CONTRACT DOCUMENTS

For the Construction Of:

TERRACE HEIGHTS
LANDFILL IMPROVEMENTS
-YARD EXPANSION AND
EQUIPMENT GARAGE

YAKIMA COUNTY
PUBLIC SERVICES PROJECT
SP 3553
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: 10/13/14
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>INFORMATIONAL BID DOCUMENTS</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSTRUCTIONS TO BIDDERS</td>
<td>1</td>
</tr>
<tr>
<td>PROPOSAL</td>
<td>2</td>
</tr>
<tr>
<td>LETTER OF RESPONSIBILITY</td>
<td>5</td>
</tr>
<tr>
<td>DEFINITION OF TERMS</td>
<td>6</td>
</tr>
<tr>
<td>NON-COLLUSION DECLARATION</td>
<td>7</td>
</tr>
<tr>
<td>NOTICE TO ALL BIDDERS</td>
<td>7</td>
</tr>
<tr>
<td>CERTIFICATION REGARDING DEBARMENT, ETC.</td>
<td>8</td>
</tr>
<tr>
<td>CONTRACT</td>
<td>9</td>
</tr>
<tr>
<td>PERFORMANCE BOND</td>
<td>10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AMENDMENTS TO THE STANDARD SPECIFICATIONS</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SECTION 1-01, DEFINITIONS AND TERMS</td>
<td>1</td>
</tr>
<tr>
<td>SECTION 1-02, BID PROCEDURES AND CONDITIONS</td>
<td>1</td>
</tr>
<tr>
<td>SECTION 1-03, AWARD AND EXECUTION OF CONTRACT</td>
<td>2</td>
</tr>
<tr>
<td>SECTION 1-04, SCOPE OF THE WORK</td>
<td>2</td>
</tr>
<tr>
<td>SECTION 1-05, CONTROL OF WORK</td>
<td>6</td>
</tr>
<tr>
<td>SECTION 1-07, LEGAL RELATIONS AND RESP. TO THE PUBLIC</td>
<td>8</td>
</tr>
<tr>
<td>SECTION 1-08, PROSECUTION AND PROGRESS</td>
<td>9</td>
</tr>
<tr>
<td>SECTION 2-01, CLEARING, GRUBBING, AND ROADSIDE CLEANUP</td>
<td>9</td>
</tr>
<tr>
<td>SECTION 2-03, ROADWAY EXCAVATION AND EMBANKMENT</td>
<td>10</td>
</tr>
<tr>
<td>SECTION 3-04, ACCEPTANCE OF AGGREGATE</td>
<td>10</td>
</tr>
<tr>
<td>SECTION 5-04, HOT MIX ASPHALT</td>
<td>10</td>
</tr>
<tr>
<td>SECTION 5-05, CEMENT CONCRETE PAVEMENT</td>
<td>12</td>
</tr>
<tr>
<td>SECTION 6-02, CONCRETE STRUCTURES</td>
<td>13</td>
</tr>
<tr>
<td>SECTION 8-20, ILLUMINATION, TRAFFIC SIGNAL SYSTEMS, INTELLIGENT TRANSPORTATION SYSTEMS AND ELECTRICAL</td>
<td>24</td>
</tr>
<tr>
<td>SECTION 9-03, AGGREGATES</td>
<td>25</td>
</tr>
<tr>
<td>SECTION 9-07, REINFORCING STEEL</td>
<td>26</td>
</tr>
<tr>
<td>SECTION 9-29, ILLUMINATION, SIGNAL, ELECTRICAL</td>
<td>27</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SPECIAL PROVISIONS</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTRODUCTION TO THE SPECIAL PROVISIONS</td>
<td>1</td>
</tr>
</tbody>
</table>
DIVISION 1- GENERAL REQUIREMENTS
DESCRIPTION OF WORK................................................................. 1
SECTION 1-01, DEFINITIONS AND TERMS........................................ 1
SECTION 1-02, BID PROCEDURES AND CONDITIONS............................ 3
SECTION 1-03, AWARD AND EXECUTION OF CONTRACT......................... 6
SECTION 1-04, SCOPE OF THE WORK................................................ 8
SECTION 1-05, CONTROL OF WORK.................................................. 8
SECTION 1-07, LEGAL RELATIONS AND RESP. TO THE PUBLIC............. 11
SECTION 1-08, PROSECUTION AND PROGRESS.................................. 15
SECTION 1-09, MEASUREMENT AND PAYMENT.................................. 17

DIVISION 2-EARTHWORK
SECTION 2-02, REMOVAL OF STRUCTURES AND OBSTRUCTIONS............ 20

DIVISION 5-SURFACE TREATMENTS AND PAVEMENTS
SECTION 5-04, HOT MIX ASPHALT................................................. 21

DIVISION 6-STRUCTURES
SECTION 6-20, PREFABRICATED STEEL BUILDING............................... 24

DIVISION 7-MISCELLANEOUS CONSTRUCTION
SECTION 7-09, WATER MAINS....................................................... 34
SECTION 7-14, HYDRANTS............................................................ 34

DIVISION 8-MISCELLANEOUS CONSTRUCTION
SECTION 8-12, CHAIN LINKK FENCE AND WIRE FENCE......................... 35
SECTION 8-20, ILLUMINATION, TRAFFIC SIGNAL SYSTEMS, INTELLIGENT TRANSPORTATION SYSTEMS AND ELECTRICAL...................... 35
SECTION 8-26, BOLLARDS............................................................ 36

DIVISION 9-MATERIALS
SECTION 9-29, ILLUMINATION, SIGNAL, ELECTRICAL......................... 38

APPENDICES................................................................................. 39
STANDARD PLANS......................................................................... 39
APPENDICES

- APPENDIX A - PREVAILING WAGE RATES
  Washington State Prevailing Wage Rates - Yakima County
  Benefit Code Key
  Supplement to Wage Rates

- APPENDIX B – STANDARD PLANS
INFORMATIONAL BID DOCUMENTS
INSTRUCTIONS TO BIDDERS

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

Office of the County Engineer of Yakima County
4th Floor, Yakima County Courthouse
128 North 2nd Street
Yakima, Washington 98901

until 2:00 p.m. of the bid opening date.

Each proposal, or bid shall be completely sealed in a separate package, addressed to the County 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 October 29, 2014.

The bids shall be publicly opened and read after 2:00 p.m. on that date at the following location:

Yakima County Courthouse
Fourth Floor Conference Room
128 North 2nd Street
Yakima, Washington 98901

A pre-bid conference will not be held, however, bidders are encouraged to inspect the site and work area prior to submitting a bid. All bidders shall contact Wendy Mifflin, Solid Waste Manager, at (509) 574-2455 at least 24 hours prior to their site visit. All visitors to the site must check in with the site attendant at the scale house upon arrival.

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

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

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

Yakima County 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

TERRACE HEIGHTS LANDFILL IMPROVEMENTS
-YARD EXPANSION AND EQUIPMENT GARAGE

COUNTY PROJECT NO. SP 3553

INFORMATIONAL BID DOCUMENTS

1
This certifies that the undersigned has examined the location of the noted project:

**SP 3553 – TERRACE HEIGHTS LANDFILL-YARD EXPANSION AND EQUIPMENT GARAGE**

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. Special Provision 1-07.2(2) Rule 170 applies to 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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</thead>
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<tr>
<td><strong>PREPARATION</strong></td>
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<tr>
<td>1</td>
<td>MOBILIZATION</td>
<td>1</td>
<td>L.S.</td>
<td>$</td>
<td>$</td>
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<td>2</td>
<td>REMOVAL OF STRUCTURE AND OBSTRUCTION</td>
<td>1</td>
<td>L.S.</td>
<td>$</td>
<td>$</td>
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<td><strong>GRADING</strong></td>
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<td>3</td>
<td>ROADWAY EXCAVATION INCL. HAUL</td>
<td>420</td>
<td>C.Y.</td>
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<td>4</td>
<td>EMBANKMENT COMPACTION</td>
<td>400</td>
<td>C.Y.</td>
<td>$</td>
<td>$</td>
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<td><strong>WATER LINES</strong></td>
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<td>5</td>
<td>GATE VALVE 8 IN.</td>
<td>1</td>
<td>EA.</td>
<td>$</td>
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<td>6</td>
<td>TAPPING SLEEVE AND VALVE ASSEMBLY 8 IN.</td>
<td>1</td>
<td>EA.</td>
<td>$</td>
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<td>7</td>
<td>PVC PIPE FOR WATER MAIN 2 IN. DIAM.</td>
<td>438</td>
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<td>8</td>
<td>PVC PIPE FOR WATER MAIN 8 IN. DIAM.</td>
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<td>10</td>
<td>CRUSHED SURFACING BASE COURSE</td>
<td>3,900</td>
<td>TON</td>
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<td><strong>HOT MIX ASPHALT</strong></td>
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<td>11</td>
<td>HMA CLASS 1/2&quot; PG 64-28</td>
<td>2,300</td>
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<td>JOB MIX COMPLIANCE PRICE ADJUSTMENT</td>
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<td>COMPACTION PRICE ADJUSTMENT</td>
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<td>CALC</td>
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CONTINUED NEXT PAGE -
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<thead>
<tr>
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<th>Approx. Quantity</th>
<th>Unit</th>
<th>Unit Price</th>
<th>Total Item Amount</th>
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<tr>
<td>14</td>
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<td>$</td>
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<td>15</td>
<td>Building Floor Slab</td>
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<td>S.Y.</td>
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<tr>
<td>16</td>
<td>Building Power and Lighting</td>
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<td>17</td>
<td>Bollard</td>
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<td>$</td>
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<td>18</td>
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<td>Chain Link Fence</td>
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<td>$</td>
<td>$</td>
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<tr>
<td>20</td>
<td>End, Gate, Corner, Pull Post for Chain Link Fence</td>
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<td>EA.</td>
<td>$</td>
<td>$</td>
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<td>21</td>
<td>SPCC Plan</td>
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<td>22</td>
<td>Minor Change</td>
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<td>G.A.L.O.</td>
<td>15,000.00</td>
<td>$15,000.00</td>
</tr>
</tbody>
</table>

**Subtotal**: $15,000.00

**+Washington State Sales Tax @ 7.9%**: $1

**Total Amount**: $15,001.00

- CONTINUED NEXT PAGE -
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".
(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 SP 3553.

TERRACE HEIGHTS LANDFILL IMPROVEMENTS
-YARD EXPANSION AND EQUIPMENT GARAGE

COUNTY PROJECT NO. SP 3553

INFORMATIONAL BID DOCUMENTS

4
LETTER OF RESPONSIBILITY

Date: 
County Road Project No.: SP 3553

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:

SP 3553 – Terrace Heights Landfill Improvements; Yard Expansion and Equipment Garage

I have the following equipment available for this work:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

________________________________________________________________________
________________________________________________________________________

________________________________________________________________________

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

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:

**STATE:** The State of Washington.

**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.
Failure to return this Declaration as part of the bid proposal package will make the bid nonresponsive and ineligible for award.

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 to have agreed to the provisions of this declaration.

NOTICE TO ALL BIDDERS

To report 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 is 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 SP 3553 Terrace Heights Landfill Improvements-Yard Expansion and Equipment Garage, and shall perform any changes in the work in accordance with the Contract Documents, which include the Contract Form, Bidder's completed Proposal Form, Scope of Work, Contract Plans, Contract Provisions, Standard Specifications, Standard Plans, Addenda, various certifications and affidavits, supplemental agreements, and any change orders.

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 conditions stated 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.

CONTRACTOR:
Signed:____________________, 2014

Signature for Contractor

Print or Type Name of Person Signing

Title

Foregoing Contract approved and ratified
____________________, 2014

Surety

Attorney in fact

BOARD OF YAKIMA COUNTY COMMISSIONERS
Signed:____________________, 2014

Kevin J. Bouchey, Chairman

J. Rand Elliott, Commissioner

Michael D. Leita, Commissioner
Constituting the Board of County Commissioners for Yakima County, Washington

ATTEST: Clerk of the Board

Tiera Girard

Approved as to form:

Deputy Prosecuting Attorney

TERRACE HEIGHTS LANDFILL IMPROVEMENTS -YARD EXPANSION AND EQUIPMENT GARAGE
COUNTY PROJECT NO. SP 3553

INFORMATIONAL BID DOCUMENTS

9
PERFORMANCE BOND
(RCW 39.06)

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 _____________, 2014, 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 SP 3553 Terrace Heights Landfill Improvements-Yard Expansion and
Equipment Garage, 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 ____________________, 2014

PRINCIPAL

By: ________________________________

Title: ________________________________

SURETY

By: ________________________________

Attorney-in-Fact

_______________________________

Chair of the Board of
Yakima County Commissioners

Date: ____________________________, 2014

Approved as to form:

_______________________________

Deputy Prosecuting Attorney

_______________________________

Name of Local Office of Agent

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Address of Local Office Agent

_______________________________

BOND NUMBER

YAKIMA COUNTY CONTRACT NUMBER

TERRACE HEIGHTS LANDFILL IMPROVEMENTS
-YARD EXPANSION AND EQUIPMENT GARAGE

COUNTY PROJECT NO. SP 3553

INFORMATIONAL BID DOCUMENTS
10
AMENDMENTS TO
THE STANDARD
SPECIFICATIONS
INTRODUCTION
The following Amendments and Special Provisions shall be used in conjunction with the 2014
Standard Specifications for Road, Bridge, and Municipal Construction.

AMENDMENTS TO THE STANDARD SPECIFICATIONS

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

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

Section 1-01, Definitions and Terms
August 4, 2014

1-01.3 Definitions
The definition for “Engineer” is revised to read:
The Contracting Agency’s representative who directly supervises the engineering and
administration of a construction Contract.

The definition for “Inspector” is revised to read:
The Engineer’s representative who inspects Contract performance in detail.

The definition for “Project Engineer” is revised to read:
Same as Engineer.

The definition for “Working Drawings” is revised to read:
Drawings, plans, diagrams, or any other supplementary data or calculations, including a
schedule of submittal dates for Working Drawings where specified, which the Contractor
must submit to the Engineer.

Section 1-02, Bid Procedures and Conditions
April 7, 2014

1-02.8(1) Noncollusion Declaration
The third paragraph is revised to read:
Therefore, by including the Non-collision Declaration as part of the signed bid Proposal,
the Bidder is deemed to have certified and agreed to the requirements of the Declaration.
Section 1-03, Award and Execution of Contract
March 3, 2014

1-03.4 Contract Bond
The last word of item 3 is deleted.

Item 4 is renumbered to 5.

The following is inserted after item 3 (after the preceding Amendments are applied):

4. Be conditioned upon the payment of taxes, increases, and penalties incurred on the project under titles 50, 51, and 82 RCW; and

Section 1-04, Scope of the Work
August 4, 2014

1-04.4 Changes
In the third paragraph, item number 1 and 2 are revised to read:

a. When the character of the Work as altered differs materially in kind or nature from that involved or included in the original proposed construction; or

b. When an item of Work, as defined elsewhere in the Contract, is increased in excess of 125 percent or decreased below 75 percent of the original Contract quantity. For the purpose of this Section, an item of Work will be defined as any item that qualifies for adjustment under the provisions of Section 1-04.6.

The last two paragraphs are deleted.

This section is supplemented with the following new subsections:

1-04.4(2) Value Engineering Change Proposal (VECP)

1-04.4(2)A General
A VECP is a Contractor proposed change to the Contract Provisions which will accomplish the projects functional requirements in a manner that is equal to or better than the requirements in the Contract. The VECP may be: (1) at a less cost or time, or (2) either no cost savings or a minor increase in cost with a reduction in Contract time. The net savings or added costs to the Contract Work are shared by the Contractor and Contracting Agency.

The Contractor may submit a VECP for changing the Plans, Specifications, or other requirements of the Contract. The Engineer's decision to accept or reject all or part of the proposal is final and not subject to arbitration under the arbitration clause or otherwise subject to litigation.

The VECP shall meet all of the following:

1. Not adversely affect the long term life cycle costs.
2. Not adversely impact the ability to perform maintenance.

3. Provide the required safety and appearance.

4. Provide substitution for deleted or reduced Disadvantaged Business
   Enterprise Condition of Award Work, Apprentice Utilization and Training.

VECPs that provide a time reduction shall meet the following requirements:

1. Time saving is a direct result of the VECP.

2. Liquidated damages penalties are not used to calculate savings.

3. Administrative/overhead cost savings experienced by either the Contractor or
   Contracting Agency as a result of time reduction accrue to each party and are
   not used to calculate savings.

1-04.4(2)B VECP Savings

1-04.4(2)B1 Proposal Savings
The incentive payment to the Contractor shall be one-half of the net savings of the
proposal calculated as follows:

1. (gross cost of deleted work) – (gross cost of added work) = (gross
   savings)

2. (gross savings) – (Contractor’s engineering costs) – (Contracting
   Agency’s costs) = (net savings)

3. (net savings) / 2 = (incentive pay)

The Contracting Agency’s costs shall be the actual consultant costs billed to the
Contracting Agency and in-house costs. Costs for personnel assigned to the
Engineer’s office shall not be included.

1-04.4(2)B2 Added Costs to Achieve Time Savings
The cost to achieve the time savings shall be calculated as follows:

1. (cost of added work) + (Contractor’s engineering costs - Contracting
   Agency’s engineering costs) = (cost to achieve time savings)

2. (cost to achieve time savings) / 2 = (Contracting Agency’s share of added
cost)

If the timesaving proposal also involves deleting work and, as a result, creates a
savings for the Contracting Agency, then the Contractor shall also receive one-
half of the savings realized through the deletion.
1-04.4(2)C  VECP Approval

1-04.4(2)C1 Concept Approval
The Contractor shall submit a written proposal to the Engineer for consideration. The proposal shall contain the following information:

1. An explanation outlining the benefit provided by the change(s).

2. A narrative description of the proposed change(s). If applicable, the discussion shall include a demonstration of functional equivalency or a description of how the proposal meets the original contract scope of work.

3. A cost discussion estimating any net savings. Savings estimates will generally follow the outline below under the section, “Proposal Savings”.

4. A statement providing the Contracting Agency with the right to use all or any part of the proposal on future projects without future obligation or compensation.

5. A statement acknowledging and agreeing that the Engineer’s decision to accept or reject all or part of the proposal is final and not subject to arbitration under the arbitration clause or otherwise be subject to claims or disputes.

6. A statement giving the dates the Engineer must make a decision to accept or reject the conceptual proposal, the date that approval to proceed must be received, and the date the work must begin in order to not delay the contract. If the Contracting Agency does not approve the VECP by the date specified by the Contractor in their proposal the VECP will be deemed rejected.

7. The submittal will include an analysis on other Work that may have costs that changed as a result of the VECP. Traffic control and erosion control shall both be included in addition to any other impacted Work.

After review of the proposal, the Engineer will respond in writing with acceptance or rejection of the concept. This acceptance shall not be construed as authority to proceed with any change contract work. Concept approval allows the Contractor to proceed with the Work needed to develop final plans and other information to receive formal approval and to support preparation of a change order.

1-04.4(2)C2 Formal Approval
The Contractor’s submittal to the Engineer for formal approval shall include the following:

1. Deleted Work – Include the calculated quantities of unit price Work to be deleted. Include the proposed partial prices for portions of lump sum Work deleted. For deletion of force account items include the time and material estimates.
2. Added Work – Include the calculated quantities of unit price Work to be added, either by original unit Contract prices or by new, negotiated unit prices. For new items of Work include the quantities and proposed prices.

3. Contractor's Engineering Costs – Submit the labor costs for the engineering to develop the proposal; costs for Contractor employees utilized in contract operations on a regular basis shall not be included.

4. Schedule Analysis – If the VECP is related to time savings, the Contractor shall submit a partial progress schedule showing the changed Work. The submittal shall also include a discussion comparing the partial progress schedule with the approved progress schedule for the project.

5. Working Drawings – Type 3 Working Drawings shall be submitted; those drawings which require engineering shall be a Type 3E.

Formal approval of the proposal will be documented by issuance of a change order. The VECP change order will contain the following statements which the Contractor agrees to by signing the change order:

1. The Contractor accepts design risk of all features, both temporary and permanent, of the changed Work.

2. The Contractor accepts risk of constructability of the changed Work.

3. The Contractor provides the Contracting Agency with the right to use all or any part of the proposal on future projects without further obligation or compensation.

VECP change orders will contain separate pay items for the items that are applicable to the Proposal. These are as follows:

1. Deleted Work.

2. Added Work.

3. The Contractor’s engineering costs, reimbursed at 100 percent of the Contractor’s cost.

4. Incentive payment to the Contractor.

When added Work costs exceed Deleted Work costs, but time savings make a viable proposal, then items 3 and 4 above are replaced with the following:

3. The Contracting Agency’s share of added cost to achieve time savings.

4. The Contractor’s share of savings from deleted Work.
1-04.4(2)C3 Authority to Proceed with Changed Work

The authority for the Contractor to proceed with the VECP Work will be provided by one of the following options:

1. Execution of the VECP change order, or

2. At the Contractor's request the Contracting Agency may provide approval by letter from the Engineer for the Work to proceed prior to execution of a change order. All of the risk for proceeding with the VECP shall be the responsibility of the Contractor. Additionally, the following criteria are required to have been met:

   a) Concept approval has been granted by the Contracting Agency.

   b) All design reviews and approvals have been completed, including plans and specifications.

   c) The Contractor has guaranteed, in writing, the minimum savings to the Contracting Agency.

Section 1-05, Control of Work

August 4, 2014

1-05.1 Authority of the Engineer

In this section, "Project Engineer" is revised to read "Engineer".

The second paragraph (up until the colon) is revised to read:

The Engineer's decisions will be final on all questions including the following:

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

The Engineer represents the Contracting Agency with full authority to enforce Contract requirements.

1-05.2 Authority of Assistants and Inspectors

The first paragraph is revised to read:

The Engineer may appoint assistants and Inspectors to assist in determining that the Work and materials meet the Contract requirements. Assistants and Inspectors have the authority to reject defective material and suspend Work that is being done improperly, subject to the final decisions of the Engineer.

In the third paragraph, "Project Engineer" is revised to read "Engineer".

1-05.3 Plans and Working Drawings

This section's title is revised to read:
Working Drawings

This section is revised to read:

The Contract may require the Contractor to submit Working Drawings for the performance of the Work. Working Drawings shall be submitted by the Contractor electronically to the Engineer in PDF format; drawing details shall be prepared in accordance with conventional detailing practices. If the PDF format is found to be unacceptable, at the request of the Engineer, the Contractor shall provide paper copies of the Working Drawings with drawings on 11 by 17 inch sheets and calculations/text on 8½ by 11 inch sheets.

Working Drawings will be classified under the following categories:

1. **Type 1** – Submitted for Contracting Agency information. Submittal must be received by the Contracting Agency a minimum of 7 calendar days before work represented by the submittal begins.

2. **Type 2** – Submitted for Contracting Agency review and comment. Unless otherwise stated in the Contract, the Engineer will require up to 20 calendar days from the date the Working Drawing is received until it is returned to the Contractor. The Contractor shall not proceed with the Work represented by the Working Drawing until comments from the Engineer have been addressed.

3. **Type 2E** – Same as a Type 2 Working Drawing with Engineering as described below.

4. **Type 3** – Submitted for Contracting Agency review and approval. Unless otherwise stated in the Contract, the Engineer will require up to 30 calendar days from the date the Working Drawing is received until it is returned to the Contractor. The Contractor shall obtain the Engineer’s written approval before proceeding with the Work represented by the Working Drawing.

5. **Type 3E** – Same as a Type 3 Working Drawing with Engineering as described below.

All Working Drawings shall be considered Type 3 Working Drawings except as specifically noted otherwise in the Contract. Unless designated otherwise by the Contractor, submittals of Working Drawings will be reviewed in the order they are received by the Engineer. In the event that several Working Drawings are received simultaneously, the Contractor shall specify the sequence in which they are to be reviewed. If the Contractor does not submit a review sequence for simultaneous Working Drawing submittals, the review sequence will be at the Engineer’s discretion.

Working Drawings requiring Engineering, Type 2E and 3E, shall be prepared by (or under the direction of) a Professional Engineer, licensed under Title 18 RCW, State of Washington, and in accordance with WAC 196-23-020. Design calculations shall carry the Professional Engineer’s signature and seal, date of signature, and registration number on the cover page. The cover page shall also include the Contract number, Contract title and sequential index to calculation page numbers.
If more than the specified number of days is required for the Engineer’s review of any individual Working Drawing or resubmittal, an extension of time will be considered in accordance with Section 1-08.8.

Review or approval of Working Drawings shall neither confer upon the Contracting Agency nor relieve the Contractor of any responsibility for the accuracy of the drawings or their conformity with the Contract. The Contractor shall bear all risk and all costs of any Work delays caused by rejection or nonapproval of Working Drawings.

Unit Bid prices shall cover all costs of Working Drawings.

Section 1-07, Legal Relations and Responsibilities to the Public
January 6, 2014

1-07.2 State Taxes
This section is revised to read:

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

The Contracting Agency may deduct from its payments to the Contractor, retainage or lien the bond, in the amount the Contractor owes the State Department of Revenue, whether the amount owed relates to the Contract in question or not. Any amount so deducted will be paid into the proper State fund on the contractor’s behalf. For additional information on tax rates and application refer to applicable RCWs, WACs or the Department of Revenue’s website.

1-07.2(1) State Sales Tax: Work Performed on City, County, or Federally-Owned Land
This section including title is revised to read:

1-07.2(1) State Sales Tax: WAC 458-20-171 – Use Tax
For Work designated as Rule 171, Use Tax, the Contractor shall include for compensation the amount of any taxes paid in the various unit Bid prices or other Contract amounts. Typically, these taxes are collected on materials incorporated into the project and items such as the purchase or rental of; tools, machinery, equipment, or consumable supplies not integrated into the project.

The Summary of Quantities in the Contract Plans identifies those parts of the project that are subject to Use Tax under Section 1-07.2(1).

1-07.2(2) State Sales Tax: Work on State-Owned or Private Land
This section including title is revised to read:

1-07.2(2) State Sales Tax: WAC 458-20-170 – Retail Sales Tax
For Work designated as Rule 170, Retail Sales Tax, the Contractor shall collect from the Contracting Agency, Retail Sales Tax on the full Contract price. The Contracting Agency will automatically add this Retail Sales Tax to each payment to the Contractor and for this
reason; the Contractor shall not include the Retail Sales Tax in the unit Bid prices or in any other Contract amount. However, the Contracting Agency will not provide additional compensation to the Prime Contractor or Subcontractor for Retail Sales Taxes paid by the Contractor in addition to the Retail Sales Tax on the total contract amount. Typically, these taxes are collected on items such as 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 prices or in any other Contract amounts.

The Summary of Quantities in the Contract Plans identifies those parts of the project that are subject to Retail Sales Tax under Section 1-07.2(2).

1-07.2(3) Services
This section is revised to read:

Any contract wholly for professional or other applicable services is generally not subject to Retail Sales Tax and therefore the Contractor shall not collect Retail Sales Tax from the Contracting Agency on those Contracts. Any incidental taxes paid as part of providing the services shall be included in the payments under the contract.

Section 1-08, Prosecution and Progress
May 5, 2014

1-08.1 Subcontracting
The eighth paragraph is revised to read:

On all projects, the Contractor shall certify to the actual amounts paid to Disadvantaged, Minority, Women's, or Small Business Enterprise firms that were used as Subcontractors, lower tier subcontractors, manufacturers, regular dealers, or service providers on the Contract. This Certification shall be submitted to the Project Engineer on a monthly basis each month between Execution of the Contract and Physical Completion of the contract using the application available at: https://remoteapps.wsdot.wa.gov/mapsdata/tools/dbeparticipation. The monthly report is due 20 calendar days following the end of the month. A monthly report shall be submitted for every month between Execution of the Contract and Physical Completion regardless of whether payments were made or work occurred.

The ninth paragraph is deleted.

Section 2-01, Clearing, Grubbing, and Roadside Cleanup
August 4, 2014

2-01.3(1) Clearing
In the second paragraph, item number 3 (up until the colon) is revised to read:

3. Follow these requirements for all stumps that will be buried deeper than 5 feet from the top, side, or end surface of the embankment or any structure and are in a location that will not be terraced as described in Section 2-03.3(14):
Section 2-03, Roadway Excavation and Embankment
August 4, 2014

2-03.3(14) Embankment Construction
The third paragraph is revised to read:

Hillside Terraces – The Contractor shall terrace the original ground or embankment when
the slope of the surface is 2H:1V or steeper unless otherwise directed by the Engineer. The
face of each terrace shall be a minimum of 1 foot and a maximum of 5 feet in height and
shall be vertical or near vertical as required to remain stable during material placement and
compaction. The bench of the terrace shall slope outward to drain and shall not be inclined
steeper than 0.05 foot per foot. Terraces damaged during work shall be reestablished. The
Engineer may order the Contractor to place gravel backfill, pipe drains or both to drain any
seepage.

2-03.3(14)L Embankment Widening for Guardrail
The first sentence is revised to read:

Embankments widened for the installation of beam guardrail shall be terraced in
accordance with the requirements for hillside terraces in Section 2-03.3(14).

The second sentence is deleted.

Section 3-04, Acceptance of Aggregate
August 4, 2014

3-04.5 Payment
In Table 2, the row containing the item “HMA Aggregate” is revised to read:

| 9-03.8(2) | HMA Aggregate | | 15 | 15 | Uncompacted Void Content 15 |

Section 5-04, Hot Mix Asphalt
August 4, 2014

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

Mix designs for HMA accepted by commercial evaluation shall be submitted to the Project
Engineer on WSDOT Form 350-042.

5-04.3(10)A General
In the first paragraph, “checking” and “cracking” are deleted.

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

Coverage with a steel wheel roller may precede pneumatic tired rolling.

In the third paragraph, the following new sentence is inserted before the last sentence:
Regardless of mix temperature, a roller shall not be operated in a mode that results in checking or cracking of the mat.

5-04.3(10)B1 General

In this section, “Project Engineer” is revised to read “Engineer”.

The first paragraph is revised to read:

HMA mixture accepted by statistical or nonstatistical evaluation that is used in traffic lanes, including lanes for ramps, truck climbing, weaving, and speed change, and having a specified compacted course thickness greater than 0.10-foot, shall be compacted to a specified level of relative density. The specified level of relative density shall be a Composite Pay Factor (CPF) of not less than 0.75 when evaluated in accordance with Section 1-06.2, using a minimum of 91 percent of the maximum density. The percent of maximum density shall be determined by WSDOT FOP for AASHTO T 729 when using the nuclear density gauge and WSDOT SOP 736 when using cores to determine density. The specified level of density attained will be determined by the statistical evaluation of the density of the pavement.

The following four new paragraphs are inserted after the first paragraph:

Tests for the determination of the pavement density will be taken in accordance the required procedures for measurement by a nuclear density gauge or roadway cores after completion of the finish rolling.

If the Contracting Agency uses a nuclear density gauge to determine density the test procedures FOP for WAQTC TM 8 and WSDOT SOP T 729 will be used on the day the mix is placed.

Roadway cores for density may be obtained by either the Contracting Agency or the Contractor in accordance with WSDOT SOP 734. The core diameter shall be 4-inches unless other approved by the Engineer. Roadway cores will be tested by the Contracting Agency in accordance with WSDOT FOP for AASHTO T 166.

If the Contract includes the Bid item “Roadway Core” the cores shall be obtained by the Contractor in the presence of the Engineer on the same day the mix is placed and at locations designated by the Engineer. If the Contract does not include the Bid item “Roadway Core” the Contracting Agency will obtain the cores.

5-04.3(10)B4 Test Results

The first paragraph is revised to read:

The 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 density gauge requires a correlation factor and may require resolution after the correlation factor is known. Acceptance of HMA compaction will be based on the statistical evaluation and CPF so determined.
For a sublot that has been tested with a nuclear density gauge that did not meet the minimum of 91 percent of the reference maximum density in a compaction lot with a CPF below 1.00 and thus subject to a price reduction or rejection, the Contractor may request that a core be used for determination of the relative density of the sublot.

In the second sentence of the second paragraph, “moisture-density” is revised to read “density”.

In the second paragraph, the fourth sentence is deleted.

5-04.4 Measurement
The following new paragraph is inserted after the first paragraph:

Roadway cores will be measured per each for the number of cores taken.

The second to last paragraph is deleted.

5-04.5 Payment
The bid item “Removing Temporary Pavement Marking”, per linear foot and paragraph following bid item are deleted.

The following new bid item is inserted before the second to last paragraph:

“Roadway Core”, per each.

The Contractor’s costs for all other Work associated with the coring (e.g., traffic control) shall be incidental and included within the unit Bid price per each and no additional payments will be made.

Section 5-05, Cement Concrete Pavement
August 4, 2014

5-05.3(1) Concrete Mix Design for Paving
The second and third rows of the table in item number 3 are revised to read:

<table>
<thead>
<tr>
<th>Course Aggregate</th>
<th>+ 30 Pounds</th>
<th>- 30 Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fine Aggregate</td>
<td>+ 30 Pounds</td>
<td>- 30 Pounds</td>
</tr>
</tbody>
</table>

5-05.4 Measurement
The fourth paragraph is supplemented with the following new sentence:

Tie bars with drill holes in cement concrete pavement placed under the Contract will not be measured.

5-05.5 Payment
The paragraph following the Bid item “Tie Bar with Drill Hole”, per each is supplemented with the following new sentence:

All costs for tie bars with drill holes in cement concrete pavement placed under the Contract shall be included in the unit Contract price per cubic yard for “Cement Conc. Pavement”.
6-02.3(1) Classification of Structural Concrete
In paragraph two, item number 1 is revised to read:

Mix design and proportioning specified in Sections 6-02.3(2), 6-02.3(2)A and 6-02.3(2)A1.

Item number 3 is renumbered to 4.

After the preceding Amendments are applied, the following new numbered item is inserted after item number 2:

3. Temperature and time for placement requirements specified in Section 6-02.3(4)D.

6-02.3(2) Proportioning Materials
In the third paragraph, the first sentence is revised to read:

The use of fly ash is required for Class 4000P concrete, except that ground granulated blast furnace slag may be substituted for fly ash at a 1:1 ratio.

In the table titled “Cementitious Requirement for Concrete”, the row beginning with “4000D” is deleted.

The fourth paragraph is revised to read:

When both ground granulated blast furnace slag and fly ash are included in the concrete mix, the total weight of both these materials is limited to 40 percent by weight of the total cementitious material for concrete class 4000A, and 50 percent by weight of the total cementitious material for all other classes of concrete.

6-02.3(2)A Contractor Mix Design
The first paragraph is revised to read:

The Contractor shall provide a mix design in writing to the Engineer for all classes of concrete specified in the Plans except for lean concrete and commercial concrete. No concrete shall be placed until the Engineer has reviewed the mix design. The required average 28-day compressive strength shall be selected in accordance with ACI 318, Chapter 5, Section 5.3.2. ACI 211.1 and ACI 318 shall be used to determine proportions. All proposed concrete mixes except Class 4000D shall meet the requirements in Cementitious Requirement for Concrete in Section 6-02.3(2).

In the fourth paragraph, the fourth sentence is deleted.

In the sixth paragraph, the first sentence is deleted.

In the seventh paragraph, the last sentence is deleted.

The eighth paragraph is revised to read:
Air content for concrete Class 4000D shall conform to Section 6-02.3(2)A1. For all other concrete, air content shall be a minimum of 4.5 percent and a maximum of 7.5 percent for all concrete placed above the finished ground line.

The following new sub-section is added:

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

All Class 4000D concrete shall be a project specific performance mix design conforming to the following requirements:

1. Aggregate shall use combined gradation in accordance with Section 9-03.1(5) with a nominal maximum aggregate size of 1-1/2 inches.

2. Permeability shall be less than 2,000 coulombs at 56 days in accordance with AASHTO T 277.

3. Freeze-thaw durability shall be provided by one of the following methods:
   a. The concrete shall maintain an air content between 4.5 and 7.5 percent.
   b. The concrete shall maintain a minimum air content that achieves a durability factor of 90 percent, minimum, after 300 cycles in accordance with AASHTO T 161, Procedure A. This air content shall not be less than 3.0 percent. Test samples shall be obtained from concrete batches of a minimum of 3.0 cubic yards.

4. Scaling shall have a visual rating less than or equal to 2 after 50 cycles in accordance with ASTM C 672.

5. Shrinkage at 28 days shall be less than 320 micro strain in accordance with AASHTO T 160.

6. Modulus of elasticity shall be measured in accordance with ASTM C 469.

7. Density shall be measured in accordance with ASTM C 138.

The Contractor shall submit the mix design in accordance with Section 6-02.3(2)A. The submittal shall include test reports for all tests listed above that follow the reporting requirements of the AASHTO/ASTM procedures. Samples for testing may be obtained from either laboratory or concrete plant batches. If concrete plant batches are used, the minimum batch size shall be 3.0 cubic yards. The Contractor shall submit the mix design to the Engineer at least 30 calendar days prior to the placement of concrete in the bridge deck.

6-02.3(4)D Temperature and Time For Placement

The first two sentences are revised to read:

Concrete temperatures shall remain between 55°F and 90°F while it is being placed, except that Class 4000D concrete temperatures shall remain between 55°F and 75°F during placement. Precast concrete that is heat cured in accordance with Section 6-02.3(25)D shall remain between 50°F and 90°F while being placed.
6-02.3(5)A General
The first paragraph is revised to read:

Concrete for the following applications will be accepted based on a Certificate of
Compliance to be provided by the supplier as described in Section 6-02.3(5)B:

1. Lean concrete.
2. Commercial concrete.
3. Class 4000P concrete for Roadside Steel Sign Support Foundations.
4. Class 4000P concrete for Type II, III, and CCTV Signal Standard Foundations that
are 12'-0" or less in depth.
5. Class 4000P concrete for Type IV and V Strain Pole Foundations that are 12'-0" or
less in depth.
6. Class 4000P concrete for Steel Light Standard Foundations Types A & B.

The following new sentence is inserted at the beginning of the second paragraph:

Slip-form barrier concrete will be accepted based on conformance to the requirements for
temperature, air content and compressive strength at 28 days for sublots as tested and
determined by the Contracting Agency.

6-02.3(5)H Sampling and Testing for Compressive Strength and Initial Curing
The second paragraph is revised to read:

The Contractor shall provide and maintain a sufficient number of cure boxes in accordance
with WSDOT FOP for AASHTO T 23 for curing concrete cylinders. The cure boxes shall be
readily accessible and no more than 500 feet from the point of acceptance testing, unless
otherwise approved by the Engineer. The Contractor shall also provide, maintain and
operate all necessary power sources and connections needed to operate the cure boxes.
The cure boxes shall be in-place and functioning at the specified temperature for curing
cylinders prior to concrete placement. Concrete cylinders shall be cured in the cure boxes
in accordance with WSDOT FOP for AASHTO T 23. The cure boxes shall have working
locks and the Contractor shall provide the Engineer with one key to each of the locks.
Once concrete cylinders are placed in the cure box, the cure box shall not be disturbed until
the cylinders have been removed. The Contractor shall retain the cure box Temperature
Measuring Device log and provide it to the Engineer upon request.

The following new paragraph is inserted after the last paragraph:

All cure box costs shall be incidental to the associated item of work.

6-02.3(6)A2 Cold Weather Protection
The first sentence in the first paragraph is revised to read:
This Specification applies when the weather forecast on the day of concrete placement predicts air temperatures below 35°F at any time during the 7 days following placement.

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

The temperature of the concrete shall be maintained above 50°F during the entire curing period or 7 days, whichever is greater.

6-02.3(10)D Concrete Placement, Finishing, and Texturing
This section is supplemented with the following new sub-sections:

6-02.3(10)D1 Test Slab Using Bridge Deck Concrete
After the Contractor receives the Engineer’s approval for the Class 4000D concrete mix design, and a minimum of seven calendar days prior to the first placement of bridge deck concrete, the Contractor shall construct a test slab using concrete of the approved mix design.

The test slab may be constructed on grade, shall have a minimum thickness of eight-inches, shall have minimum plan dimensions of 10-feet along all four edges, and shall be square or rectangular.

During construction of the test slab, the Contractor shall demonstrate concrete sampling and testing, use of the concrete temperature monitoring system, the concrete fogging system, concrete placement system, and the concrete finishing operation. The Contractor shall conduct the demonstration using the same type of equipment to be used for the production bridge decks, except that the Contractor may elect to finish the test slab with a hand-operated strike-board.

After the construction of the test slab and the demonstration of bridge deck construction operations is complete, the Contractor shall remove and dispose of the test slab in accordance with Sections 2-02.3 and 2-03.3(7)C.

6-02.3(10)D2 Preparation for Concrete Placement
Before placing bridge approach slab concrete, the subgrade shall be constructed in accordance with Sections 2-06 and 5-05.3(6).

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

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

6-02.3(10)D3 Concrete Placement
The placement operation shall cover the full width of the bridge deck or the full width between construction joints. The Contractor shall locate any construction joint over a beam or web that can support the deck/slab on either side of the joint. The joint shall not occur over a pier unless the Plans permit. Each joint shall be formed vertically and in true alignment. The Contractor shall not release falsework or wedges supporting bridge deck
placement sections on either side of a joint until each side has aged as these Specifications
require.

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

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

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

3. Not use vibrators to move concrete;

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

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

6. Maintain a slight excess of concrete in front of the screed across the entire width of
the placement operation;

7. Operate the finishing machine to create a surface that is true and ready for final
finish without overfinishing or bringing excessive amounts of mortar to the surface;
and

8. Leave a thin, even film of mortar on the concrete surface after the last pass of the
finishing machine pan.

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

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

If the surface left by the finishing machine is porous, rough, or has minor irregularities, the
Contractor shall float the surface of the concrete. Floating shall leave a smooth and even
surface. Float finishing shall be kept to the minimum number of passes necessary to seal
the surface. The floats shall be at least 4-feet long. Each transverse pass of the float shall
overlap the previous pass by at least half the length of the float. The first floating shall be at
right angles to the strike-off. The second floating shall be at right angles to the centerline of
the span. A smooth riding surface shall be maintained across construction joints.

The edge of completed roadway slabs at expansion joints and compression seals shall
have a 3/8-inch radius.

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

If the test reveals depressions, the Contractor shall fill them with freshly mixed concrete,
strike off, consolidate, and refinish them. High areas shall be cut down and refinished.
Retesting and refinishing shall continue until a surface conforming to the requirements
specified above is produced.

6-02.3(10)D4 Monitoring Bridge Deck Concrete Temperature After Placement
The Contractor shall monitor and record the concrete temperature and ambient
temperature hourly for seven calendar days after placement. The Contractor shall monitor
and record concrete temperature by placing two maturity meter temperature monitoring
devices in the bridge deck at locations specified by the Engineer. The Contractor shall
monitor ambient temperature using maturity meters near the locations where concrete
temperature is being monitored. When the bridge deck is being enclosed and heated to
meet cold weather requirements, ambient temperature readings shall be taken within the
enclosure. The Contractor shall submit the concrete temperature and ambient temperature
data to the Engineer in spreadsheet format within 14 calendar days from placing the bridge
deck concrete.

The Contractor shall submit the type and model of maturity meter temperature monitoring
device, and the associated devices responsible for recording and documenting the
temperature and curing time, to the Engineer at least 14 calendar days prior to the pre-
concreting conference for the first bridge deck to be cast. The placement and operation of
the temperature monitoring devices and associated devices will be an agenda item at the
pre-concreting conference for the first bridge deck to be cast.

6-02.3(10)D5 Bridge Deck Concrete Finishing and Texturing
Except as otherwise specified for portions of bridge decks receiving an overlay or sidewalk
under the same Contract, the Contractor shall texture the surface of the bridge deck as
follows:

The Contractor shall texture the bridge deck using diamond tipped saw blades
mounted on a power driven, self-propelled machine that is designed to texture
concrete surfaces. The grooving equipment shall provide grooves that are 1/8" ± 1/64"
wide, 3/16" ± 1/16" deep, and spaced at 3/4" ± 1/8". The bridge deck shall not be
textured with a metal tined comb.

The Contractor shall submit the type of grooving equipment to be used to the Engineer
for approval 30 calendar days prior to performing the work. The Contractor shall
demonstrate that the method and equipment for texturing the bridge deck will not chip,
spall or otherwise damage the deck. The Contractor shall not begin texturing the
bridge deck until receiving the Engineer's approval of the Contractor's method and
equipment.

Unless otherwise approved by the Engineer, the Contractor shall texture the concrete
bridge deck surface either in a longitudinal direction, parallel with centerline or in a
transverse direction, perpendicular with centerline. The Contractor shall texture the
bridge deck surface to within 3-inches minimum and 15-inches maximum of the edge
of concrete at expansion joints, within 1-foot minimum and 2-feet maximum of the curb
line, and within 3-inches minimum and 9-inches maximum of the perimeter of bridge drain assemblies.

The Contractor shall contain and collect all concrete dust and debris generated by the bridge deck texturing process, and shall dispose of the collected concrete dust and debris in accordance with Section 2-03.3(7)C.

If the Plans call for placement of a sidewalk or an HMA or concrete overlay on the bridge deck, the Contractor shall produce the final finish of these areas by dragging a strip of damp, seamless burlap lengthwise over the bridge deck or by brooming it lightly. Approximately 3-feet of the drag shall contact the surface, with the least possible bow in its leading edge. It shall be kept wet and free of hardened lumps of concrete. When the burlap drag fails to produce the required finish, the Contractor shall replace it. When not in use, it shall be lifted clear of the bridge deck.

After the bridge deck has cured, the surface shall conform to the surface smoothness requirements specified in Section 6-02.3(10)D3.

The surface texture on any area repaired to address out-of-tolerance surface smoothness shall match closely that of the surrounding bridge deck area at the completion of the repair. Methods used to remove high spots shall cut through the mortar and aggregate without breaking or dislodging the aggregate or causing spalls.

6-02.3(10)D6 Bridge Approach Slab Finishing and Texturing

Bridge approach slabs shall be textured either in accordance with Section 6-02.3(10)D5, or using metal tined combs in the transverse direction, except bridge approach slabs receiving an overlay in the same Contract shall be finished as specified in Section 6-02.3(10)D5 only.

The comb shall be made of a single row of metal tines. It shall leave striations in the fresh concrete approximately 3/16-inch deep by 1/8-inch wide and spaced approximately 1/2-inch apart. The Engineer will decide actual depths at the site. If the comb has not been approved, the Contractor shall obtain the Engineer's approval by demonstrating it on a test section. The Contractor may operate the combs manually or mechanically, either singly or with several placed end to end. The timing and method used shall produce the required texture without displacing larger particles of aggregate.

Texturing shall end 2-feet from curb lines. This 2-foot untextured strip shall be hand finished with a steel trowel.

Surface smoothness, high spots, and low spots shall be addressed as specified in Section 6-02.3(10)D5. The surface texture on any area cut down or built up shall match closely that of the surrounding bridge approach slab area. The entire bridge approach slab shall provide a smooth riding surface.

6-02.3(11) Curing Concrete

Items number 1 through 4 are deleted and replaced with the following 5 new numbered items:

1. Bridge sidewalks, roofs of cut and cover tunnels — curing compound covered by white, reflective type sheeting or continuous wet curing. Curing by either method shall be for at least 10 days.
2. Bridge decks — See Section 6-02.3(11)B.

3. Bridge approach slabs (Class 4000A concrete) - 2 coats of curing compound and continuous wet cure for at least 10-days.

4. Concrete barriers and rail bases – See Section 6-02.3(11)A.

5. All other concrete surfaces — continuous wet cure for at least three days.

In the second paragraph, the first sentence is replaced with the following three new sentences:

During the continuous wet cure, the Contractor shall keep all exposed concrete surfaces saturated with water. Formed concrete surfaces shall be kept in a continuous wet cure by leaving the forms in place. If forms are removed during the continuous wet cure period, the Contractor shall treat the concrete as an exposed concrete surface.

The third paragraph is revised to read:

When curing Class 4000A, two coats of curing compound that complies with Section 9-23.2 shall be applied immediately (not to exceed 15 min.) after tining any portion of the bridge approach slab. The continuous wet cure shall be established as soon as the concrete has set enough to allow covering without damaging the finish.

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

If the Plans call for an asphalt overlay on the bridge approach slab, the Contractor shall use the clear curing compound (Type 1, Class B), applying at least 1 gallon per 150 square feet to the concrete surface.

The eighth paragraph is deleted.

6-02.3(11)B Curing Bridge Decks

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

6-02.3(11)B1 Equipment

The Contractor shall maintain a wet sheen, without developing pooling or sheeting water, using a fogging apparatus consisting of pressure washers with a minimum nozzle output of 1,500 psi, or other means approved by the Engineer.

The Contractor shall submit a bridge deck curing plan to the Engineer a minimum 14 calendar days prior to the pre-concreting conference. The Contractor’s plan shall describe the sequence and timing that will be used to fog the bridge deck, apply pre-soaked burlap, install soaker hoses and cover the deck with white reflective sheeting.

6-02.3(11)B2 Curing

The fogging apparatus shall be in place and charged for fogging prior to beginning concrete placement for the bridge deck.

The Contractor shall presoak all burlap to be used to cover the deck during curing.
Immediately after the finishing machine passes over finished concrete, the Contractor shall implement the following tasks:

1. The Contractor shall fog the bridge deck while maintaining a wet sheen without developing pooling or sheeting water.

2. The Contractor shall apply the pre-soaked burlap to the top surface to fully cover the deck without damaging the finish, other than minor marring of the concrete surface. The Contractor shall not apply curing compound.

3. The Contractor shall continue to keep the burlap wet by fog spraying until the burlap is covered by soaker hoses and white reflective sheeting. The Contractor shall place the soaker hoses and white reflective sheeting after the concrete has achieved initial set. The Contractor shall charge the soaker hoses frequently so as to keep the burlap covering the entire deck wet during the course of curing.

As an alternative to tasks 2 and 3 above, the Contractor may propose a curing system using proprietary curing blankets specifically manufactured for bridge deck curing. Details of the proprietary curing blanket system, including product literature and details of how the system is to be installed and maintained, shall be submitted to the Engineer for approval.

The wet curing regime as described shall remain in place for at least 14 consecutive calendar days.

6-02.3(12)A Construction Joints in New Construction

The third paragraph is deleted and replaced with the following three new paragraphs:

If the Plans require a roughened surface on the joint, the Contractor shall strike it off to leave grooves at right angles to the length of the member. Grooves shall be installed using one of the following options:

1. Grooves shall be ½ to 1 inch wide, ¼ to ½ inch deep, and spaced equally at twice the width of the groove. Grooves shall terminate at approximately 1 ½-inches from the face of concrete.

2. Grooves shall be 1 to 2 inches wide, a minimum of ½-inch deep, and spaced a maximum of three times the width of the groove. Grooves shall terminate approximately 1 ½-inches from the face of concrete.

If the Engineer approves, the Contractor may use an alternate method to produce a roughened surface on the joint, provided that such an alternate method leaves a roughened surface of at least a ⅛-inch amplitude.

If the first strike-off does not produce the required roughness, the Contractor shall repeat the process before the concrete reaches initial set. The final surface shall be clean and without laitance or loose material.

6-02.3(15) Date Numerals

The third sentence in the first paragraph is revised to read:
When an existing Structure is widened or when traffic barrier is placed on an existing Structure, the date shall be for the year in which the original Structure was completed.

**6-02.3(16) Plans for Falsework and Formwork**

This section is revised to read:

The Contractor shall submit all plans for falsework and formwork as Type 2E Working Drawings. Submittal is not required for footing or retaining wall formwork if the wall is 4 feet or less in height (excluding pedestal height).

The design of falsework and formwork shall be based on:

1. Applied loads and conditions which are no less severe than those described in Section 6-02.3(17)A, Design Loads;
2. Allowable stresses and deflections which are no greater than those described in Section 6-02.3(17)B, Allowable Stresses and Deflections;
3. Special loads and requirements no less severe than those described in Section 6-02.3(17)C, Falsework and Formwork at Special Locations;
4. Conditions required by other Sections of 6-02.3(17), Falsework and Formwork.

The falsework and formwork plans shall be scale drawings showing the details of proposed construction, including: sizes and properties of all members and components; spacing of bents, posts, studs, wales, stringers, wedges and bracing; rates of concrete placement, placement sequence, direction of placement, and location of construction joints; identification of falsework devices and safe working loads as well as identification of any bolts or threaded rods used with the devices including their diameter, length, type, grade, and required torque. The falsework plans shall show the proximity of falsework to utilities or any nearby Structures including underground Structures. Formwork accessories shall be identified according to Section 6-02.3(17)H, Formwork Accessories. All assumptions, dimensions, material properties, and other data used in making the structural analysis shall be noted on the drawing.

The Contractor shall furnish associated design calculations to the Engineer as part of the submittal. The design calculations shall show the stresses and deflections in load supporting members. Construction details which may be shown in the form of sketches on the calculation sheets shall be shown in the falsework or formwork drawings as well. Falsework or formwork plans will be rejected in cases where it is necessary to refer to the calculation sheets for information needed for complete understanding of the falsework and formwork plans or how to construct the falsework and formwork.

Each sheet of falsework and formwork plans shall carry the following:

1. The initials and dates of all participating design professionals.
2. Clear notation of all revisions including identification of who authorized the revision, who made the revision, and the date of the revision.
3. The Contract number, Contract title, and sequential sheet number. These shall also be on any related documents.

4. Identify where the falsework and formwork plan will be utilized by referencing Contract Plan sheet number and related item or detail.

6-02.3(16)A Nonpreapproved Falsework and Formwork Plans
This section, including title, is deleted in its entirety and replaced with the following:

6-02.3(16)A Vacant

6-02.3(16)B Preapproved Formwork Plans
This section, including title, is revised to read:

6-02.3(16)B Pre-Contract Review of Falsework and Formwork Plans
The Contractor may request pre-contract review of formwork plans for abutments, wingwalls, diaphragms, retaining walls, columns, girders and beams, box culverts, railings, and bulkheads. Plans for falsework supporting the bridge deck for interior spans between precast prestressed concrete girders may also be submitted for pre-contract review.

To obtain pre-contract review, the Contractor shall electronically submit drawings and design calculations in PDF format directly to:

BridgeConstructionSupport@wsdot.wa.gov

The Bridge and Structures Office, Construction Support Engineer will return the falsework or formwork plan to the Contractor with review notes, an effective date of review, and any revisions needed prior to use. For each contract on which the pre-reviewed falsework or formwork plans will be used, the Contractor shall submit a copy to the Engineer. Construction shall not begin until the Engineer has given concurrence.

If the falsework or formwork being constructed has any deviations to the preapproved falsework or formwork plan, the Contractor shall submit plan revisions for review and approval in accordance with Section 6-02.3(16).

6-02.3(17)A Design Loads
The fifth paragraph is revised to read:

Live loads shall consist of a minimum uniform load of not less than 25 psf, applied over the entire falsework plan area, plus the greater of:

1. Actual weights of the deck finishing equipment applied at the rails, or;

2. A minimum load of 75 pounds per linear foot applied at the edge of the bridge deck.

6-02.3(17)J Face Lumber, Studs, Wales, and Metal Forms
The second to last paragraph is deleted.
6-02.3(17)O Early Concrete Test Cylinder Breaks
The third paragraph is revised to read:

The cylinders shall be cured in the field in accordance with WSDOT FOP for AASHTO T 23
Section 10.2 Field Curing.

6-02.3(20) Grout for Anchor Bolts and Bridge Bearings
The first five paragraphs are deleted and replaced with the following two new paragraphs:

Grout shall conform to Section 9-20.3(2) for anchor bolts and for bearing assemblies with
bearing plates. Grout shall conform to Section 9-20.3(3) for elastomeric bearing pads and
fabric pad bearings without bearing plates.

Grout shall be a workable mix with a viscosity that is suitable for the intended application.
The Contractor shall receive approval from the Engineer before using the grout.

6-02.3(26)F Prestressing Reinforcement
The last sentence in the fourth paragraph is revised to read:

If the prestressing reinforcement will not be stressed and grouted for more than 7 calendar
days after it is placed in the ducts, the Contractor shall place an approved corrosion

6-02.5 Payment
In the paragraph following the bid item “Commercial Concrete”, per cubic yard the second
sentence is revised to read:

All costs in connection with concrete curing, and furnishing and applying pigmented sealer
to concrete surfaces as specified, shall be included in the unit contract price per cubic yard
for "Conc. Class ____".

The following new paragraph is inserted after the bid item “Superstructure (name bridge)”, lump
sum:

All costs in connection with constructing, finishing and removing the bridge deck test slab
as specified in Section 6-02.3(10)D1 shall be included in the lump sum Contract price for
“Superstructure___” or “Bridge Deck___” for one bridge in each project, as applicable.

The bid item “Cure Box”, lump sum and paragraph following bid item are deleted.

Section 8-20, Illumination, Traffic Signal Systems, Intelligent Transportation
Systems, and Electrical
August 4, 2014

8-20.2(1) Equipment List and Drawings
The fifth paragraph is revised to read:

The Contractor will not be required to submit shop drawings for approval for light standards
and traffic signal standards conforming to the preapproved plans listed in the Special
Provisions. The Contractor may use preapproved plans posted on the WSDOT website with a more current revision date than published in the Special Provisions.

8-20.3(8) Wiring
The second sentence in the eleventh paragraph is revised to read:

Every conductor at every wire termination, connector, or device shall have an approved wire marking sleeve bearing, as its legend, the circuit number indicated in the Contract.

8-20.3(13)A Light Standards
In the third paragraph, the last sentence of item number 1 is revised to read:

Conduit shall extend a maximum of 1 inch above the top of the foundation, including grounding end bushing or end bell bushing.

In the fourth paragraph, the second sentence of item number 1 is revised to read:

Conduits shall be cut to a maximum height of 2 inches above the foundation including grounding end bushing or end bell bushing.

Section 9-03, Aggregates
August 4, 2014

9-03.1(2)C Use of Substandard Gradings
This section including title is deleted in its entirety and replaced with the following:

Vacant

9-03.1(4)C Grading
In the second paragraph, the first sentence is deleted.

The third paragraph is deleted.

9-03.1(5)B Grading
The last paragraph is revised to read:

The Contracting Agency may sample each aggregate component prior to introduction to the weigh batcher or as otherwise determined by the Engineer. Each component will be sieve analyzed separately in accordance with WSDOT FOP for WAQTC/AASHTO Test Method T-27/11. All aggregate components will be mathematically re-combined by the proportions (percent of total aggregate by weight) provided by the Contractor on Concrete Mix Design Form 350-040.

9-03.8(1) General Requirements
The first paragraph up until the colon is revised to read:

Preliminary testing of aggregates for source approval shall meet the following test requirements:

The list in the first paragraph is supplemented with the following:
Sand Equivalent  45 min.

The following new paragraph is inserted after the first paragraph:

Aggregate sources that have 100 percent of the mineral material passing the No. 4 sieve shall be limited to no more than 5 percent of the total weight of aggregate.

9-03.14(3) Common Borrow

This section is revised to read:

Material for common borrow shall consist of granular or nongranular soil and/or aggregate which is free of deleterious material. Deleterious material includes wood, organic waste, coal, charcoal, or any other extraneous or objectionable material. The material shall not contain more than 3 percent organic material by weight. The plasticity index shall be determined using test method AASHTO T 89 and AASHTO T 90.

The material shall meet one of the options in the soil plasticity table below.

<table>
<thead>
<tr>
<th>Soil Plasticity Table</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>3</td>
</tr>
</tbody>
</table>

All percentages are by weight.

If requested by the Contractor, the plasticity index may be increased with the approval of the Engineer.

9-03.14(4) Gravel Borrow for Structural Earth Wall

In the second table, the row beginning with “pH” is revised to read:

<table>
<thead>
<tr>
<th>pH</th>
<th>WSDOT Test Method T 417</th>
<th>4.5 - 9</th>
<th>5 - 10</th>
</tr>
</thead>
</table>

Section 9-07, Reinforcing Steel

January 6, 2014

9-07.5(2) Corrosion Resistant Dowel Bars (for Cement Concrete Pavement)

This section’s title is revised to read:
9-07.5(2) Corrosion Resistant Dowel Bars (for Cement Concrete Pavement and Cement Concrete Pavement Rehabilitation)

Section 9-29, Illumination, Signal, Electrical
August 4, 2014

9-29.2(1)B Heavy Duty Junction Boxes
The second paragraph is revised to read:

The Heavy-Duty Junction Box steel frame, lid support and lid fabricated from steel plate and shapes shall be painted with a shop applied, inorganic zinc primer in accordance with Section 6-07.3. Ductile iron and gray iron castings shall not be painted.

The following new paragraph is inserted after the second paragraph:

The concrete used in Heavy-Duty Junction Boxes shall have a minimum compressive strength of 4,000 psi.

In the fourth paragraph (after the preceding Amendment is applied), the table is revised to read:

<table>
<thead>
<tr>
<th>Materials</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>Section 6-02</td>
</tr>
<tr>
<td>Reinforcing Steel</td>
<td>Section 9-07</td>
</tr>
<tr>
<td>Lid</td>
<td>ASTM A 786 diamond plate steel, rolled from plate complying with ASTM A 572, grade 50 or ASTM A 588, and having a min. CVN toughness of 20 ft-lb at 40 degrees F. Or Ductile iron casting meeting Section 9-05.15</td>
</tr>
<tr>
<td>Frame and stiffener plates</td>
<td>ASTM A 572 grade 50 or ASTM A 588, both with min. CVN toughness of 20 ft-lb at 40 degrees F Or Gray iron casting meeting Section 9-05.15</td>
</tr>
<tr>
<td>Anchors (studs)</td>
<td>Section 9-06.15</td>
</tr>
<tr>
<td>Threaded Anchors for Gray Iron Frame</td>
<td>ASTM F1554 grade 55 Headed Anchor Requirements</td>
</tr>
<tr>
<td>Bolts, Studs, Nuts, Washers</td>
<td>ASTM F 593 or A 193, Type 304 or 316, or Stainless steel grade 302, 304, or 316 in accordance with approved shop drawings</td>
</tr>
<tr>
<td>Hinges and Locking and Latching Mechanism and associated Hardware and Bolts</td>
<td>In accordance with approved shop drawings</td>
</tr>
<tr>
<td>Safety Bars</td>
<td>In accordance with approved shop drawings</td>
</tr>
</tbody>
</table>

The last paragraph is revised to read:

The bearing seat and lid perimeter shall be free from burrs, dirt, and other foreign debris that would prevent solid seating. Bolts and nuts shall be liberally coated with anti-seize compound. Bolts shall be installed snug tight. The bearing seat and lid perimeter shall be machined to allow a minimum of 75 percent of the bearing areas to be seated with a
tolerance of 0.0 to 0.005 inches measured with a feeler gage. The bearing area percentage will be measured for each side of the lid as it bears on the frame.

9-29.2(2) Standard Duty and Heavy-Duty Cable Vaults and Pull Boxes
This section’s title is revised to read:

Small Cable Vaults, Standard Duty Cable Vaults, Heavy-Duty Cable Vaults, Standard Duty Pull Boxes, and Heavy-Duty Pull Boxes

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

Small, Standard Duty and Heavy-Duty Cable Vaults and Standard Duty and Heavy-Duty Pull Boxes shall be constructed as a concrete box and as a concrete lid.

9-29.2(2)A Standard Duty Cable Vaults and Pull Boxes
This section’s title is revised to read:

Small Cable Vaults, Standard Duty Cable Vaults, and Standard Duty Pull Boxes

The first paragraph is revised to read:

Small and Standard Duty Cable Vaults and Standard Duty Pull boxes shall be concrete and have a minimum load rating of 22,500 pounds and be tested in accordance with Section 9-29.2(1)C for concrete Standard Duty Junction Boxes.

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

Concrete for Small and Standard Duty Cable Vaults and Standard Duty Pull Boxes shall have a minimum compressive strength of 4,000 psi.

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

All Small and Standard Duty Cable Vaults and Standard Duty Pull Boxes placed in sidewalks, walkways, and shared-use paths shall have slip-resistant surfaces.

The fourth paragraph (up until the colon) is revised to read:

Materials for Small and Standard Duty Cable Vaults and Standard Duty Pull Boxes shall conform to the following:

9-29.3 Fiber Optic Cable, Electrical Conductors, and Cable
The following new subsection is added:

9-29.3(3) Wire Marking Sleeves
Wire marking sleeves shall be full-circle in design, non-adhesive, printable using an indelible ink and shall fit snugly on the wire or cable. Marking sleeves shall be made from a PVC or polyolefin, and provide permanent identification for wires and cables.
SPECIAL
PROVISIONS
INTRODUCTION TO THE SPECIAL PROVISIONS

(August 14, 2013 APWA GSP)

The work on this project shall be accomplished in accordance with the Standard Specifications for Road, Bridge and Municipal Construction, 2014 edition, as issued by the Washington State Department of Transportation (WSDOT) and the American Public Works Association (APWA), Washington State Chapter (hereafter "Standard Specifications"). The Standard Specifications, as modified or supplemented by the Amendments to the Standard Specifications and these Special Provisions, all of which are made a part of the Contract Documents, shall govern all of the Work.

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

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

(March 8, 2013 APWA GSP)

(April 1, 2013 WSDOT GSP)

Also incorporated into the Contract Documents by reference are:
- Standard Plans for Road, Bridge and Municipal Construction, WSDOT/APWA, current edition

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

DIVISION 1
GENERAL REQUIREMENTS

DESCRIPTION OF WORK

(March 13,1995)

This Contract provides for the improvement of the Terrace Heights landfill and other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications.

1-01 DEFINITIONS AND TERMS

1-01.3 Definitions

(March 8, 2013 APWA GSP)

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

Dates

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

Award Date

TERRACE HEIGHTS LANDFILL IMPROVEMENTS
- YARD EXPANSION AND EQUIPMENT GARAGE

COUNTY PROJECT NO. SP 3553

SPECIAL PROVISIONS

SP-1
The date of the formal decision of the Contracting Agency to accept the lowest responsible
and responsive Bidder for the Work.

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

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

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

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

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

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

Supplement this Section with the following:

All references in the Standard Specifications, Amendments, or WSDOT General Special
Provisions, to the terms “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”.

All references to “final contract voucher certification” shall be interpreted to mean the final
payment form established by the Contracting Agency.

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 Bid Proposal, which
may, at the discretion of the Contracting Agency, be awarded in addition to the base bid.

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

Business Day
A business day is any day from Monday through Friday except holidays as listed in Section 1-
08.5.
**Contract Bond**
The definition in the Standard Specifications for "Contract Bond" applies to whatever bond form(s) are required by the Contract Documents, which may be a combination of a Payment Bond and a Performance Bond.

**Contract Documents**
See definition for "Contract".

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

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

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

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

1-02  BID PROCEDURES AND CONDITIONS

1-02.1  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
(June 27, 2011 APWA GSP)

Delete this section and replace it with the following:

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

After award of the contract, plans and specifications will be issued to the Contractor at no cost as detailed below:

<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;)</td>
<td>10</td>
<td>Furnished automatically upon award.</td>
</tr>
<tr>
<td>Contract Provisions</td>
<td>10</td>
<td>Furnished automatically upon award.</td>
</tr>
<tr>
<td>---------------------</td>
<td>----</td>
<td>------------------------------------</td>
</tr>
<tr>
<td>Large plans (e.g., 22&quot; x 34&quot;)</td>
<td>0</td>
<td>Furnished at the Contractor's expense. $10.50 per sheet</td>
</tr>
</tbody>
</table>

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

1-02.4 Examination Of Plans, Specifications And Site Of Work

Section 1-02.4 is supplemented with the following:

(*****)
The original plans and building shop drawings may be viewed at the following location:

County Engineers Office
Yakima County Courthouse
128 N. 2nd St
Fourth Floor
Yakima, WA 98901

1-02.5 Proposal Forms
(June 27, 2011 APWA GSP)

Delete this section and replace it with the following:

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

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

1-02.7 Bid Deposit
(March 8, 2013 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.

If so stated in the Contract Provisions, cash will not be accepted for a bid deposit.

1-02.9 Delivery of Proposal
(August 15, 2012 APWA GSP, Option A)

Delete this section and replace it with the following:

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

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

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

1-02.13 Irregular Proposals
(March 13, 2012 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 Bid Proposal does not constitute a definite and unqualified offer to meet the material terms of the Bid invitation; or
   i. More than one proposal is submitted for the same project from a Bidder under the same or different names.

1-02.15 Pre Award Information
(August 14, 2013 APWA GSP)
Revise this section to read:

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

1-03 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, materialperson, 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 1-03.4 is supplemented with the following:

(June 27, 2011)
Release of Contract Bond will be 60 days following Contracting Agency Final Acceptance of Contract, provided following conditions are met:

1. Payment to the State with respect to taxes imposed pursuant to Title 82, RCW on Contracts totaling more than $35,000, a release has been obtained from the Washington State Department of Revenue.
2. Affidavits of Wages Paid for the Contractor and all Subcontractors are on file with the Contracting Agency (RCW 39.12.040).
3. A certificate of Payment of Contributions Penalties and Interest on Public Works Contract is received from the Washington State Employment Security Department.
4. Washington State Department of Labor and Industries (per Section 1-07.10) shows the
Contractor, Subcontractor(s) and any lower tier Subcontractor(s) are current with payments of industrial insurance and medical aid premiums.

5. All claims, as provided by law, filed against the Contract Bond have been resolved.

1-04 SCOPE OF THE WORK

1-04.2 Coordination of Contract Documents, Plans, Special Provisions, Specifications, and Addenda
(March 13, 2012 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,
4. Contract Plans,
5. Amendments to the Standard Specifications,
6. Standard Specifications,
7. Contracting Agency’s Standard Plans or Details (if any).

1-05 CONTROL OF WORK

1-05.7 Removal of Defective and Unauthorized Work
(October 1, 2005 APWA GSP)

Supplement this section with the following:

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

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

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

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

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

1-05.11 Final Inspection

Delete this section and replace it with the following:

1-05.11 Final Inspections and Operational Testing
(October 1, 2005 APWA GSP)

1-05.11(1) Substantial Completion Date

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

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

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

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

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

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

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

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

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

1-05.11(3) Operational Testing

It is the intent of the Contracting Agency to have at the Physical Completion Date a complete and operable system. Therefore when the work involves the installation of machinery or other mechanical equipment; street lighting, electrical distribution or signal systems; irrigation systems; buildings; or other similar work it may be desirable for the Engineer to have the Contractor operate and test the work for a period of time after final inspection but prior to the physical completion date. Whenever items of work are listed in the Contract Provisions for operational testing they shall be fully tested under operating conditions for the time period specified to ensure their acceptability prior to the Physical Completion Date. During and following the test period, the Contractor shall correct any items of workmanship, materials, or equipment which prove faulty, or that are not in first class operating condition. Equipment, electrical controls, meters, or other devices and equipment to be tested during this period shall be tested under the observation of the Engineer, so that the Engineer may determine their suitability for the purpose for which they were installed. The Physical Completion Date cannot be established until testing and corrections have been completed to the satisfaction of the Engineer.

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

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

1-05.13 Superintendents, Labor and Equipment of Contractor

(August 14, 2013 APWA GSP)

Delete the sixth and seventh paragraphs of this section.

1-05.15 Method of Serving Notices

(March 25, 2009 APWA GSP)

Revise the second paragraph to read:

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

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 State Taxes

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

1-07.2 State Sales Tax
(June 27, 2011 APWA GSP)

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

The Contractor shall include all Contractor-paid taxes in the unit bid prices or other contract amounts. In some cases, however, state retail sales tax will not be included. Section 1-07.2(2) describes this exception.
The Contracting Agency will pay the retained percentage (or release the Contract Bond if a FHWA-funded Project) only if the Contractor has obtained from the Washington State Department of Revenue a certificate showing that all contract-related taxes have been paid (RCW 60.28.051). The Contracting Agency may deduct from its payments to the Contractor any amount the Contractor may owe the Washington State Department of Revenue, whether the amount owed relates to this contract or not. Any amount so deducted will be paid into the proper State fund.

1-07.2(1) State Sales Tax — Rule 171

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

1-07.2(2) State Sales Tax — Rule 170

WAC 458-20-170, and its related rules, apply to the constructing and repairing of new or existing buildings, or other structures, upon real property. This includes, but is not limited to, the construction of streets, roads, highways, etc., owned by the state of Washington; water mains and their appurtenances; sanitary sewers and sewage disposal systems unless such sewers and disposal systems are within, and a part of, a street or road drainage system; telephone, telegraph, electrical power distribution lines, or other conduits or lines in or above streets or roads, unless such power lines become a part of a street or 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).

(June 27, 2011)

The Contracting Agency will release the Contract Bond only if the Contractor has obtained from the State Department of Revenue a certificate showing that all Contract-related taxes have been paid.

1-07.6 Permits And Licenses
Section 1-07.6 is supplemented with the following:

(******)

The Contractor shall be responsible for obtaining all permits necessary to construct the building.

All costs associated with obtaining the required building permits shall be incidental to the contract and are the responsibility of the Contractor. The Contractor shall include all related costs in the associated bid prices of the contract.

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.
1. Personal/Advertising Injury
2. Contractual Liability
3. Independent Contractors Liability
4. Stop Gap / Employers' Liability
5. Explosion, Collapse, or Underground Property Damage (XCU)
6. Blasting (only required when the Contractor's work under this Contract includes exposures to which this specified coverage responds)

Such policy must provide the following minimum limits:

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

Stop Gap / Employers' Liability

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

1-07.18(5)B Automobile Liability

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

- $1,000,000 combined single limit

1-07.18(5)C Workers' Compensation

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

1-08 PROSECUTION AND PROGRESS

Add the following new section:

1-08.0 Preliminary Matters
(May 25, 2006 APWA GSP)

Add the following new section:

1-08.0(1) Preconstruction Conference
(October 10, 2008 APWA GSP)

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

1. To review the initial progress schedule;
2. To establish a working understanding among the various parties associated or affected by the work;
3. To establish and review procedures for progress payment, notifications, approvals, submittals, etc.;
4. To establish normal working hours for the work;
5. To review safety standards and traffic control; and
6. To discuss such other related items as may be pertinent to the work.
The Contractor shall prepare and submit at the preconstruction conference the following:
1. A breakdown of all lump sum items;
2. A preliminary schedule of working drawing submittals; and
3. A list of material sources for approval if applicable.

1-08.4 Prosecution of Work

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

1-08.4 Notice to Proceed and Prosecution of Work
(June 27, 2011 APWA GSP)

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

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

1-08.5 Time for Completion

Section 1-08.5 is supplemented with the following:

(March 13, 1995)
This project shall be physically completed within 60 working days.

Revise the third and fourth paragraphs to read:

(August 14, 2013 APWA GSP, Option A)
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 is
approved to work 10 hours a day and 4 days a week (a 4-10 schedule) and the fifth day of the

TERRACE HEIGHTS LANDFILL IMPROVEMENTS
-YARD EXPANSION AND EQUIPMENT GARAGE

COUNTY PROJECT NO. SP 3553

SPECIAL PROVISIONS

SP-16
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 (per Section 1-07.9(5)).
   b. Material Acceptance Certification Documents
   c. Quarterly Reports of Amounts Credited as DBE Participation, as required by the Contract
      Provisions.
   d. Final Contract Voucher Certification
   e. Copies of the approved “Affidavit of Prevailing Wages Paid” for the Contractor and all
      Subcontractors
   f. Property owner releases per Section 1-07.24

1-08.9 Liquidated Damages

(August 14, 2013 APWA GSP)

Revise the fourth paragraph to read:

When the Contract Work has progressed to Substantial Completion as defined in the Contract,
the Engineer may determine that the work is Substantially Complete. The Engineer will notify the
Contractor in writing of the Substantial Completion Date. For overruns in Contract time occurring
after the date so established, the formula for liquidated damages shown above will not apply. For
overruns in Contract time occurring after the Substantial Completion Date, liquidated damages
shall be assessed on the basis of direct engineering and related costs assignable to the project
until the actual Physical Completion Date of all the Contract Work. The Contractor shall complete
the remaining Work as promptly as possible. Upon request by the Project Engineer, the
Contractor shall furnish a written schedule for completing the physical Work on the Contract.

1-09 MEASUREMENT AND PAYMENT

1-09.6 Force Account

(October 10, 2008 APWA GSP)

Supplement this section with the following:

The Contracting Agency has estimated and included in the Proposal, dollar amounts for all items
to be paid per force account, only to provide a common proposal for Bidders. All such dollar
amounts are to become a part of Contractor’s total bid. However, the Contracting Agency does
not warrant expressly or by implication that the actual amount of work will correspond with those
estimates. Payment will be made on the basis of the amount of work actually authorized by
Engineer.
1-09.9 Payments
(March 13, 2012 APWA GSP)

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

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

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

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

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

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

1. Unit Price Items in the Bid Form — the approximate quantity of acceptable units of work completed multiplied by the unit price.
2. Lump Sum Items in the Bid Form — based on the approved Contractor's lump sum breakdown for that item, or absent such a breakdown, based on the Engineer's determination.
3. Materials on Hand — 100 percent of invoiced cost of material delivered to Job site or other storage area approved by the Engineer.
4. Change Orders — entitlement for approved extra cost or completed extra work as determined by the Engineer.

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

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

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

1-09.13(3) Claims $250,000 or Less
(October 1, 2005 APWA GSP)

Delete this Section and replace it with the following:

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

1-09.13(3)A Administration of Arbitration
(October 1, 2005 APWA GSP)

Revise the third paragraph to read:

The Contracting Agency and the Contractor mutually agree to be bound by the decision of the
arbitrator, and judgment upon the award rendered by the arbitrator may be entered in the Superior
Court of 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.
2-02  Removal of Structures and Obstructions

Section 2-02.3 is supplemented with the following:

(February 17, 1998)

Removal of Obstructions

The following items shall be removed, disposed of, protected or reset as directed by the Engineering in accordance with the requirements of Section 2-02 of the Standard Specifications:

- Remove Fence 610 L.F.

The quantities are listed only for the convenience of the Contractor in determining the volume of work involved and are not guaranteed to be accurate. The prospective bidders shall verify these quantities before submitting a bid.

All material can be disposed on site as directed by the Owner. Concrete debris shall be broken into pieces three inches or less in size.
DIVISION 5
SURFACE TREATMENTS AND PAVEMENTS

5-04 Hot Mix Asphalt

5-04.3(3)A Material Transfer Device / Vehicle
(January 16, 2014 APWA GSP)

The first paragraph of this section is revised to read:

Additionally, a material transfer device or vehicle (MTD/V) is not required at the following locations:

- All Hot Mix Asphalt Locations

5-04.3(7)A2 Statistical or Nonstatistical Evaluation

Delete this section and replace it with the following:

5-04.3(7)A2 Nonstatistical Evaluation
(January 16, 2014 APWA GSP)

Mix designs for HMA accepted by Nonstatistical evaluation shall;
- Be submitted to the Project Engineer on WSDOT Form 350-042
- Have the aggregate structure and asphalt binder content determined in accordance with WSDOT Standard Operating Procedure 732 and meet the requirements of Sections 9-03.8(2) and 9-03.8(6).
- Have anti-strip requirements, if any, for the proposed mix design determined in accordance with WSDOT Test Method T 718 or based on historic anti-strip and aggregate source compatibility from WSDOT lab testing. Anti-strip evaluation of HMA mix designs utilized that include RAP will be completed without the inclusion of the RAP.

At or prior to the preconstruction meeting, the contractor shall provide one of the following mix design verification certifications for Contracting Agency review;

- The proposed mix design indicated on a WSDOT mix design/anti-strip report that is within one year of the approval date
- The proposed HMA mix design submittal (Form 350-042) with the seal and certification (stamp & signature) of a valid licensed Washington State Professional Engineer.
- The proposed mix design by a qualified City or County laboratory mix design report that is within one year of the approval date.

The mix design will be performed by a lab accredited by a national authority such as Laboratory Accreditation Bureau, L-A-B for Construction Materials Testing, The Construction Materials Engineering Council (CMEC)'s ISO 17025 or AASHTO Accreditation Program (AAP) and shall supply evidence of participation in the AASHTO Material Reference Laboratory (AMRL) program.

At the discretion of the Engineer, agencies may accept mix designs verified beyond the one year verification period with a certification from the Contractor that the materials and sources are the same as those shown on the original mix design.

5-04.3(8)A1 General

TERRACE HEIGHTS LANDFILL IMPROVEMENTS
-YARD EXPANSION AND EQUIPMENT GARAGE
COUNTY PROJECT NO. SP 3553
SPECIAL PROVISIONS
SP-21
Delete this section and replace it with the following:

Acceptance of HMA shall be as defined under nonstatistical or commercial evaluation.

Nonstatistical evaluation will be used for all HMA not designated as Commercial HMA in the contract documents.

The mix design will be the initial JMF for the class of HMA. The Contractor may request a change in the JMF. Any adjustments to the JMF will require the approval of the Project Engineer and must be made in accordance with Section 9-03.8(7).

Commercial evaluation may be used for Commercial HMA and for other classes of HMA in the following applications: sidewalks, road approaches, ditches, slopes, paths, trails, goes, prelevel, and pavement repair. Other nonstructural applications of HMA accepted by commercial evaluation shall be as approved by the Project Engineer. Sampling and testing of HMA accepted by commercial evaluation will be at the option of the Project Engineer. Commercial HMA can be accepted by a contractor certificate of compliance letter stating the material meets the HMA requirements defined in the contract.

5-04.3(8)A4 Definition of Sampling Lot and Sublot

Section 5-04.3(8)A4 is supplemented with the following:

For HMA in a structural application, sampling and testing for total project quantities less than 400 tons is at the discretion of the engineer. For HMA used in a structural application and with a total project quantity less than 800 tons but more than 400 tons, a minimum of one acceptance test shall be performed:

i. If test results are found to be within specification requirements, additional testing will be at the engineers discretion.

ii. If test results are found not to be within specification requirements, additional testing as needed to determine a CPF shall be performed.

5-04.3(8)A5 Test Results

The first paragraph of this section is deleted.

5-04.3(8)A6 Test Methods

Delete this section and replace it with the following:

Testing of HMA for compliance of Va will be at the option of the Contracting Agency. If tested, compliance of Va will be use WSDOT Standard Operating Procedure SOP 731. Testing for compliance of asphalt binder content will be by WSDOT FOP for AASHTO T 308. Testing for compliance of gradation will be by WAQTC FOP for AASHTO T 27/T 11.

5-04.5(1)B Price Adjustments for Quality of HMA Compaction
Delete this section and replace it with the following:

The maximum CPF of a compaction lot is 1.00.

For each compaction lot of HMA when the CPF is less than 1.00, a Nonconforming Compaction Factor (NCCF) will be determined. THE NCCF equals the algebraic difference of CPF minus 1.00 multiplied by 40 percent. The Compaction Price Adjustment will be calculated as the product of the NCCF, the quantity of HMA in the lot in tons and the unit contract price per ton of the mix.

5-04.4 Measurements

Section 5-04.4 is supplemented with the following:

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There will no specific measurement for sawcutting asphalt, this work shall be incidental to hot mix asphalt bid item.
DIVISION 6
STRUCTURES

>Add the following new section:

6-20 PREFABRICATED STEEL BUILDING

6-20.1 Description

Requirement. Contractor shall furnish all labor, materials and equipment, and perform all operations necessary to fabricate, erect and construct a prefabricated steel building including: all primary and secondary structural framing members, connection bolts, roof, louvers, roll-up and swinging doors, flashing, fasteners, closures, sealer, and other miscellaneous items as specified, or required by the contract drawings.

Building Details. The building width and length shall be measured from outside to outside face of the wall girts. The building eave height shall be measured from the bottom of the base channel to the intersection of lines representing the inside of the wall covering and the inside of the roof covering. The roof slope shall be four (1) inches of rise for each twelve (12) inches of horizontal run, unless shown or specified otherwise.

Type of Building. Building manufacturer must comply with requirements of the M.B.M.A. (Metal Building Manufacturer's Association) and an I.C.B.O. (International Conference of Building Officials) approved fabricator.

6-20.1(1) Quality Assurance

Design

All light gauge cold-formed, structural members, and exterior covering shall be designed in accordance with the latest edition of the AISI, "Specification for the Design of Light Gauge Cold-Formed Steel Structural Members."

Fabrication drawings and calculations for building shall be certified by a civil/structural engineer registered in the State of Washington.

Design Loads
1. Live Loads. Live loads shall be applied to the horizontal roof projection and shall be twenty (20) psf (non-reducible).

2. Wind Loads
   a) In the design of primary framing members, wind pressure shall be applied as prescribed by AISC publication "Plastic Design in Steel."

   The design wind pressure shall be 110 MPH - exposure "C".

   b) In the design of wall components, including girts and wall panels, the wind pressure shall be considered to act either inward or outward and shall be 100 MPH - exposure "C".

4. Snow Loads: Roof Snow Loads shall be twenty (20) psf.

Foundation Design

The design of the foundation shall be the responsibility of the Contractor. The floor design shown in the Contract plans is based on loads associated with anticipated equipment and material loads that will be stored in the building. The Contractor shall obtain final building structure loads from the building manufacturer based on the applicable codes and design data shown in the plans and special provisions, and shall review and modify all foundation dimensions and details as necessary to accommodate actual building loads. All foundation review and redesign shall be performed by a Professional Engineer licensed in the State of Washington, who shall stamp shop drawings for revised foundation plans and details.

The foundation design shall use an Allowable Soil Pressure of 1,500 psf.

6-20.1(2) Submittals

The Contractor shall submit fabrication drawings and calculations for the building and accessories, for approval prior to the construction of prefabricated steel building. Said drawings shall show the dimensions, arrangements of material, and all relevant details required for furnishing and construction of said building.

Shop drawings and design calculations shall be signed and stamped by a Registered Professional Engineer permanently employed by the manufacturer.

The Contractor shall provide a foundation plan, signed and stamped by a registered Profession Engineer in the State of Washington.

Complete sets of instructions for field procedures for erection and adjustment shall be provided prior to construction of the prefabricated steel building and installation of appurtenances.

6-20.1(3) Product Handling

PROTECTION:
All necessary means shall be used to protect materials specified under this Section from damage before, during and after installation. The work of other trades shall be adequately protected from damage resulting from work specified under this Section.

STORAGE AND HANDLING OF MATERIALS:
The Contractor shall exercise care in unloading, storing and erecting pre-engineered building components to prevent damage to material and shop finish. All steel shall be stored a minimum of four (4) inches above ground on adequate supports. Material shall be kept free from dirt, grease and other foreign matter. Clean steel of all dirt, grease and foreign matter prior to erection. Framing material shall be stored in such a manner that water will shed off material with no pockets for accumulation. Panels, insulation and trim shall be stored under watertight coverings at least four (4) inches above ground on adequate supports.

REPLACEMENTS:
In the event of damage to materials or work in place, all necessary repairs and replacements shall be immediately made to the satisfaction of the Engineer at no additional cost to the Owner. Damaged material shall be repaired or replaced at the option of the Engineer. Any rejected material shall be immediately removed from the jobsite and replaced by new material at no additional cost to the Owner.

6-20.2 Materials

6-20.2(1) Structural Framing

General
1. All framing members shall be shop fabricated for bolted field assembly.

2. Framing members include base channels, eave plates, girts, diagonal ties, struts, chords, tie straps, ridge ties, and ridge assembly, all being galvanized shapes as required by manufacturer.

3. All hot-rolled steel sheet, plate, and strip one-eighth (1/8) inch thick and thicker shall conform to the requirements of ASTM Specification A-36 (latest), except that the minimum yield point shall be 42,000 psi. All hot-rolled sheet and strip less than one-eighth (1/8) inch thick shall conform to the requirements of ASTM Specification A-245 (latest), Grade "D". In addition, 12-gauge, 14-gauge, and 16-gauge strip for the manufacture of structural sections shall have a minimum yield point of 50,000 psi and a minimum strength of 62,500 psi. Galvanized sheet and strip for structural framing members shall conform to ASTM Specification A-446 (latest), Grade "A", 1.25-oz. coating class.

4. Light gauge cold-formed sections shall be manufactured by precision roll or brake forming. All dimensions shall be true, and the formed member shall be free of fluting, buckling, or waviness.

5. All shop connections shall be by welding in accordance with the AWS "Standard Code for Welding in Building Construction." Welders and welding operators shall have been previously qualified as provided in this code. All flange-to-web welds shall be continuous submerged arc fillet welds. Other welds shall be by either the submerged or the shielded arc process. Butt welds in flange and web plates shall be full penetration.

6. All field connections shall be bolted. Bolts shall be machine bolts conforming to ASTM Specification A-307 (latest), or ASTM Specification A-325 (latest), as specified. A-325 bolts shall be tightened by the turn of the nut method. Where required, connections in secondary members shall be made with special one-half (1/2) inch oval head, high strength bolts with hex nuts.

Base Support
A continuous member shall be provided to which the base of the wall covering may be attached. This member shall be a galvanized base channel secured to the concrete floor with hooked anchor bolts. The base channel shall be chemically treated for paint adherence.

Framed Openings
Structural framing members for all openings shall be adequate for the specified design loads. Framing members which are exposed to the weather shall be galvanized steel. All framed openings shall be fully trimmed and flashed.
6-20.2(2) Roof and Walls

General
Roof covering and wall covering shall be 26-gauge (minimum) galvanized ribbed panels.
Exposed surfaces shall be factory color coated.
Metal framing shall be provided between the finish floor and up to 8'-0" above finished floor or to the first girt, as long as the framing is a minimum 7'-0" tall.

Fasteners
All bolts, nuts, and sheet metal screws shall be zinc-plated steel with a zinc chromate finish except anchor bolts and exposed sheet metal screws. Anchor bolts shall be black steel.
Exposed sheet metal screws shall be stainless steel, and outside screws below 8 ft in height shall be tamper resistant.

Installation of Roof and Wall Panels
1. Roof panels shall be continuous from ridge to eave.
2. Sidewall panels shall be continuous from the eave line to the base flashing.
3. Endwall panels shall be continuous from the roof line to the base flashing. All endlaps for endwall panels shall be a minimum of four (4) inches and shall occur at a wall girt.
4. Interior wall liner panels shall be continuous from the finish floor to a minimum 8'-0" above finished floor. A girt shall be within 6" to support the top of the liner panel.
5. All work shall be done per published recommendations of the building manufacturer.

Flashing, Closures, and Trim
1. Flashing and/or trim shall be furnished at the rake, corners, eaves, framed openings, and wherever necessary to provide weather tightness and a finished appearance.
2. Galvanized steel for flashing, metal closures, trim, and other miscellaneous uses shall conform to ASTM Specification A-361 (latest), 1.25-oz. coating class.
3. A 26-gauge (minimum) galvanized steel ridge cap, factory color coated, shall be provided along the building ridge.
4. Cap trim shall be supplied on the top of the interior wall liner panels.

Metal Framing
1. Framing members shall be cold-formed galvanized steel C-studs as per ASTM C 645
2. Studs, Tracks and Runners
   a. Flange Size: 1 ¼ Inch minimum
   b. Web Depth: 4 Inch minimum
   c. Thickness: 20 gauge minimum
3. Studs shall be spaced 12 inches on center and shall have web punch outs to run wiring through.
6-20.2(3) Hollow Metal Doors

Materials
Doors shall be flush type, of sizes and thickness shown, with not more than three thirty-second (3/32) inch clearance from frames. Where indicated, provide louver panels of sizes shown. Doors shall be fabricated from two (2) formed steel cover sheets of not less than 20-gauge thickness, rigidly locked together and internally reinforced with 20-gauge steel channel stiffeners extended vertically through full door length at approximate six (6) inch spacing. Stiffeners shall be spot-welded to cover sheets at not-to-exceed four (4) inch spacing. Top and bottom edges of doors shall be closed and reinforced with steel channel members extended full door width and welded full width. Jamb edges of doors shall be joined and reinforced with 10-gauge continuous steel strips extended full door length, offset at hinge locations and welded full length. Doors shall be filled with suitable material to insulate and reduce metallic sound.

Installation
Butts, locks and other mortise hardware, wherever practical, shall be applied at the factory. Hardware that is applied at the building shall first be fitted in the shop. Doors shall be hung with three thirty-second (3/32) inch clearance at jambs and heads. Butts shall be attached to exterior frames and doors in such a manner that butts cannot be removed from the outside. If butts are welded to frame, screwholes shall be filled and all welds shall be ground smooth.

Metal Door Frames
Pressed steel frames shall be of the dimension and profiles as shown on the plans and shall be fabricated from 16-gauge sheet steel. Corners shall be mitered and of unit type all-welded construction. Frames shall be prepared and provided with proper anchorage. Jamb anchors shall not exceed twenty four (24) inch spacing. Floor clips shall be spotwelded to inside of jamb and punched for floor anchorage.

Provisions of Hardware
In accordance with templates of hardware furnished, frames shall be neatly, accurately mortised and properly reinforced for hinges, locks, and other finish hardware; drilling and tapping shall be performed as required. For hinges, reinforcement shall be minimum 10-gauge steel; for other hardware, reinforcement shall be minimum 12-gauge steel. Reinforcing plates shall be spot-welded to interior surface of frames.

Installation
Frames and doors shall be installed in accordance with plans and shop drawings in a rigid, substantial manner and shall be square, plumb, and level.

6-20.2(4) Roll-Up Doors

Materials
Construction of rolling door shall conform to the following requirements:

1. Curtain shall be a continuous sheet of .027-inch (minimum) steel with galvanized coating and prime painted. Curtain shall be equipped with a full length steel angle, securely fastened to the bottom of the curtain for reinforcement and mounting of standard slidebolt locking device.

2. Door guides shall be roll-formed of 13-gauge (minimum) steel with galvanized coating and shall extend above the lintel so as to furnish support for bracket. Guides shall contain provisions to engage safety end locks to prevent the curtain from leaving the door guides.
Strips of heavy nap stripping shall be provided to give rattle-free operation and to provide
dust and weatherproofing.

3. Steel axle shall be steel pipe of sufficient strength to prevent distortion of the rolled door.

4. Curtain drum shall house all counterbalancing mechanism.

5. Springs shall be oil tempered steel of sufficient size to counterbalance the door in any
position.

6. Finish. All parts shall be given a factory applied rust inhibitive prime coat of paint. Any
abraded primed surfaces shall be touched up after erection.

Operation
Doors shall be manually operated with continuous chain on inside of wall. Door shall be
provided with chain holder with attached pin for inside locking.

6-20.2(5) Door Hardware

General
All doors in the entire project shall have locksets that will always open from the inside by the
simple turn of a knob without the use of a key or any special knowledge or effort.

Hand of lock shall be as indicated on the drawings. If door hand is changed during
construction, Contractor shall make necessary changes in hardware at no additional cost to
the County.

Materials
Base metals shall be steel or bronze. The exposed surfaces of all items of finish hardware,
shall be dull chrome, US-26D finish. Fastenings of suitable size, quality, and type shall be
provided to secure hardware in position. Machine screws and expansion shields shall be
provided for securing items of hardware to concrete, tile, or masonry. Butt hinges shall have
button tips. Lock trim shall be Schlage-Ply design or equal. Metal thresholds shall be of the
extruded aluminum type. Strikes for locks shall be the wrought box type with curved lips of
proper length to protect trim. All butts shall have three (3) butts for each leaf. Hollow metal
doors exposed to the exterior shall have a set screw pin with bronze ball bearing butts.

Keying and Master Keying.
All locksets, padlocks, and cylinders shall be keyed to Yakima County Solid Waste Division
master key.

6-20.2(6) Shop Coatings

Galvanized Structural Framing
All structural framing members and all other steel accessories that are galvanized and
chemically treated for paint adherence and which are not factory color coated shall first
receive one (1) coat of Galvanized Metal Primer conforming to Federal Specification TT-P-
641b, Type II, then painted with two (2) coats of Industrial Enamel approved by the County,
within forty eight (48) hours after the prime coat is applied.

Structural Framing Not Galvanized

TERRACE HEIGHTS LANDFILL IMPROVEMENTS
-YARD EXPANSION AND EQUIPMENT GARAGE
COUNTY PROJECT NO. SP 3553
SPECIAL PROVISIONS
SP-29
All structural framing members and miscellaneous steel accessories which are not galvanized shall be cleaned to remove all dirt, grease, oil, and loose mill scale, given one (1) shop coat of zinc chromate iron oxide primer conforming to Federal Specification TT-P-636b, and field painted, prior to erection, with two (2) coats of Industrial Enamel approved by the County.

Exposed Galvanized Surfaces
All roof and wall panels, flashing, trim, and other exposed galvanized steel surfaces shall be factory color coated with a twenty (20) year guarantee.

Doors
Any required doors shall first receive one (1) coat of Galvanized Metal Primer, then be factory color coated with two (2) coats of Industrial Enamel as manufactured by Ditzler, DuPont, Pittsburgh Paints, or approved equal, within forty eight (48) hours after the prime coat is applied.

Color and Paint Schedule
All colors for all finish painted surfaces shall be as follows unless otherwise specified.

- General Grey
- Exterior Walls Grey
- Interior Wall Panels White
- Trim and Doors Crimson
- Exterior Roof Crimson

6-20.2(7) Concrete Foundation
Materials shall meet the requirements of the following sections:
Cement 9-01
Aggregates for Portland Cement Concrete 9-03.1
Gravel Backfill 9-03.12
Premolded Joint Filler 9-04.1(2)
Joint and Crack Sealing Materials 9-04
Steel Reinforcing Bar 9-07.2
Concrete Curing Materials and Admixtures 9-23
Fly Ash 9-23.9
Water 9-25

General
Cast-in-place concrete for concrete slab shall be formed, reinforced, cast, cured, and finished in accordance with Section 6-02 of the Standard Specifications. All cast-in-place concrete shall be Class 4000.

The Contractor shall provide a floated and nonslip medium broom finish. Immediately after float finish, slightly roughen concrete surface by brooming with fiber-bristle broom perpendicular to garage door openings.

6-20.2(9) Grounding
Materials
Wire and Cable:
- Bare conductors: Soft drawn stranded copper meeting ASTM B8.
Ground Rods:
- 3/4in dia.x10ft length.
- Copperclad:
  - Heavy uniform coating of electrolytic copper molecularly bonded to a rigid steel core.
  - Corrosion resistant bond between the copper and steel.
  - Hard drawn for a scar-resistant surface.

Grounding Clamps, Connectors and Terminals:
- Mechanical type:
  - Standards: UL 467.
  - High copper alloy content.
- Compression type for interior locations:
  - Standards: UL 467.
  - High copper alloy content.
  - Non-reversible.
  - Terminals for connection to bus bars shall have two bolt holes.
- Compression type suitable for direct burial in earth or concrete:
  - Standards: UL 467, IEEE 837.
  - High copper alloy content.
  - Non-reversible.

Exothermic Weld Connections;
- Copper oxide reduction by aluminum process.
- Molds properly sized for each application.

General
Contractor shall ground the steel building. Contractor shall size the grounding conductors and bonding jumpers in accordance with National Fire Protection Association (NFPA) 70: National Electrical Code, Article 205.

The grounding system shall consist of a ground ring, with ground rods and a grounding conductor looped around the structure. Ground rods shall be placed at a minimum of 10ft from the structure foundation and 2.5ft below grade. Provide a minimum of four (4) ground rods placed at the corners of the structure and additional rods so that the maximum distance between ground rods does not exceed 50 ft. Metal support columns shall be bonded to the ground ring.

Remove paint, rust, or other nonconductive material from contact surfaces before making ground connections. Where ground conductors pass through floor slabs provide non-metallic sleeves. Splicing grounding conductors is only allowed at ground rods.

Ground rods and grounding conductors shall be installed in undisturbed, firm soil. Use driving studs or other suitable means to prevent damage to threaded ends of section rods. Connect conductors to ground rods with compactor type connectors or exothermic weld. Provide sufficient slack in grounding conductor to prevent conductor breakage during backfill or due to ground movement.

6-20.3 Construction Requirements

6-21.3(1) Excavation and Foundation Preparation

Excavation shall conform to Section 2-09.3(3), and to the limits and construction stages
shown in the Plans. Foundation soils found to be unsuitable shall be removed and replaced in accordance with Section 2-09.3(1)C of the Standard Specifications.

6-20.3(2) Examination and Preparation of Surfaces

Before commencing pre-engineered metal building erection, the Contractor shall check all governing measurements and elevations of all construction upon which proper erection is dependent. Any discrepancies shall be corrected before erection is started. Discrepancies shall be brought to the attention of the Engineer in writing.

Check all anchor bolts for proper placement and projection prior to commencing pre-engineered metal building erection. Report any discrepancies to the Engineer in writing.

6-20.3(3) Installation and Workmanship

General
All work shall be installed and erected in strict accordance with the pre-engineered metal building manufacturer’s standard details and approved shop drawings.

Erection
Erect all pre-engineered metal buildings in accordance with the requirements of applicable codes, approved shop drawings, manufacturer’s specifications and standard specifications listed herein before.

Sequencing and Scheduling
Wall panels and roof panels shall not be installed on the steel frame until the frame is plumb, at proper elevation and the connections completed, tested, and finally reviewed by the Engineer.

Touch-up Painting
After testing and inspection, all bolt heads, welds, member marks, abrasions and other areas lacking shop coat of paint shall be neatly touch-up painted with same type and color paint as used for shop coat. Any and all areas where shop paint is peeling or scaling shall be sand blasted, cleaned, and repainted with specified primer in field prior to finish painting.

Welds shall be cleaned of all slag with a chipping hammer and/or wire brush to a bright condition prior to touch-up painting. All rust shall be removed prior to application of touch-up paint to any area.

Field Adjustments
Field correcting of fabrication by flame cutting shall not be permitted on any member in the structure without the approval of the Engineer. The use of burned holes for bolted connections will under no circumstances be accepted. Violation of this paragraph will be sufficient cause for rejection of altered members.

No field adjustments other than normal drifting and reaming shall be made without prior consent and approval of the Engineer.

6-20.3(4) Field Quality Control

Field Testing
An independent testing laboratory acceptable to the Engineer shall be employed by the Contractor to perform the following:
a. Qualification of field high strength bolting procedures, field welding procedures and associated personnel.

b. Testing of high strength bolt tension.

c. Visual inspection of all field welds in accordance with Section 6, Article 605, of the AWS Code.

At least one bolt in each high strength bolted connection having four bolts or more shall be checked for proper bolt tension by the testing laboratory. At least one bolt in one-third of all high strength bolted connections having less than four bolts shall be checked for proper bolt tension by the testing laboratory. If test bolt tension is not proper, all bolts in that connection shall be checked for improper bolt tension. If more than five (5) percent of connections checked have improper bolt tension, all high strength bolts shall be checked for proper tension on the entire project.

**Inspection**

The Engineer shall be notified and given an opportunity to inspect the completely erected steel frame prior to installation of roof panels or wall panels.

The Contractor shall afford the Engineer whatever casual labor, platforms, ladders or other access as may be required for proper field review of the work. Such field review shall not relieve the Contractor of his responsibility to furnish materials and workmanship in accordance with the drawings and specifications.

**6-20.4 Measurement**

No specific unit of measurement will apply to the lump sum items for the prefabricated steel building.

**6-20.5 Payment**

Payment will be made in accordance with Section 1-04.1, for each of the following Bid items that are included in the Proposal:

"Prefabricated Steel Building", lump sum.

The lump sum Contract price for "Prefabricated Steel Building," shall be full pay for performing the work as specified, including engineering, shop drawings, submittals, anchor bolts, concrete and steel reinforcement needed for building foundation, grounding, and supplying and installing a prefabricated steel building including all doors and gutters.

"Building Floor Slab", per square yard.

The unit Contract price per square yard for "Building Floor Slab," shall be full pay for performing the work as specified, including excavation, grade and compaction of subgrade, grade and compaction of crushed surfacing top course, backfill, rebar installation, place and finish Class 4000 concrete (depth=0.5ft) and sawcut and seal contraction joints.
DIVISION 7
MISCELLANEOUS CONSTRUCTION

7-09 WATER MAINS

7-09.4 Measurement

Section 7-09.4 is supplemented with the following:

(*****)
There will be no measurement for crushed surfacing base course used for trench backfill.
Trench backfill (CSBC) shall be incidental to the water main installation.

7-14 HYDRANTS

7-14.3 Construction Requirements

7-14.3(1) Setting Hydrants

Section 7-14.3(1) is supplemented with the following:

(*****)
Yard hydrant drain shall waste into a pit of porous gravel material situated at the base of the
hydrant up to minimum of 3 inches above the drain valve, to insure adequate drainage.

7-14.4 Measurements

Section 7-14.4 is supplemented with the following:

(*****)
Measurement of yard hydrants will be made per each.

7-14.5 Payment

Section 7-14.5 is supplemented with the following:

(*****)
"Yard Hydrant", per each.

The unit Contract price per each for "Yard Hydrant" shall be full pay for all Work to furnish and
install yard hydrant assemblies, including all excavation, drain rock, pipe connecting to the
main line, backfill, compaction for the complete installation of the yard hydrant.
DIVISION 8
MISCELLANEOUS CONSTRUCTION

8-12  CHAIN LINK FENCE AND WIRE FENCE

8-12.3  Construction Requirements

Section 8-12.3 is supplemented with the following:

(******)
The existing fence to be removed, the Contractor may salvage and reuse the fence material for the new fence. The Contractor must provide a secured fence perimeter during non working hours.

8-12.5  Payment

Section 8-12.5 is supplemented with the following:

(******)
Chain Link Fence", per linear foot.

The unit Contract price per linear foot for “Chain Link Fence” shall be full payment for all costs for the specified Work including brace posts and barb wire installation, and all other requirements of Section 8-12 for Chain Link Fence, unless covered in a separate Bid Item.

8-20  ILLUMINATION, TRAFFIC SIGNAL SYSTEMS, INTELLIGENT TRANSPORTATION SYSTEMS, AND ELECTRICAL

8-20.1  Description

Section 8-20.1 is replaced with the following:

This Work consists of furnishing, installing and field testing all materials and equipment necessary to complete in place, fully functional systems in accordance to approved methods, the Plans, the Standard Specifications, and the Special Provisions:

1. Building Power and Lighting System
2. Outdoor Power and Lighting System

Plans are diagrammatic and indicate general arrangements of systems and equipment, except when specifically dimensioned or detailed. The intention of the plans is to show size, capacity, approximated location, direction and general relationship of one work phase to another, but not exact detail or arrangement.

8-20.3  Construction Requirements

Section 8-20.3 is supplemented with the following:

The Contractor shall coordinate and provide all permits, licenses, approvals, inspections by the authority having jurisdiction and other arrangements for work on this project and all fees shall be paid for by the Contractor. The Contractor shall include these fees in the bid price.
Provide all electrical work in accordance with latest edition of National Electrical Code,
National Electrical Safety Code, Washington State Electrical Code, and local ordinances. If
any conflict occurs between government adopted code rules and these specifications, the
codes are to govern. All electrical products shall bear a label from a certified testing
laboratory recognized by the State of Washington. Recognized labels in the State of
Washington are UL, ETL, and CSA-US.

Plans indicate the general location and number of the electrical equipment items. When
raceway, boxes, and ground connections are shown, they are shown diagrammatically only
and indicate the general character and approximate location. Layout does not necessarily
show the total number of raceways or boxes for the circuits required. Furnish, install, and
place in satisfactory condition all raceways, boxes, conductors and connections, and all of the
materials required for the electrical systems shown or noted in the contract documents
complete, fully operational, and fully tested upon the completion of the project.

The Contractor shall maintain a complete and accurate record set of Plans for the electrical
construction work. Continually record actual electrical system(s) installation on a set of prints
kept readily available at the project during construction for this purpose alone. Accurately
locate all raceways and circuit number of each equipment item. At the completion of the work,
furnish a set of clean, neat, and accurate record plans which shows raceway type, routing,
and conductors for every outlet and every circuit.

8-20.4 Measurement

Section 8-20.4 is supplemented with the following:

No specific unit of measurement will apply to the lump sum items for the electrical work inside
and outside of the building.

8-20.5 Payment

Section 8-20.5 is supplemented with the following:

Payment will be made in accordance with Section 1-04.1, for each of the following Bid items
that are included in the Proposal:

"Building Power and Lighting", lump sum.

The lump sum Contract price for "Building Power and Lighting," shall be full pay for the
construction of the complete indoor and outdoor electrical/illumination system attached to the
building.

"Outdoor Power and Lighting", lump sum.

The lump sum Contract price for "Outdoor Power and Lighting," shall be full pay for performing
the work as specified for the complete outdoor electrical/illumination system for the yard,
including the service connection from the building to the Pacific Power and Light (PP&L)
power pole.

(*****)

Add the following new section:

8-26 BOLLARDS

TERRACE HEIGHTS LANDFILL IMPROVEMENTS
-YARD EXPANSION AND EQUIPMENT GARAGE

COUNTY PROJECT NO. SP 3553

SPECIAL PROVISIONS

SP-36
8-26.1 Description

This work shall consist of furnishing and installing steel bollards in accordance with the Plans, Standard Plans, and these Specifications, at the locations shown in the Plans or as staked by the Engineer.

8-26.2 Materials

Posts and Hardware
Bollard posts shall be ASTM A 53, schedule 40 steel pipe.

Bollard posts shall be steel structural tubing per ASTM A 500 Gr B.

Steel plate shall be per ASTM A 36.

All steel parts shall be hot-dip galvanized after fabrication in accordance with AASHTO M 111.

Reflective Tape
Reflective tape shall be one of the following or an approved equal:
Scotchlite High Intensity Grade Series 2870
Reflexite AP-1000
Scotchlite Diamond Grade LDP Series 3970
T-6500 High Intensity (Type IV)

Concrete
Footings shall be constructed using concrete Class 3000.

8-26.3 Construction Requirements

Bollards shall be constructed in accordance with the Contract Plans.

Bollards shall not vary more than 1/2 inch in 30 inches from a vertical plane.

Bollard posts and the exposed parts of the base assembly shall be painted in accordance with Section 6-07.3(11) for galvanized surfaces. The top coat shall match Federal Standard 595, Color No. 33538 Traffic Signal Yellow.

8-26.4 Measurement

Measurement for bollards will be by the unit for each type of bollard furnished and installed.

8-26.5 Payment

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

"Bollard ", per each.
DIVISION 9
MATERIALS

9-29
ILLUMINATION, SIGNAL, ELECTRICAL

9-29.10 Luminaires

Section 9-29.10 is supplemented with the following:

Luminaires installed on utility poles shall be GE Lighting EAS series LED area light.

- GE Lighting Model Number: EAS-B-0-J4-F-5-40-1-B-BLCK-C
  Mounting height and locations of the luminaires mounted on utility poles shall be as shown in the contract plans.

Luminaires installed on the building over the garage doors and man doors shall be as the following:

- Over garage doors. GE Lighting Model Number: EWSW-0-D3-N-40-A-1-N-BLCK

Luminaires installed inside the building shall be Low Bay LED as listed below, or approved equal.

- GE Lighting Model Number: ABV1-0-2-T-47-D-N-V-42-B-N-W
  Contractor may propose different luminaires and spacings inside the building. However, average illuminance inside the building shall be at least 70 foot-candle. Contractor shall submit luminaire specs, mounting height, mounting types and spacing for approval by the Engineer prior to placing the order.

Conductors between the service panel and luminaires shall not be exposed. Use rigid galvanized steel (RGS) conduit for all raceways.

(******)
Add the following new section:

9-29.10(3) Electrical Receptacle

All Receptacles shall be heavy duty weatherproof, NEMA 5-20R.
Receptacles installed outdoor shall be housed in die cast NEMA 3R weatherproof box with lockable cover. The Contractor shall submit shop drawings for approval by the Engineer prior to placing the order.

9-29.24 Service Cabinets

Section 9-29.24 is supplemented with the following:

(******)
Electrical enclosure and load center shall be NEMA 3R 120/240VAC, single phase with a minimum of 20 spaces capacity. The electrical enclosure shall be wall-mounted and installed inside the building. Main circuit, branch circuit breakers and service disconnect shall be sized by the contractor certified electrician. The contractor shall submit worksheet showing all calculations for main breaker and branch breakers sizing to the engineer for approval.
Service disconnect and meter base shall meet Pacific Power and Light (PP&L) requirements. The Contractor shall submit shop drawings for approval by the Engineer prior to placing the order.

APPENDICES
(January 2, 2012)

The following appendices are attached and made a part of this contract:

APPENDIX A - PREVAILING WAGE RATES
Washington State - Yakima County
Benefit Code Key
Supplement to Wage Rates

APPENDIX B – Standard Plans
(August 4, 2014)
Standard Plans

The State of Washington Standard Plans for Road, Bridge and Municipal Construction M21-01 transmitted under Publications Transmittal No. PT 14-046, effective August 4, 2014 is made a part of this contract.

The Standard Plans are revised as follows:

A-50.10
Sheet 2 of 2, Plan, with Single Slope Barrier, reference C-14a is revised to C-70.10

A-50.20
Sheet 2 of 2, Plan, with Anchored Barrier, reference C-14a is revised to C-70.10

A-50.30
Sheet 2 of 2, Plan (top), reference C-14a is revised to C-70.10

A-60.10
Sheet 2, Section B, callout, WAS-“New Tie Bar ~ #5 x 30” (IN) Epoxy Coated Reinforcing Bar” is revised to read: “New Tie Bar ~ #5 x 30” (IN)”

B-10.20 and B-10.40
Substitute “step” in lieu of “handhold” on plan

B-15.60
Table, Maximum Knockout Size column, 120" Diam., 42" is revised to read; 96"

B-25.20
Add Note 7. See Standard Specification Section 8-04 for Curb and Gutter requirements

B-55.20
Metal Pipe elevation, title is revised to read; “Metal Pipe and Steel Rib Reinforced Polyethylene Pipe”

B-90.40
Offset & Bend details, add the subtitle, “Plan View” above titles
C-16a
Note 1, reference C-28.40 is revised to C-20.10

C-16b
Note 3, reference C-28.40 is revised to C-20.10

F-10.12
Section Title, was – “Depressed Curb Section” is revised to read: “Depressed Curb and Gutter Section”

G-50.10
Delete – Plan View (bottom center of sheet)
Delete – Mounting Bracket and Steel Strap Detail

G-60.10
Sheet 4, Screen Detail, callout – “drill and Tap for ¼” diameter Cap Screw – Spacing approx. 9” o.c. ASTM F593, w/S.S. washer Liberally coat the threads with Anti-seize compound (TYP.)” is revised to read: “Drill and Tap ¼” (IN) Diam. x 1” (IN) Cap Screw with washer – space approx. 9” o.c. – Liberally coat threads with Anti-seize compound (TYP.)”

Add Boxed note: * Bolts, Nuts, and washers ~ ASTM F593 or A193 Type 304 or Type 316 Stainless Steel (S.S.)

G-60.20
Side View, callout, “Anchor Rod ~ 1-3/4” Diam. x 4’-4” Threaded 8” Min. Each End; W/ 2 Washers & 4 Heavy Hex Nuts ~ Galvanize Exposed Anchor Rod End for 1’-0” Min.” is revised to read; “Anchor Rod ~ 1-3/4” Diam. x 4’-4” Threaded 8” Min. Each End; W/ 2 Washers & 6 Heavy Hex Nuts ~ Galvanize Exposed Anchor Rod End for 1’-0” Min.”

G-60.30
End View, callout, “Anchor Rod ~ 1-3/4” Diam. x 4’-4” Threaded 8” Min. Each End; W/ 2 Washers & 4 Heavy Hex Nuts ~ Galvanize Exposed Anchor Rod End for 1’-0” Min.” is revised to read; “Anchor Rod ~ 1-3/4” Diam. x 4’-4” Threaded 8” Min. Each End; W/ 2 Washers & 6 Heavy Hex Nuts ~ Galvanize Exposed Anchor Rod End for 1’-0” Min.”

G-70.10
Sheet 4, Screen Detail, callout – “drill and Tap for ¼” diameter Cap Screw – Spacing approx. 9” o.c. ASTM F593, w/S.S. washer Liberally coat the threads with Anti-seize compound (TYP.)” is revised to read: “Drill and Tap ¼” (IN) Diam. x 1” (IN) Cap Screw with washer – space approx. 9” o.c. – Liberally coat threads with Anti-seize compound (TYP.)”

Add Boxed note: * Bolts, Nuts, and washers ~ ASTM F593 or A193 Type 304 or Type 316 Stainless Steel (S.S.)

H-70.20
Sheet 2, Spacing Detail, Mailbox Support Type 1, reference to Standard Plan H-70.10 is revised to H-70.10

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…”
Sheet 2 of 2, Plan View of Service Cabinet Notes, references to Std. Plan J-9a are revised to J-60.05 (3 instances).

Sheet 2 of 2, "Right Side of Service Cabinet" detail, callout, "1 5/8" x 2 7/16" 12 GA. SLOTTED STEEL CHANNEL BRACKETS (3 REQ'D), EMBED 12" MIN. IN FOUNDATION.
Is revised to read: "1-5/8" x 3-1/4", 12 GA. BACK TO BACK SLOTTED STEEL CHANNEL BRACKETS (3 REQ'D), EMBED 12" MIN. IN FOUNDATION"

J-10.22
Key Note 4, "Test with (SPDT Snap Action, Positive close 15 Amp - 120/277 volt "T" rated). Is revised to read: "Test Switch (SPDT snap action, positive close 15 amp - 120/277 volt "T" rated)."

J-22.15
Ramp Meter Signal Standard, elevation, dimension 4' - 6" is revised to read; 6'-0"

J-28.70
Detail C, dimension, 2" MAX. is revised to read: 1" MAX.
Detail D, dimension, 2" MAX. is revised to read: 1" MAX.

J-29.10
Galvanized Welded Wire Mesh detail, callout - "Drill and Tap for ¼" Diam. Cap Screw, 3 Places, @ 9" center, all 4 edges S.S. Screw, ASTM F593 and washer"
Is revised to read;
"Drill and Tap ¼" (IN) Diam. x 1" (IN) Cap Screw with washer ~ space approx., 9" O.C. ~ Liberally coat threads with Anti-seize compound (TYP.)"
Add Boxed note: * Bolts, Nuts, and washers ~ ASTM F593 or A193 Type 304 or Type 316 Stainless Steel (S.S.)

J-29.15
Title, "Camera Pole Standard" is revised to read; "Camera Pole Standard Details"

J-29.16
Title, "Camera Pole Standard Details" is revised to read; "Camera Pole Details"

J-60.14
All references to J-16b (6x) are revised to read; J-60.11

J-90.10
Section B, callout, "Hardware Mounting Rack ~ S. S. 1-5/8" Slotted Channel" is revised to read:
"Hardware Mounting Rack (Typ.) ~ Type 304 S. S. 1-5/8" Slotted Channel"

J-90.20
Section B, callout, "Hardware Mounting Rack (Typ.) ~ S. S. 1-5/8" Slotted Channel" is revised to read: "Hardware Mounting Rack (Typ.) ~ Type 304 S. S. 1-5/8" Slotted Channel"

K-80.10
Sign Installation (Fill Section), dimension, 6' TO 12' MIN. is revised to read: 12' MIN.
Sign Installation (Sidewalk and Curb Section), dimension, 6' TO 12' MIN. is revised to read: 12' MIN.
Sign Installation (Behind Traffic Barrier Section), Delete dimensions - 6' TO 12' MIN. and 6' MIN.
Sign with Supplemental Plaque Installation (Fill Section), dimension, 6' TO 12' MIN. is revised to read: 12' MIN.
Sign Installation (Ditch Section), dimension, 6' TO 12' MIN. is revised to read: 12' MIN. Delete dimension – 6' MIN.

K-80.30

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

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

A-10.10-00......8/7/07
A-30.35-00......10/12/07
A-50.20-01......9/22/09
A-10.20-00......10/5/07
A-40.00-00......8/11/09
A-50.30-00......11/17/08
A-10.30-00......10/5/07
A-40.10-02......6/2/11
A-50.40-00......11/17/08
A-20.10-00......8/31/07
A-40.15-00......8/11/09
A-60.10-02......6/17/14
A-30.10-00......11/8/07
A-40.20-02......5/29/13
A-60.20-02......6/2/11
A-30.15-00......11/8/07
A-40.50-01......6/2/11
A-60.30-00......11/8/07
A-30.30-01......6/16/11
A-50.10-00......11/17/08
A-60.40-00......8/31/07

B-5.20-01......6/16/11
B-30.50-01......4/26/12
B-75.20-01......6/10/08
B-5.40-01......6/16/11
B-30.70-03......4/26/12
B-75.50-01......6/10/08
B-5.60-01......6/16/11
B-30.80-00......6/8/06
B-75.60-00......6/8/06
B-10.20-01......2/7/12
B-30.90-01......9/20/07
B-80.20-00......6/8/06
B-10.40-00......6/1/06
B-35.20-00......6/8/06
B-80.40-00......6/1/06
B-10.60-00......6/8/06
B-35.40-00......6/8/06
B-82.20-00......6/1/06
B-15.20-01......2/7/12
B-40.20-00......6/1/06
B-85.10-01......6/10/08
B-15.40-01......2/7/12
B-40.40-01......6/1/06
B-85.20-00......6/1/06
B-15.60-01......2/7/12
B-45.20-00......6/1/06
B-85.30-00......6/1/06
B-20.20-02......3/16/12
B-45.40-00......6/1/06
B-85.40-00......6/8/06
B-20.40-03......3/16/12
B-50.20-00......6/1/06
B-85.50-01......6/10/08
B-20.60-03......3/15/12
B-55.20-00......6/1/06
B-90.10-00......6/9/06
B-25.20-01......3/15/12
B-60.20-00......6/8/06
B-90.20-00......6/8/06
B-25.60-00......6/1/06
B-60.40-00......6/1/06
B-90.30-00......6/8/06
B-30.10-01......4/26/12
B-65.20-01......4/26/12
B-90.40-00......6/8/06
B-30.20-02......4/26/12
B-65.40-00......6/1/06
B-90.50-00......6/8/06
B-30.30-01......4/26/12
B-70.20-00......6/1/06
B-95.20-01......2/3/09
B-30.40-01......4/26/12
B-70.60-00......6/1/06
B-95.40-00......6/8/06

C-1..........................6/16/11
C-6..........................5/30/97
C-23.60-03......6/11/14
C-1a..........................10/14/09
C-6a..........................10/14/09
C-24.10-01......6/11/14
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TERRACE HEIGHTS LANDFILL IMPROVEMENTS
-YARD EXPANSION AND EQUIPMENT GARAGE
COUNTY PROJECT NO. SP 3553
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TERRACE HEIGHTS LANDFILL IMPROVEMENTS
- YARD EXPANSION AND EQUIPMENT GARAGE

COUNTY PROJECT NO. SP 3553

SPECIAL PROVISIONS

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APPENDIX A

PREVAILING WAGE RATES

Washington State – Yakima County
Benefit Code Key
Supplement to Wage Rates
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:
10/29/2014

<table>
<thead>
<tr>
<th>County</th>
<th>Trade</th>
<th>Job Classification</th>
<th>Wage</th>
<th>Holiday</th>
<th>Overtime</th>
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<td>Truck Crane Oilier/driver Under 100 Tons</td>
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<td>Yakima</td>
<td>Power Equipment Operators - Underground Sewer &amp; Water Cranes: 100 Tons Through 199 Tons, Or 150' Of Boom (Including Jib With Attachments)</td>
<td>$55.79</td>
<td>7A</td>
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<td>7A</td>
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<td>7A</td>
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<td>7A 3C 8P</td>
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<td>Drill Oliers: Auger Type, Truck Or Crane Mount</td>
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<td>Power Equipment Operators - Underground Sewer &amp; Water</td>
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<td>7A 3C 8P</td>
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<td>Elevator And Man-lift: Permanent And Shaft Type</td>
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<td>7A 3C 8P</td>
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<td>Power Equipment Operators - Underground Sewer &amp; Water</td>
<td>Finishing Machine, Bidwell And Gamaco &amp; Similar Equipment</td>
<td>$54.75</td>
<td>7A 3C 8P</td>
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<td>Forklift: 3000 Lbs And Over With Attachments</td>
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<td>Forklifts: Under 3000 Lbs. With Attachments</td>
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<td>Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards</td>
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<td>Hydrolifts/boom Trucks Over 10 Tons</td>
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<td>Hydrolifts/boom Trucks, 10 Tons And Under</td>
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<td>Loader, Overhead, 6 Yards But Not Including 8 Yards</td>
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<td>$20.00</td>
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<td></td>
</tr>
<tr>
<td>Yakima</td>
<td>Telephone Line Construction - Outside</td>
<td>Cable Splicer</td>
<td>$36.96</td>
<td>5A</td>
<td>2B</td>
</tr>
<tr>
<td>Yakima</td>
<td>Telephone Line Construction - Outside</td>
<td>Hole Digger/Ground Person</td>
<td>$20.49</td>
<td>5A</td>
<td>2B</td>
</tr>
<tr>
<td>Yakima</td>
<td>Telephone Line Construction - Outside</td>
<td>Installer (Repairer)</td>
<td>$35.40</td>
<td>5A</td>
<td>2B</td>
</tr>
<tr>
<td>Yakima</td>
<td>Telephone Line Construction - Outside</td>
<td>Special Aparatus Installer I</td>
<td>$36.96</td>
<td>5A</td>
<td>2B</td>
</tr>
<tr>
<td>Yakima</td>
<td>Telephone Line Construction - Outside</td>
<td>Special Aparatus Installer II</td>
<td>$36.19</td>
<td>5A</td>
<td>2B</td>
</tr>
<tr>
<td>Yakima</td>
<td>Telephone Line Construction - Outside</td>
<td>Telephone Equipment Operator (Heavy)</td>
<td>$36.96</td>
<td>5A</td>
<td>2B</td>
</tr>
<tr>
<td>Yakima</td>
<td>Telephone Line Construction - Outside</td>
<td>Telephone Equipment Operator (Light)</td>
<td>$34.34</td>
<td>5A</td>
<td>2B</td>
</tr>
<tr>
<td>Yakima</td>
<td>Telephone Line Construction - Outside</td>
<td>Telephone Lineperson</td>
<td>$34.34</td>
<td>5A</td>
<td>2B</td>
</tr>
<tr>
<td>Yakima</td>
<td>Telephone Line Construction - Outside</td>
<td>Television Groundperson</td>
<td>$19.45</td>
<td>5A</td>
<td>2B</td>
</tr>
<tr>
<td>Yakima</td>
<td>Telephone Line Construction - Outside</td>
<td>Television Lineperson/Installer</td>
<td>$25.89</td>
<td>5A</td>
<td>2B</td>
</tr>
<tr>
<td>Yakima</td>
<td>Telephone Line Construction - Outside</td>
<td>Television System Technician</td>
<td>$30.97</td>
<td>5A</td>
<td>2B</td>
</tr>
<tr>
<td>Yakima</td>
<td>Telephone Line Construction - Outside</td>
<td>Television Technician</td>
<td>$27.77</td>
<td>5A</td>
<td>2B</td>
</tr>
<tr>
<td>Yakima</td>
<td>Telephone Line Construction - Outside</td>
<td>Tree Trimmer</td>
<td>$34.34</td>
<td>5A</td>
<td>2B</td>
</tr>
<tr>
<td>Yakima</td>
<td>Terrazzo Workers</td>
<td>Journey Level</td>
<td>$33.85</td>
<td>5A</td>
<td>1M</td>
</tr>
<tr>
<td>Yakima</td>
<td>Tile Setters</td>
<td>Journey Level</td>
<td>$33.85</td>
<td>5A</td>
<td>1M</td>
</tr>
<tr>
<td>Yakima</td>
<td>Tile, Marble &amp; Terrazzo Finishers</td>
<td>Journey Level</td>
<td>$29.85</td>
<td>5A</td>
<td>1M</td>
</tr>
<tr>
<td>Yakima</td>
<td>Traffic Control Stripers</td>
<td>Journey Level</td>
<td>$43.11</td>
<td>7A</td>
<td>1K</td>
</tr>
<tr>
<td>Yakima</td>
<td>Truck Drivers</td>
<td>Asphalt Mix</td>
<td>$14.19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yakima</td>
<td>Truck Drivers</td>
<td>Dump Truck &amp; Trailer (c.wa-760)</td>
<td>$38.40</td>
<td>6l</td>
<td>2G</td>
</tr>
<tr>
<td>--------</td>
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<td>----</td>
</tr>
<tr>
<td>Yakima</td>
<td>Truck Drivers</td>
<td>Dump Truck (c.wa-760)</td>
<td>$38.40</td>
<td>6l</td>
<td>2G</td>
</tr>
<tr>
<td>Yakima</td>
<td>Truck Drivers</td>
<td>Other Trucks (c.wa-760)</td>
<td>$38.40</td>
<td>6l</td>
<td>2G</td>
</tr>
<tr>
<td>Yakima</td>
<td>Truck Drivers</td>
<td>Transit Mixer</td>
<td>$38.96</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yakima</td>
<td>Well Drillers &amp; Irrigation Pump Installers</td>
<td>Irrigation Pump Installer</td>
<td>$25.44</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yakima</td>
<td>Well Drillers &amp; Irrigation Pump Installers</td>
<td>Oiler</td>
<td>$9.32</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yakima</td>
<td>Well Drillers &amp; Irrigation Pump Installers</td>
<td>Well Driller</td>
<td>$18.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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.

Supplemental to Wage Rates
08/31/2014 Edition, Published August 1st, 2014
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>
</tr>
<tr>
<td>----------------------------------------------------------------------------------</td>
<td>-----</td>
<td>----</td>
</tr>
<tr>
<td>8. Anchor Bolts &amp; Nuts - Anchor Bolts and Nuts, for mounting sign structures, luminaries and other items, shall be made from commercial bolt stock. See Contract Plans and Std. Plans for size and material type.</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>9. Aluminum Pedestrian Handrail - Pedestrian handrail conforming to the type and material specifications set forth in the contract plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>10. Major Structural Steel Fabrication - Fabrication of major steel items such as trusses, beams, girders, etc., for bridges.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>11. Minor Structural Steel Fabrication - Fabrication of minor steel items such as special hangers, brackets, access doors for structures, access ladders for irrigation boxes, bridge expansion joint systems, etc., involving welding, cutting, punching and/or boring of holes. See Contact Plans for item description and shop drawings.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>12. Aluminum Bridge Railing Type BP - Metal bridge railing conforming to the type and material specifications set forth in the Contract Plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>13. Concrete Piling--Precast-Prestressed concrete piling for use as 55 and 70 ton concrete piling. Concrete to conform to Section 9-19.1 of Std. Spec.</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>14. Precast Manhole Types 1, 2, and 3 with cones, adjustment sections and flat top slabs. See Std. Plans.</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>15. Precast Drywell Types 1, 2, and with cones and adjustment Sections. See Std. Plans.</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>ITEM DESCRIPTION</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------------------------------</td>
<td>-----</td>
<td>----</td>
</tr>
<tr>
<td>17. Precast Concrete Inlet - with adjustment sections, See Std. Plans</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>18. Precast Drop Inlet Type 1 and 2 with metal grate supports. See Std. Plans.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>19. Precast Grate Inlet Type 2 with extension and top units. See Std. Plans</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>20. Metal frames, vaned grates, and hoods for Combination Inlets. See Std. Plans</td>
<td>X</td>
<td></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>X</td>
<td></td>
</tr>
<tr>
<td>22. Vault Risers - For use with Valve Vaults and Utilities Vaults.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>23. Valve Vault - For use with underground utilities. See Contract Plans for details.</td>
<td>X</td>
<td></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>X</td>
<td></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>X</td>
<td></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>X</td>
<td></td>
</tr>
<tr>
<td>ITEM DESCRIPTION</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>----------------------------------------------------------------------------------</td>
<td>-----</td>
<td>----</td>
</tr>
<tr>
<td>27. Precast Railroad Crossings - Concrete Crossing Structure Slabs.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>28. 12, 18 and 26 inch Standard Precast Prestressed Girder – Standard Precast</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Prestressed Girder for use in structures. Fabricator plant has annual approval</td>
<td></td>
<td></td>
</tr>
<tr>
<td>of methods and materials to be used. Shop Drawing to be provided for approval</td>
<td></td>
<td></td>
</tr>
<tr>
<td>prior to casting girders. See Std. Spec. Section 6-02.3(25)A.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>29. Prestressed Concrete Girder Series 4-14 - Prestressed Concrete Girders for</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>use in structures. Fabricator plant has annual approval of methods and materials</td>
<td></td>
<td></td>
</tr>
<tr>
<td>to be used. Shop Drawing to be provided for approval prior to casting girders.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>See Std. Spec. Section 6-02.3(25)A.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30. Prestressed Tri-Beam Girder - Prestressed Tri-Beam Girders for use in</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>structures. Fabricator plant has annual approval of methods and materials to be</td>
<td></td>
<td></td>
</tr>
<tr>
<td>used. Shop Drawing to be provided for approval prior to casting girders.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>See Std. Spec. Section 6-02.3(25)A.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>31. Prestressed Precast Hollow-Core Slab – Precast Prestressed Hollow-core slab</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>for use in structures. Fabricator plant has annual approval of methods and</td>
<td></td>
<td></td>
</tr>
<tr>
<td>materials to be used. Shop Drawing to be provided for approval prior to casting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>girders. See Std. Spec. Section 6-02.3(25)A.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>32. Prestressed-Bulb Tee Girder - Bulb Tee Prestressed Girder for use in</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>structures. Fabricator plant has annual approval of methods and materials to be</td>
<td></td>
<td></td>
</tr>
<tr>
<td>used. Shop Drawing to be provided for approval prior to casting girders.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>See Std. Spec. Section 6-02.3(25)A.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>33. Monument Case and Cover</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>See Std. Plan.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ITEM</td>
<td>DESCRIPTION</td>
<td>YES</td>
</tr>
<tr>
<td>------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>-----</td>
</tr>
<tr>
<td>34</td>
<td>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>
</tr>
<tr>
<td>35</td>
<td>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>
</tr>
<tr>
<td>36</td>
<td>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>
</tr>
<tr>
<td>37</td>
<td>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>
</tr>
<tr>
<td>38</td>
<td>Light Standard-Prestressed - Spun, prestressed, hollow concrete poles.</td>
<td></td>
</tr>
<tr>
<td>39</td>
<td>Light Standards - Lighting Standards for use on highway illumination systems, poles to be fabricated to conform with methods and materials as specified on Std. Plans. See Specia Provisions for pre-approved drawings.</td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>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>
</tr>
<tr>
<td>41</td>
<td>Precast Concrete Sloped Mountable Curb (Single and DualFaced) See Std. Plans.</td>
<td></td>
</tr>
<tr>
<td>ITEM DESCRIPTION</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------------</td>
<td>-----</td>
<td>----</td>
</tr>
<tr>
<td>42. Traffic Signs - Prior to approval of a Fabricator of Traffic Signs, the</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sources of the following materials must be submitted and approved for</td>
<td></td>
<td></td>
</tr>
<tr>
<td>reflective sheeting, legend material, and aluminum sheeting.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NOTE: *** Fabrication inspection required. Only signs tagged “Fabrication</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Approved” by WSDOT Sign Fabrication Inspector to be installed</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>43. Cutting &amp; bending reinforcing steel</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>44. Guardrail components</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>Custom Message</td>
<td>Std Signing Message</td>
</tr>
<tr>
<td>45. Aggregates/Concrete mixes</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Covered by WAC 296-127-018</td>
<td>Covered by WAC 296-127-018</td>
</tr>
<tr>
<td>46. Asphalt</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Covered by WAC 296-127-018</td>
<td>Covered by WAC 296-127-018</td>
</tr>
<tr>
<td>47. Fiber fabrics</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>48. Electrical wiring/components</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>49. treated or untreated timber pile</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>50. Girder pads (elastomeric bearing)</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>51. Standard Dimension lumber</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>52. Irrigation components</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>ITEM DESCRIPTION</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-----</td>
<td>----</td>
</tr>
<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></td>
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</tbody>
</table>

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

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

See RCW 39.12.010
(The definition of "locality" in RCW 39.12.010(2) contains the phrase "wherein the physical work is being performed." The department interprets this phrase to mean the actual work site.)
WSDOT's List of State Occupations not applicable to Heavy and Highway Construction Projects

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

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

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

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

Definitions for the Scope of Work for prevailing wages may be found at the Washington State Department of Labor and Industries web site and in WAC Chapter 296-127.
Washington State Department of Labor and Industries  
Policy Statements  
(Regarding Production and Delivery of Gravel, Concrete, Asphalt, etc.)

WAC 296-127-018 Agency filings affecting this section

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

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

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

(a) They deliver or discharge any of the above-listed materials to a public works project site:
   (i) At one or more point(s) directly upon the location where the material will be incorporated into the project; or
   (ii) At multiple points at the project; or
   (iii) Adjacent to the location and coordinated with the incorporation of those materials.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   M. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
1. 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.

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

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

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

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

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

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

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

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

Z. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid the straight time rate of pay in addition to holiday pay.
2. **ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.**

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

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

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

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

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

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

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

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

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

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

A. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at time and one-half the straight time rate. Hours worked over twelve hours (12) in a single shift and all work performed after 6:00 pm Saturday to 6:00 am Monday and holidays shall be paid at double the straight time rate of pay. Any shift starting between the hours of 6:00 pm and midnight shall receive an additional one dollar ($1.00) per hour for all hours worked that shift. The employer shall have the sole discretion to assign overtime work to employees. Primary consideration for overtime work shall be given to employees regularly assigned to the work to be performed on overtime situations. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.
3. C. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays shall be paid at double the hourly rate of wage. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

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

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

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

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

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

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

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

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

Holiday Codes


Benefit Code Key – Effective 8-31-2014 thru 3-3-2015


Holiday Codes Continued


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

Holiday Codes Continued


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.


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.


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.
Benefit Code Key – Effective 8-31-2014 thru 3-3-2015

7.  
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 Work Day before Christmas Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

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

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


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

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

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

T. Paid Holidays: New Year’s Day, The Day After Or Before New Year’s Day, President’s Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, Christmas Day, and The Day After Or Before Christmas Day. (10). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
8. A. In addition to the hourly wage and fringe benefits, the following depth premiums apply to depths of fifty feet or more:
   Over 50' To 100' - $2.00 per Foot for Each Foot Over 50 Feet
   Over 100' To 150' - $3.00 per Foot for Each Foot Over 100 Feet
   Over 150' To 220' - $4.00 per Foot for Each Foot Over 150 Feet
   Over 220' - $5.00 per Foot for Each Foot Over 220 Feet

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

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

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

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

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

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

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

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

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

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APPENDIX B

STANDARD PLANS
NOTES
1. Contractor to provide blocking adequate to withstand full test pressure.
2. Divide thrust by safe bearing load to determine required area (in square feet) of concrete to distribute load.
3. Areas to be adjusted for other pressure conditions.
4. Provide two 1" minimum diameter rods on valves up through 10" diameter. Valves larger than 10" require special tie rod design.

### THRUST AT FITTINGS IN POUNDS

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### SAFE BEARING LOAD (PSF)

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CONCRETE THRUST BLOCK
STANDARD PLAN B-90.40-00
SHEET 1 OF 1 SHEET
APPROVED FOR PUBLICATION

Harold J. Petersen  06-08-06
State Engineer
Washington State Department of Transportation
NOTES

1. All concrete post bases shall be 10" minimum diameter.
2. Along the top and bottom, using Hog Rings, fasten the Chain Link Fence Fabric to the Tension Wire within the limits of the first full fabric weave.
3. Drawings are illustrative and shall not limit hardware design or post selection of any particular fence type.

TYPE 3

TYPE 4

POST AND RAIL SPECIFICATIONS

<table>
<thead>
<tr>
<th>POST</th>
<th>PIPE</th>
<th>ROLL FORMED</th>
</tr>
</thead>
<tbody>
<tr>
<td>END, CORNER, OR PULL POST</td>
<td>2 1/2&quot; DIAM.</td>
<td>5.10</td>
</tr>
<tr>
<td>LINE OR BRACE POST</td>
<td>2&quot; DIAM.</td>
<td>1.85</td>
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</table>

CHAIN LINK FENCE TYPES 3 AND 4

STANDARD PLAN L-20.10-02

APPROVED FOR PUBLICATION
Pasco Bakodich III 06/21/12

Washington State Department of Transportation
IMPROVEMENT PLANS
## TERRACE HEIGHTS LANDFILL IMPROVEMENTS
### YARD EXPANSION AND GARAGE PROJECT
#### SP 3553

### INDEX

<table>
<thead>
<tr>
<th>SHEET</th>
<th>COVER SHEET, VICINITY MAP, INDEX, LEGEND AND SUMMARY OF QUANTITIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHEET 1</td>
<td>TERRE HAIGHTS LANDFILL IMPROVEMENTS</td>
</tr>
<tr>
<td>SHEET 2</td>
<td>YARD EXPANSION &amp; EQUIPMENT GARAGE</td>
</tr>
<tr>
<td>SHEET 3</td>
<td>SP-3553</td>
</tr>
</tbody>
</table>

### SUMMARY OF QUANTITIES

<table>
<thead>
<tr>
<th>ITEM NO</th>
<th>ITEM DESCRIPTION</th>
<th>UNITS</th>
<th>QUANTITIES</th>
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<tr>
<td></td>
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<td>PREPARATION</td>
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<tr>
<td>1</td>
<td>MOBILIZATION</td>
<td>L.S.</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>REMOVAL OF STRUCTURE AND OBSTRUCTION</td>
<td>L.S.</td>
<td>1</td>
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<td></td>
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<td>GRAVING</td>
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<td>3</td>
<td>ROADWAY EXCAVATION INCL. HOLL</td>
<td>C.Y.</td>
<td>420</td>
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<td>EMBANKMENT COMPACT</td>
<td>C.Y.</td>
<td>400</td>
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<td></td>
<td></td>
<td></td>
<td>WATER LINES</td>
</tr>
<tr>
<td>5</td>
<td>GATE VALVE 8 IN</td>
<td>EA.</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>TRAPPING SLICE AND VALVE ASSEMBLY 8 IN</td>
<td>EA.</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>PVC PIPE FOR WATER MAIN 2 IN. DIA</td>
<td>L.F.</td>
<td>430</td>
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<tr>
<td>8</td>
<td>PVC PIPE FOR WATER MAIN 8 IN. DIA</td>
<td>L.F.</td>
<td>730</td>
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<td>9</td>
<td>YARD HYDRANT</td>
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<tr>
<td></td>
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<td></td>
<td>SURFACING</td>
</tr>
<tr>
<td>10</td>
<td>CRUSHED SURFACING BASE COURSE</td>
<td>TON</td>
<td>3900</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>HOT MIX ASPHALT</td>
</tr>
<tr>
<td>11</td>
<td>HMA CLASS 1/2 PT-54-38</td>
<td>TON</td>
<td>2300</td>
</tr>
<tr>
<td>12</td>
<td>JOB MIX COMPONANCE PRICE ADJUSTMENT</td>
<td>CALC</td>
<td>1</td>
</tr>
<tr>
<td>13</td>
<td>COMPACTION PRICE ADJUSTMENT</td>
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<td>14</td>
<td>PRE-FABRICATED STEEL BUILDING</td>
<td>L.S.</td>
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<tr>
<td>15</td>
<td>Bldg Floor Slab</td>
<td>S.Y.</td>
<td>470</td>
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<tr>
<td>16</td>
<td>BLDG POWER AND LIGHTING</td>
<td>L.S.</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>OTHER ITEMS</td>
</tr>
<tr>
<td>17</td>
<td>BOLLARD</td>
<td>EA.</td>
<td>10</td>
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<tr>
<td>18</td>
<td>OUTDOOR POWER AND LIGHTING</td>
<td>L.S.</td>
<td>1</td>
</tr>
<tr>
<td>19</td>
<td>CHAIN LINK FENCE</td>
<td>LF</td>
<td>500</td>
</tr>
<tr>
<td>20</td>
<td>END, GATE, CORNER, TOLL POST FOR CHAIN LINK FENCE</td>
<td>EA.</td>
<td>5</td>
</tr>
<tr>
<td>21</td>
<td>DPC PLAN</td>
<td>L.S.</td>
<td>1</td>
</tr>
<tr>
<td>22</td>
<td>MINOR CHARGE</td>
<td>CALC</td>
<td>1</td>
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</tbody>
</table>

### REVISION

- **COVER SHEET, INDEX, LEGEND, VICINITY MAP AND SUMMARY OF QUAN.**
- **SP 1 OF 14**
NEW ASPHALT AREA
560' X 105'

CONC. BUILDING PAD

FROM EDGE OF ASPHALT
ex. edge of asphalt
ex. fence

CONSTRUCTION NOTES
1. SAWCUT PAVEMENT (EXIST. DEPTH 0.35')
2. REMOVE S/ SALVAGE CHAIN LINK FENCE
3. YARD HYDRANT AND ROLLBAR, SEE UTILITY SHEETS
4. LUMINARE, SEE ELECTRICAL SHEETS
5. CONCRETE BUILDING PAD, SEE BUILDING SHEETS
6. CHAIN LINK FENCE, SEE SHEET 3

GENERAL NOTES
1. SEE GRADING PLAN FOR STATIONING, OFFSETS AND ELEVATIONS OF PAVING SURFACE

LEGEND
PAVED AREA, SEE PAVEMENT SECTION DETAIL

PAVEMENT SECTION
0.35' HMA CL 4&N, PG 64-28
0.65' CRUSHED SURFACING BASE COURSE
COMPACTED SUBGRADE

PROJECT CONTROL
1. ALL COORDINATES AND ELEVATIONS SHOWN ARE BASED ON A SPECIFIC PROJECT DATUM. MATCHING PAST PROJECTS CONSTRUCTED AT TERRACE HEIGHTS LANDFILL.

TERRACE HEIGHTS LANDFILL IMPROVEMENTS
YARD EXPANSION & EQUIPMENT GARAGE
SP-3553

COUNTY ENGINEER
DATE: 10/1/14

PROJECT ENGINEER:
ROBERT LOGNHILLER
DRAWN:
CHECKED:

SITE PLAN
SHEET 2 OF 14
WATER SYSTEM VALVE AND FITTING SCHEDULE

<table>
<thead>
<tr>
<th>#</th>
<th>DESCRIPTION</th>
<th>NORTHINGS</th>
<th>EASTINGS</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>8&quot;x8&quot;3/8&quot; TAPING TEE, 8&quot; GATE VALVE AND THRUST BLOCK</td>
<td>465667.4</td>
<td>1665073.9</td>
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<tr>
<td>2</td>
<td>8&quot; 90° BEND AND THRUST BLOCK</td>
<td>465850.6</td>
<td>1664886.2</td>
</tr>
<tr>
<td>3</td>
<td>8&quot; GATE VALVE</td>
<td>466114.8</td>
<td>1665072.6</td>
</tr>
<tr>
<td>4</td>
<td>8&quot;x8&quot;2&quot; TEE, 8&quot; PLUG AND THRUST BLOCK</td>
<td>466250.7</td>
<td>1665167.4</td>
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<tr>
<td>5</td>
<td>2&quot;x2&quot;x1/4&quot; TEE, YARD HYDRANT AND THRUST BLOCK</td>
<td>466211.5</td>
<td>1665239.4</td>
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<tr>
<td>6</td>
<td>2&quot;x2&quot;x1/4&quot; TEE, YARD HYDRANT AND THRUST BLOCK</td>
<td>466142.5</td>
<td>1665370.8</td>
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<tr>
<td>7</td>
<td>2&quot; 90° BEND AND THRUST BLOCK</td>
<td>466099.7</td>
<td>1665530.3</td>
</tr>
<tr>
<td>8</td>
<td>2&quot;x2&quot;x1/4&quot; TEE, YARD HYDRANT AND THRUST BLOCK</td>
<td>466041.1</td>
<td>1665520.6</td>
</tr>
</tbody>
</table>

GENERAL NOTES

1. EXISTING UTILITY LOCATIONS ARE BASED ON DESIGN DRAWINGS, RECORD DRAWINGS, AND FIELD SURVEY INFORMATION. FIELD VERIFY LOCATIONS, ELEVATIONS, SIZE AND MATERIAL AS NECESSARY. POTHOLING IS REQUIRED AT ANY CONNECTIONS TO EXISTING PIPES AND AT LOCATIONS WHERE UTILITIES CROSS.

2. ALL WATER MAINS SHALL BE PVC UNLESS NOTED OTHERWISE.

3. MINIMUM 4'-0" COVER REQUIRED FOR WATER LINES PER DETAIL.

4. ELECTRICAL INFORMATION PROVIDED FOR COORDINATION PURPOSES ONLY. SEE ELECTRICAL DRAWINGS FOR SPECIFIC ELECTRICAL INFORMATION.

5. WHERE PIPE MATERIALS CHANGE, CONTRACTOR SHALL PROVIDE TRANSITION COUPLINGS OR GASKETS AS REQUIRED.

6. THRUST BLOCKS SHALL BE INSTALLED PER WSDOT STD PLAN B-90.40-00

SHEET 6 OF 14
COLUMNS
ALL MATERIAL, WORKMANSHIP, DESIGN AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS AND THE CURRENT VERSION OF THE UNIFORM BUILDING CODE.

DESIGN LOADING CRITERIA

ROOF LIVE LOAD
20 PSF

ROOF SNOW LOAD
20 PSF

WIND LOAD
110 MPH, EXPOSURE "C"

EARTHQUAKE
D1

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH OTHER PROJECT DRAWINGS FOR BIDDING AND CONSTRUCTION. CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS FOR COMPATIBILITY AND SHALL NOTIFY OWNER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

SHOP DRAWING REVIEW

CONTRACTOR SHALL REVIEW AND STAMP DRAWINGS PRIOR TO REVIEW BY THE OWNER.

THE PURPOSE OF SHOP DRAWING SUBMITAL IS TO DOCUMENT TO THE OWNER THAT THE CONTRACTOR UNDERSTANDS THE DESIGN CONCEPT THAT HE DEMONSTRATES HIS UNDERSTANDING BY INDICATING WHICH MATERIALS HE INTENDS TO PURCHASE AND INSTALL AND BY DETAILING THE FABRICATION AND INSTALLATION METHODS HE INTENDS TO USE. IF DISCREPANCIES OR CONFLICTS BETWEEN SHOP DRAWING SUBMITALS AND THE CONTRACT DOCUMENTS ARE DISCOVERED EITHER PRIOR TO OR AFTER SHOP DRAWING SUBMITAL, ARE PROCESSED BY THE OWNER, THE DESIGN DRAWINGS AND SPECIFICATIONS SHALL BE REVISED AND STAMPED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

SHOP DRAWINGS OF DESIGN BUILD COMPONENTS SHALL INCLUDE THE DESIGNING PROFESSIONAL ENGINEER'S STAMP, STATE OF WASHINGTON AND SHALL BE APPROVED BY THE COMPONENT DESIGNER PRIOR TO SUBMISSION TO THE OWNER FOR REVIEW. THE CONTRACTOR IS RESPONSIBLE FOR CODE COMPLIANCE AND ALL NECESSARY CORRECTIONS NOT SPECIFIED CALLED OUT ON THE SHOP DRAWINGS BE STAMPED AND REISSUED PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ALL PERMITS NECESSARY TO CONSTRUCT THE BUILDING.

FOUNDATION NOTES

FOOTING SHALL BE SET ON FIRM UNDISTURBED EARTH OR COMPACTED SUBGRADE WITH 95% DRY DENSITY.

ALLOWABLE SOIL PRESSURE
1,500 PSF

FINAL DESIGN OF THE FOUNDATION SHAL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL DETERMINE FINAL BUILDING STRUCTURE LOADS FROM THE BUILDING MANUFACTURER BASED ON THE APPLICABLE CODES AND DESIGN DATA SHOWN ON THIS DRAWING AND SHALL REVIEW AND MODIFY FOUNDATION DIMENSIONS AND DETAILS AS NECESSARY TO ACCOMMODATE ACTUAL LOADS. ALL FOUNDATION REVIEW AND REVISION SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF WASHINGTON AND SHALL STAMP SHOP DRAWINGS FOR REVISED FOUNDATION PLANS AND DETAILS.

CAST-IN-PLACE CONCRETE SHALL BE CLASS 4000

REINFORCEMENT STEEL SHALL CONFORM TO ASTM A615, GRADE 60, f_y=60,000 PSI.

EXCAVATE AND PREPARE SUBGRADE FOR FOOTINGS AND GRADE SLAB

PROVIDE MINIMUM 3 INCH COURSE OF CRUSHED SURFACING TOP COURSE UNDER ALL FOOTINGS AND GRADE SLABS

FLOOR PLAN

5  0  5  10

SHEET 8 OF 14
WEST ELEVATION

EAST ELEVATION

SOUTH ELEVATION

NORTH ELEVATION

NOTE: DIMENSION DETERMINED BY CONTRACTOR. HEIGHT OF BUILDING MUST PROVIDE 14' OF INTERIOR CLEARANCE FROM FINISHED FLOOR TO BOTTOM OF PRIMARY STRUCTURAL FRAMING.
ELECTRICAL GROUNDING PLAN

COLUMN GROUND CONNECTION

GROUND ROD, TYP. PER DETAIL

GROUND RING

GROUND ROD, TYP. PER DETAIL

COLUMN GROUND CONNECTION

DETAIL

BARE COPPER CABLE

STEEL PLATE

CADWELD TYPE "TB"

CADWELD TYPE "DT"

BARE COPPER CABLE

3/4" X 10'-0" COPPER CLAD STEEL GROUND ROD

GROUND CABLE TEE CONNECTION

GROUND CABLE TO STEEL CONNECTION

GROUND ROD CONNECTION

BUILDING ELECTRICAL GROUNDING DETAILS

SHEET 11 OF 14
CONSTRUCTION NOTES

1. FURNISH AND INSTALL 45' TIMBER POLE AND LUMINARE FIXTURES PER LUMINARE FIXTURE SCHEDULE.

2. FURNISH AND INSTALL DUPLEX GFCI RECEPTACLE. RECEPTACLE SHALL BE HOUSED IN HEATHERPROOF BASKET AND LOCATED AT CAST IRON 30 WEATHER PROOF COVER. SEE DETAIL SHEET 14.

3. FURNISH AND INSTALL 45 FT. UTILITY POLE METER BASE AND SERVICE DISCONNECT. COORDINATE EXACT POLE LOCATION, METER BASE REQUIREMENTS AND POWER CONNECTION WITH FFPC. SERVICE DISCONNECT AND FEEDER WIRING SHALL BE SIZED BY CONTRACTOR. CONTRACTOR SHALL SUBMIT WORKSHEET FOR APPROVAL.

LEGEND

- EXISTING UTILITY POLE
- NEW TIMBER POLE
- LUMINARE
- TYPE 1 JUNCTION BOX
- TYPE 2 JUNCTION BOX
- CONDUCT

LUMINARE FIXTURE SCHEDULE

<table>
<thead>
<tr>
<th>ID</th>
<th>STATION</th>
<th>OFFSET</th>
<th>TYPE / MOUNTING</th>
<th>MOUNTING HEIGHT</th>
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<tbody>
<tr>
<td>1</td>
<td>0-03</td>
<td>173.4 FL</td>
<td>LED / 301</td>
<td>35 FT</td>
</tr>
<tr>
<td>2</td>
<td>1/35</td>
<td>62.0 LT</td>
<td>LED / 301</td>
<td>35 FT</td>
</tr>
<tr>
<td>3</td>
<td>1/65</td>
<td>207.0 LT</td>
<td>LED / 301</td>
<td>35 FT</td>
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<tr>
<td>4</td>
<td>1/65</td>
<td>357.3 LT</td>
<td>LED / 301</td>
<td>35 FT</td>
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<tr>
<td>5</td>
<td>0-03</td>
<td>360.3 LT</td>
<td>LED / 301</td>
<td>35 FT</td>
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</table>

LUMINARE WIRING SCHEDULE

<table>
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<tr>
<th>ID</th>
<th>CONDUIT / CONDUCTOR</th>
<th>COMMENT</th>
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<tbody>
<tr>
<td>1</td>
<td>2&quot; R55</td>
<td>N/A</td>
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<tr>
<td>2</td>
<td>1&quot;</td>
<td>2 40 (EL)</td>
</tr>
<tr>
<td>3</td>
<td>2&quot;</td>
<td>2 40 (EL)</td>
</tr>
<tr>
<td>4</td>
<td>2&quot;</td>
<td>2 40 (EL)</td>
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</table>

ALL CONDUCTORS SHALL CONTAIN GROUND WIRE SIZED TO MATCH THE LARGEST CONDUCTOR IN THE CONSULT (3 X 80 AWG).
LUMINAIRE FIXTURE SCHEDULE

<table>
<thead>
<tr>
<th>ID</th>
<th>MANUFACTURER AND TYPE</th>
<th>TYPE/WATTAGE</th>
<th>DESCRIPTION</th>
<th>SUGGESTED MOUNTING HEIGHT</th>
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<tbody>
<tr>
<td>C1</td>
<td>SE LIGHTING</td>
<td>LED/1.35</td>
<td>LOW-BAY CEILING MOUNTED FIXTURE</td>
<td>16P1</td>
</tr>
<tr>
<td>C2</td>
<td>SE LIGHTING</td>
<td>LED/1.35</td>
<td>LOW-BAY CEILING MOUNTED FIXTURE</td>
<td>16P1</td>
</tr>
<tr>
<td>W1</td>
<td>SE LIGHTING</td>
<td>LED/50</td>
<td>WALL-MOUNTED FIXTURE</td>
<td>8P1</td>
</tr>
<tr>
<td>W2</td>
<td>SE LIGHTING</td>
<td>LED/50</td>
<td>WALL-MOUNTED FIXTURE</td>
<td>13-18P1</td>
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<tr>
<td>E1</td>
<td>6-CON-LIGHT</td>
<td>LED/NA</td>
<td>SINGLE FACE WALL-MOUNTED LED EXIT SIGN/EMERGENCY LIGHT (WITH TWO ADJUSTABLE LIGHTING HEADS) AND BATTERY BACKUP (GREEN LETTERS)</td>
<td>8P1</td>
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<tr>
<td>E2</td>
<td>6-CON-LIGHT</td>
<td>LED/NA</td>
<td>SINGLE FACE WALL MOUNTED LED EXIT SIGN WITH BATTERY BACKUP (GREEN LETTERS, NO CHEVRONS)</td>
<td>8P1</td>
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* OR APPROVED EQUAL. LIGHT LEVEL SHALL BE A MINIMUM OF 70 FOOT CANDLES.

GFCI SCHEDULE

<table>
<thead>
<tr>
<th>#</th>
<th>DESCRIPTION</th>
<th>NEMA</th>
<th>RATING</th>
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<th>COMMENTS</th>
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<tbody>
<tr>
<td>1</td>
<td>DUPLEX WEATHERPROOF HEAVY DUTY RECEPTACLE (SUBS: 5362 SERIES OR EQUAL)</td>
<td>5-20R</td>
<td>125-20A</td>
<td>1.5Ft - 2Ft</td>
<td>INDOOR</td>
</tr>
<tr>
<td>2</td>
<td>DUPLEX WEATHERPROOF HEAVY DUTY RECEPTACLE (SUBS: 5362 SERIES OR EQUAL)</td>
<td>5-20R</td>
<td>125-20A</td>
<td>4Ft</td>
<td>OUTDOOR</td>
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<tr>
<td>3</td>
<td>DOUBLE - DUPLEX WEATHER PROOF HEAVY DUTY RECEPTACLE</td>
<td>5-20R</td>
<td>125-20A</td>
<td>1.5Ft - 2Ft</td>
<td>INDOOR</td>
</tr>
<tr>
<td>4</td>
<td>DUPLEX WEATHER PROOF HEAVY DUTY RECEPTACLE</td>
<td>6-20R</td>
<td>240-20A</td>
<td>1.5Ft - 2Ft</td>
<td>INDOOR</td>
</tr>
<tr>
<td>5</td>
<td>DOUBLE - DUPLEX WEATHER PROOF HEAVY DUTY RECEPTACLE</td>
<td>6-20R</td>
<td>240-20A</td>
<td>1.5Ft - 2Ft</td>
<td>INDOOR</td>
</tr>
</tbody>
</table>

LEGEND

- WALL-MOUNTED FIXTURE (X: FIXTURE ID)
- CEILING-MOUNTED FIXTURE (X: FIXTURE ID)
- WALL-MOUNTED EXIT LIGHT WITH DIRECTION ARROW AS SHOWN ON PLAN
- RECEPCTACLE (X: GFCI ID)
- WALL-MOUNTED EXIT LIGHT
- ELECTRICAL SERVICE ENCLOSURE
- ELECTRICAL ENCLOSURE

NOTES

1. CONTRACTOR MAY PROPOSE DIFFERENT LUMINAIRES AND SPACING INSIDE THE BUILDING, HOWEVER AVERAGE ILLUMINANCE SHALL BE 70 FOOT CANDLES OR HIGHER. CONTRACTOR SHALL SUBMIT LUMINAIRES TO THE ENGINEER FOR APPROVAL BEFORE ORDERING.
2. ALL OUTDOOR RECEPCTACLES SHALL BE HOUSED IN WEATHER PROOF GASKET AND LOCKABLE DIE CAST NEMA 3R WEATHER-PROOF COVER.
3. ALL INSIDE CONDUITS SHALL BE RUSK GALVANIZED STEEL (RSG).
4. ELECTRICAL SERVICE ENCLOSURE SHALL BE WALL-MOUNTED TYPE I NEMA WITH A MIN. OF 20 SPACES CAPACITY. MAIN AND BRANCH CIRCUIT BREAKERS SHALL BE SIZED AND PROVIDED BY THE CONTRACTOR FOR APPROVAL. EXACT LOCATION OF THE ENCLOSURE TO BE DETERMINED BEFORE INSTALLATION.
5. LIGHTING CONTACTORS SHALL BE INSTALLED IN A TYPE I NEMA ENCLOSURE NEXT TO THE ELECTRICAL SERVICE.
6. BUILDING FRAME AND STRUCTURE SHALL BE GROUNDED IN ACCORDANCE TO NEC.
7. EACH RECEPCTACLE SHALL BE ON A SEPERATE CIRCUIT.
8. LIGHT SWITCHES SHALL BE INSTALLED AT EACH doorway, EACH BAY SHALL BE ON ONE SWITCH.
9. ILLUMINATION CIRCUIT FOR ALL OUTDOOR LUMINAIRES SHALL BE CONTROLLED BY A COMBINATION OF PHOTO ELECTRIC CONTROLS AND LIGHTING CONTACTORS.

ABBREVIATIONS

GFCI: GROUND FAULT CIRCUIT INTERRUPTER

FLOOR PLAN

TERRACE HEIGHTS LANDFILL IMPROVEMENTS
YARD EXPANSION & EQUIPMENT GARAGE
SP-3553

PREPARED UNDER THE DIRECTION OF:

COUNTY ENGINEER
DATE: 6/1/2014

PROJECT ENGINEER:
ROBERT LOGHILLER

DRAWN:
CHECKED:

REVISON:

BUILDING ELECTRICAL PLAN

SHEET 13 OF 14