbox to the platform may require drilling additional holes through the mailbox to fit the platform.

5. Attach a newspaper box to a Type 2 Support with two 1 7/8" Muffer Clamps spaced 4" apart. Field drill 7/16" holes in the newspaper box to fit. Newspaper boxes must not extend beyond the front of the mailbox when the mailbox door is closed.
NOTES
1. Maximize detention of stormwater by placing fence as far away from toe of slope as possible without encroaching on sensitive areas or outside of the clearing boundaries.
2. Install silt fencing along contour.
3. Install the ends of the silt fence to point slightly up-slope to prevent sediment from flowing around the ends of the fence.
4. Perform maintenance in accordance with Standard Specifications 8.01.3(8) and 8.01.3(18).

SILT FENCE
STANDARD PLAN I-30.15-00

 Spencer Bakotich III 08-11-09
STATE DESIGN ENGINEER
NOTE
Perform maintenance in accordance with Standard Specification 8-01.3(9A) and 8-01.3(15).

EROSION CONTROL AT CULVERT ENDS
STANDARD PLAN 1-30.20-00

APPROVED FOR PUBLICATION
Pasco Bakotich III 09-20-07
VICINITY MAP
SUMMITVIEW QUARRY
IMPROVEMENT PLANS
### SUMMARY OF QUANTITIES

<table>
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<th>Item No.</th>
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<td>3</td>
<td>REMOVAL OF STRUCTURE AND OBSTRUCTION</td>
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### SUMMARY OF QUANTITIES (CONT.)

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### MAILBOX SUPPORT SCHEDULE

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### MONUMENT CASE & COVER

**P.I. STATION**
- T36N, R12W, S20
- UTM: N490992, E6924
- USGS: N490992, E6924
- NAVD: N490992, E6924

**P.I. STATION**
- T36N, R12W, S20
- UTM: N490992, E6924
- USGS: N490992, E6924
- NAVD: N490992, E6924
# Structure Notes

**Note:**

The first number of "code designations" refers to the sheet number of the contract plans. The second number refers to the construction feature on the particular sheet.

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<th>Each</th>
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<th>S.F.</th>
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<td></td>
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<tr>
<td>7-17</td>
<td>STA. 25+50.00, 13.00' RT.</td>
<td>1</td>
<td>204</td>
<td>36</td>
<td>CONSTRUCT CB TYPE 1, CONNECT TO CB TYPE 1 STA. 25+45.00, 13.00' RT., RECTANGULAR VANED GRATE</td>
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</tr>
<tr>
<td>7-18</td>
<td>STA. 30+55.50, 13.00' RT.</td>
<td>1</td>
<td>25</td>
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<td>CONSTRUCT CB TYPE 1, CONNECT TO CB TYPE 1 STA. 30+55.50, 13.00' RT., RECTANGULAR VANED GRATE</td>
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<tr>
<td>7-19</td>
<td>STA. 30+55.50, 13.00' RT.</td>
<td>1</td>
<td>148</td>
<td>20</td>
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<tr>
<td>7-20</td>
<td>STA. 32+00.00, 13.00' LT.</td>
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<td>25</td>
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<td>7-21</td>
<td>STA. 32+00.00, 13.00' LT.</td>
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<td>CONSTRUCT CB TYPE 1, CONNECT TO CB TYPE 1 STA. 32+38, 13.00' RT., RECTANGULAR VANED GRATE</td>
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<tr>
<td>7-22</td>
<td>STA. 33+98.00, 13.00' RT.</td>
<td>1</td>
<td>25</td>
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<td>28</td>
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</tr>
<tr>
<td>7-23</td>
<td>STA. 33+98.00, 13.00' RT.</td>
<td>1</td>
<td>8</td>
<td>2</td>
<td>CONSTRUCT CB TYPE 1, CONNECT TO CB TYPE 2 STA. 33+98, 24.00' RT., RECTANGULAR HERRINGBONE GRATE</td>
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</tr>
<tr>
<td>7-24</td>
<td>STA. 33+75.00, 24.00' RT.</td>
<td>80</td>
<td>1</td>
<td>560</td>
<td>162</td>
<td>CONSTRUCT CB TYPE 2, OUTFALL TO 36&quot; UNDERDRAIN, SOLID MANHOLE COVER</td>
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<td>7-25</td>
<td>STA. 34+50.00, 13.00' RT.</td>
<td>1</td>
<td>49</td>
<td>92</td>
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<td>CONSTRUCT CB TYPE 1, CONNECT TO CB TYPE 1 STA. 32+48, 13.00' RT., RECTANGULAR HERRINGBONE GRATE</td>
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</tr>
<tr>
<td>7-26</td>
<td>STA. 32+22.00, LT.</td>
<td>32</td>
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<td>DRIVEWAY CULVERT PIPE</td>
</tr>
<tr>
<td>7-27</td>
<td>STA. 32+22.00, LT.</td>
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<td></td>
<td></td>
<td>DRIVEWAY CULVERT PIPE</td>
</tr>
<tr>
<td>7-28</td>
<td>STA. 31+20.00, LT.</td>
<td>32</td>
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<td>DRIVEWAY CULVERT PIPE</td>
</tr>
<tr>
<td>7-29</td>
<td>STA. 30+34.00, LT.</td>
<td>32</td>
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<td>DRIVEWAY CULVERT PIPE</td>
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Totals for this sheet: 160 96 60 3 1501 73 2347 524 603
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<th>Ch.</th>
<th>C.Y.</th>
<th>TON</th>
<th>TON</th>
<th>S.F.</th>
<th>Comments</th>
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<tr>
<td>STA. 11+75 RT. (Main)</td>
<td>28</td>
<td>1</td>
<td>45.3</td>
<td>13.4</td>
<td></td>
<td>Construct 20' HMA driveway per design on sheet 13.</td>
</tr>
<tr>
<td>STA. 11+75 RT. (East)</td>
<td>2</td>
<td>1</td>
<td>12.4</td>
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<td>Construct 25' Gravel driveway, match horiz. and vert. @ 30' from driveway 11+75 main CL.</td>
</tr>
<tr>
<td>STA. 13+19 RT.</td>
<td>11</td>
<td>5</td>
<td>19.2</td>
<td>4</td>
<td></td>
<td>Construct 25' HMA and Gravel driveway per design on sheet 14. HMA to 25' RT, remainder to be gravel.</td>
</tr>
<tr>
<td>STA. 13+48 RT.</td>
<td>10</td>
<td>6</td>
<td>33.5</td>
<td>12.2</td>
<td></td>
<td>Construct 20' HMA driveway per design on sheet 13.</td>
</tr>
<tr>
<td>STA. 14+33 LT.</td>
<td>7</td>
<td>7</td>
<td>4</td>
<td></td>
<td></td>
<td>Construct 20' HMA driveway, match horiz. and vert. @ 20' from CL.</td>
</tr>
<tr>
<td>STA. 17+28 LT.</td>
<td>3</td>
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<td>14</td>
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<td>Construct 25' Conc. driveway, match horiz. and vert. @ 20' from CL.</td>
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<tr>
<td>STA. 17+75 RT.</td>
<td>5</td>
<td>14</td>
<td>17</td>
<td>4</td>
<td></td>
<td>Construct 20' HMA and Gravel driveway per design on sheet 15. HMA to 25' RT, remainder to be gravel.</td>
</tr>
<tr>
<td>STA. 17+76 RT.</td>
<td>8</td>
<td>9.3</td>
<td>5</td>
<td></td>
<td></td>
<td>Construct 30' HMA driveway, match horiz. and vert. @ 25' from CL.</td>
</tr>
<tr>
<td>STA. 19+55 RT.</td>
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<td>3</td>
<td>7</td>
<td>3</td>
<td></td>
<td>Construct 20' HMA and Gravel driveway, match horiz. and vert. @ 35' from CL. HMA to 25' RT, remainder to be gravel.</td>
</tr>
<tr>
<td>STA. 21+13 LT.</td>
<td>3</td>
<td>1</td>
<td>6</td>
<td>3</td>
<td></td>
<td>Construct 20' HMA field entrance, match horiz. and vert. @ 25' from CL.</td>
</tr>
<tr>
<td>STA. 21+77 RT.</td>
<td>4</td>
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<td>26</td>
<td>4.8</td>
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<td>Construct 30' HMA and Gravel driveway per design on sheet 15. HMA 25' RT, remainder to be gravel.</td>
</tr>
<tr>
<td>STA. 24+05 LT.</td>
<td>110</td>
<td>35.3</td>
<td>4.8</td>
<td></td>
<td></td>
<td>Construct 30' HMA and Gravel driveway per design on sheet 15. HMA 25' LT, remainder to be gravel.</td>
</tr>
<tr>
<td>STA. 25+48 LT.</td>
<td>5</td>
<td>2</td>
<td>16</td>
<td>8.2</td>
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<td>Construct 20' HMA driveway per design on sheet 15.</td>
</tr>
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<td>STA. 25+60 LT.</td>
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<td>4</td>
<td>12.7</td>
<td>4.9</td>
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<td>Construct 30' HMA and Gravel driveway, match horiz. and vert. @ 30' from CL. HMA to 25' LT, remainder to be gravel.</td>
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<tr>
<td>STA. 30+74 RT.</td>
<td>3.5</td>
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<td>3.3</td>
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<td>Construct 20' HMA driveway, match horiz. and vert. @ 25' from CL.</td>
</tr>
<tr>
<td>STA. 30+78 LT.</td>
<td>4</td>
<td>6</td>
<td>3.3</td>
<td></td>
<td></td>
<td>Construct 20' HMA field entrance, match horiz. and vert. @ 25' from CL.</td>
</tr>
<tr>
<td>STA. 31+03 RT.</td>
<td>2</td>
<td>4</td>
<td>23.5</td>
<td>7</td>
<td></td>
<td>Construct 20' HMA driveway, match horiz. and vert. @ 40' from CL.</td>
</tr>
<tr>
<td>STA. 32+22 LT.</td>
<td>4</td>
<td>5</td>
<td>9.8</td>
<td>3.3</td>
<td></td>
<td>Construct 20' HMA and Gravelway, match horiz. and vert. @ 35' from CL. HMA to 25' LT, remainder to be gravel.</td>
</tr>
<tr>
<td>STA. 33+20 LT.</td>
<td>2</td>
<td>2</td>
<td>6.4</td>
<td>3.3</td>
<td></td>
<td>Construct 20' HMA driveway, match horiz. and vert. @ 25' from CL.</td>
</tr>
<tr>
<td>STA. 34+45 RT.</td>
<td>4</td>
<td>22</td>
<td>23</td>
<td>11.8</td>
<td></td>
<td>Construct 20' HMA driveway per design on sheet 15.</td>
</tr>
<tr>
<td>STA. 36+34 LT.</td>
<td>24</td>
<td>11</td>
<td>3</td>
<td></td>
<td></td>
<td>Construct 20' HMA and Gravel driveway per design on sheet 16, HMA to 25' LT, remainder gravel.</td>
</tr>
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</table>

Totals for this sheet: 251  30  313  116  14
### GENERAL TRAFFIC CONTROL SIGN SPECIFICATIONS

<table>
<thead>
<tr>
<th>SIGN NO.</th>
<th>MUTCD SIGN #</th>
<th>LOCATION</th>
<th>SIGN SIZE</th>
<th>SHEETING TYPE</th>
<th>POST MATERIAL</th>
<th>POST SIZE</th>
<th>POST # LENGTH</th>
<th>CLEARANCE</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>W20-1</td>
<td>Tieton Dr., 600' West of Hennessy Road</td>
<td>46&quot; x 46&quot;</td>
<td>X</td>
<td>Wood</td>
<td>4 x 4&quot;</td>
<td>20' V</td>
<td>6' W</td>
<td>*Note: Post lengths shown are approximate. Final values shall be determined in the field by the contractor.</td>
</tr>
<tr>
<td>2</td>
<td>W20-1</td>
<td>Tieton Dr., 600' West of Hennessy Road</td>
<td>36&quot; x 36&quot;</td>
<td>X</td>
<td>Wood</td>
<td>4 x 4&quot;</td>
<td>15' V</td>
<td>6' W</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>W20-1</td>
<td>Hennessy Rd., 100' South of Tieton Dr.</td>
<td>46&quot; x 46&quot;</td>
<td>X</td>
<td>Wood</td>
<td>4 x 4&quot;</td>
<td>15' V</td>
<td>6' W</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>W20-1</td>
<td>Tieton Dr., 600' East of Hennessy Road</td>
<td>46&quot; x 46&quot;</td>
<td>X</td>
<td>Wood</td>
<td>4 x 4&quot;</td>
<td>20' V</td>
<td>6' W</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>W20-1</td>
<td>Tieton Dr., 600' East of Hennessy Road</td>
<td>36&quot; x 36&quot;</td>
<td>X</td>
<td>Wood</td>
<td>4 x 4&quot;</td>
<td>15' V</td>
<td>6' W</td>
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<tr>
<td>6</td>
<td>W20-1</td>
<td>Hennessy Rd., 300' South of Tieton Dr.</td>
<td>46&quot; x 46&quot;</td>
<td>X</td>
<td>Wood</td>
<td>4 x 4&quot;</td>
<td>15' V</td>
<td>6' W</td>
<td></td>
</tr>
</tbody>
</table>

**NOTES:**
1. MUTCD Manual on Uniform Traffic Control Devices.
2. For structure and mounting details, see Standard Plans for Road and Bridge Construction, Series 6.
3. For core references and standard sign layout details, see Standard Highway Signs Manual.
4. All signs, posts, and any other traffic control devices shall be supplied, erected, and maintained by the contractor.
5. The posts shall not protrude above the signs.
SIGN REMOVAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>SIGN NO.</th>
<th>MUTCD SIGN NO.</th>
<th>LOCATION</th>
<th>SIGN SIZE X</th>
<th>POST MATERIAL</th>
<th>POST SIZE</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>R1-1</td>
<td>D3-1800D3</td>
<td>HENNESSY ROAD, 207 SOUTH OF TIETON DRIVE</td>
<td>30&quot; 30&quot;</td>
<td>WOOD</td>
<td>4X6&quot;</td>
<td>MOUNTED ABOVE SIGN NO. 1 &quot;HENNESSY RD&quot;</td>
</tr>
<tr>
<td>D3-1800D3</td>
<td>SAME AS ABOVE</td>
<td>SAME AS ABOVE</td>
<td>30&quot; 6&quot;</td>
<td>---</td>
<td>---</td>
<td>MOUNTED ABOVE SIGN NO. 2 &quot;TIETON DR&quot;</td>
</tr>
<tr>
<td>D3-1800D3</td>
<td>SAME AS ABOVE</td>
<td>SAME AS ABOVE</td>
<td>24&quot; 6&quot;</td>
<td>---</td>
<td>---</td>
<td>MOUNTED ABOVE SIGN NO. 3 &quot;TIETON DR&quot;</td>
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<tr>
<td>W1-7</td>
<td>TIETON DRIVE 8 HENNESSY ROAD</td>
<td>48&quot; 24&quot;</td>
<td>WOOD</td>
<td>4X6&quot;</td>
<td></td>
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</tr>
<tr>
<td>W1-1</td>
<td>HENNESSY ROAD, 207 SOUTH OF TIETON DRIVE</td>
<td>30&quot; 30&quot;</td>
<td>WOOD</td>
<td>4X6&quot;</td>
<td></td>
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</tr>
<tr>
<td>R2-1</td>
<td>HENNESSY ROAD, 207 SOUTH OF TIETON DRIVE</td>
<td>24&quot; 30&quot;</td>
<td>WOOD</td>
<td>4X6&quot;</td>
<td>&quot;SPEED LIMIT 35&quot;</td>
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</tr>
<tr>
<td>W3-1</td>
<td>HENNESSY ROAD, 5407 SOUTH OF TIETON DRIVE</td>
<td>30&quot; 30&quot;</td>
<td>WOOD</td>
<td>4X6&quot;</td>
<td>&quot;SPEED LIMIT 35&quot;</td>
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<tr>
<td>SPECIAL</td>
<td>HENNESSY ROAD, 2110 SOUTH OF TIETON DRIVE</td>
<td>50&quot; 30&quot;</td>
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<td>&quot;ROAD ENDS AHEAD&quot;</td>
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<tr>
<td>GM-3</td>
<td>HENNESSY ROAD, 2600 SOUTH OF TIETON DRIVE</td>
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<td>WOOD</td>
<td>4X6&quot;</td>
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NOTES:
1. MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES).
2. FOR CODE REFERENCES AND STANDARD SIGN LAYOUT DETAILS, SEE STANDARD HIGHWAY SIGN BOOK.
3. THE SIGNS AND POSTS SHALL BE DISASSEMBLED AND DELIVERED TO THE YAKIMA COUNTY PUBLIC WORKS DEPARTMENT MAINTENANCE SHOP AT 1216 S. 18TH ST., YAKIMA, WA, 98901. CONTACT CRAIG BLANKENSHIP AT (509) 574-2396.

PREPARED UNDER THE DIRECTION OF:
COUNTY ENGINEER DATE: 9/8/11

PROJECT ENGINEER: K. FAY

SIGN REMOVAL PLAN

SHEET 19 OF 21
## Permanent Signing Specifications

<table>
<thead>
<tr>
<th>SIGN NO.</th>
<th>LOCATION</th>
<th>SIGN SIZE (IN)</th>
<th>SHEETING TYPE</th>
<th>POSTING POST MATERIAL</th>
<th>POST SIZE LENGTH (IN)</th>
<th>CLEARANCE (FT)</th>
<th>REMARKS</th>
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<td>METAL</td>
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<td>12 / 6 / 10</td>
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</tr>
<tr>
<td>2</td>
<td>D3-1</td>
<td>SAME AS ABOVE</td>
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<td>METAL</td>
<td>2 x 2&quot;</td>
<td>12 / 6 / 10</td>
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</tr>
<tr>
<td>3</td>
<td>D3-1</td>
<td>SAME AS ABOVE</td>
<td>96&quot; x 96&quot;</td>
<td>METAL</td>
<td>2 x 2&quot;</td>
<td>12 / 6 / 10</td>
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</tr>
<tr>
<td>4</td>
<td>D3-1</td>
<td>SAME AS ABOVE</td>
<td>96&quot; x 96&quot;</td>
<td>METAL</td>
<td>2 x 2&quot;</td>
<td>12 / 6 / 10</td>
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</tr>
<tr>
<td>5</td>
<td>W1-7</td>
<td>HENNESSY ROAD</td>
<td>96&quot; x 96&quot;</td>
<td>METAL</td>
<td>2 x 2&quot;</td>
<td>12 / 6 / 10</td>
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<td>6</td>
<td>W1-7</td>
<td>HENNESSY ROAD</td>
<td>96&quot; x 96&quot;</td>
<td>METAL</td>
<td>2 x 2&quot;</td>
<td>12 / 6 / 10</td>
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<tr>
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<td>W1-7</td>
<td>HENNESSY ROAD</td>
<td>96&quot; x 96&quot;</td>
<td>METAL</td>
<td>2 x 2&quot;</td>
<td>12 / 6 / 10</td>
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<tr>
<td>8</td>
<td>W1-7</td>
<td>HENNESSY ROAD</td>
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<tr>
<td>9</td>
<td>W1-7</td>
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<td>96&quot; x 96&quot;</td>
<td>METAL</td>
<td>2 x 2&quot;</td>
<td>12 / 6 / 10</td>
<td></td>
</tr>
</tbody>
</table>

### Notes:
1. Notes shall be used on the Printed Design Plans.
2. For structure and layout details, see Standard Highway Signs Manual.
3. All signs, posts, and any other traffic control devices shall be supplied, erected, and maintained by the Contractor.
4. The signs shall not protrude above the road.

---

### Permanent Signing Plan

**Stop Sign Installation**

- **Construction Note:** Use 3/4" square steel tube and 3/8" plate washer.
- **Direction:** Install immediately above the stop sign.

### Typical Sign Installation

**NOTES:**
- See Standard Plan 6-24.50.00