Contract Provisions and Plans

For Construction of:

EAGLE PIT CRUSHING CONTRACT #RF20-EAG-D

SKAGIT COUNTY PUBLIC WORKS

EAGLE PIT CRUSHING CONTRACT #RF20-EAG-D

This contract provides for the crushing and stockpiling of 18,500 tons of BST Chips and 28,000 tons of Crushed Surfacing Base Course at the Skagit County owned Eagle Bluff Pit; and other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications.

Schedule: All work is to be completed within 65 working days.

Measurement and Payment: Each item will be per the bid proposal.

Property Location: Eagle Pit, 43600 South Skagit Highway, Concrete, Skagit County, WA

EAGLE PIT CRUSHING CONTRACT
#RF20-EAG-D

SKAGIT COUNTY
DEPARTMENT OF PUBLIC WORKS
MOUNT VERNON, WASHINGTON 98273-5625

NOTICE TO ALL PLAN HOLDERS

Copies of the Plans and specifications are available at Skagit County Public Works, 1800 Continental Place, Mount Vernon, Washington 98273-5625. Telephone: (360) 336-9400. You may receive the bid information electronically; copies of the plans and specifications are available at: http://www.skagitcounty.net/rfp.

APPROVED:

Paul A. Randall-Grutter, P.E.
County Engineer

MAPS, PLANS, AND SPECIFICATIONS APPROVED:

BOARD OF COUNTY COMMISSIONERS
SKAGIT COUNTY, WASHINGTON

Kenneth A. Dahlstedt, Chair

Lisa Janicki, Commissioner

Ron Wesen, Commissioner

EAGLE PIT CRUSHING CONTRACT
#RF20-EAG-D

CERTIFICATION

We hereby certify that these contract documents were prepared by us or under our direct supervision, and that we are duly registered Professional Engineers under the laws of the State of Washington.

Engineer of Record

Design Engineer

NOTICE OF CALL FOR BIDS

NOTICE IS HEREBY GIVEN by SKAGIT COUNTY that sealed bids will be received and publicly opened in the Commissioners' Hearing Room, 1800 Continental Place, Mount Vernon, WA 98273 on **Monday, March 23, 2015, at the hour of 2:45 p.m.,** or as soon thereafter as possible, for the following construction work:

PROJECT DESCRIPTION: **Eagle Pit Crushing Contract, #RF20-EAG-D**

This contract provides for the crushing and stockpiling of 18,500 tons of BST Chips and 28,000 tons of Crushed Surfacing Base Course at the Skagit County owned Eagle Bluff Pit; and other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications.

The time limit for physical completion of work is a total of 65 WORKING DAYS The Engineer's Estimate Range is $330,000.00 to $400,000.00.

Contractor and all subcontractors shall have a contractor's license to work in the State of Washington.

Information, copies of maps, plans, specifications, and addenda for this project will be available on-line beginning **March 5, 2015**, at http://www.skagitcounty.net/rfp or obtained at Skagit County Public Works Department, 1800 Continental Place, Mount Vernon, Washington; (360) 336-9400. Contractors who download plans and specifications are advised to e-mail pw@co.skagit.wa.us to be added to plan holders list to receive any addenda that may be issued.

An optional, non-mandatory pre-bid meeting will be held **Thursday, March 12, 2015 at 2:00 p.m**. onsite at Eagle Pit, 43600 South Skagit Highway, Concrete, WA. All technical questions regarding this project are to be submitted **no later than 4:30 p.m., Friday, March 13, 2015** in writing to David Walde, Construction Section Manager, or by e-mail to davidw@co.skagit.wa.us with the subject line reading, **"Eagle Pit Crushing Contract #RF20-EAG-D"**. All project specific questions and response to answers for this project will be available on-line as received. **All Addenda will be posted on-line for this project by 5:00 p.m. Monday, March 16, 2015**. If further Addenda are required to be issued, the bid opening will be postponed.

All bid envelopes must be plainly marked on the outside, "**Sealed Bid for "Eagle Pit Crushing Contract #RF20-EAG-D".** Sealed bids shall be received by one of the following delivery methods before **Monday, March 23, 2015, at the hour of 2:45 p.m**. Proposals are to be submitted on the forms provided in the Bid Proposal Packet. Incomplete proposals and proposals received after the time fixed for the opening cannot be considered. Oral, telephonic, telegraphic, electronic or faxed proposals will not be accepted. All bidding shall be based upon compliance with the Contract Provisions and Plans.

1. **Hand delivered**: Bids delivered in person shall be received only at the office of the SKAGIT COUNTY COMMISSIONERS, Reception Desk, 1800 Continental Place, Suite 100, Mount Vernon, WA 98273-5625.
2. **Via mail**: Bids shall be mailed to the SKAGIT COUNTY COMMISSIONERS, 1800 Continental Place, Suite 100, Mount Vernon, WA 98273-5625.

BID GUARANTY: No bid will be considered unless accompanied by a surety company bid bond, or a certified or cashier's check payable to the order of Skagit County for a sum not less than five percent (5%) of the total amount of the bid. A Contract Bond covering performance and payment will be required with the contract. Washington State Prevailing Wage Rates apply to this contract and bidders are advised to consider this charge when tabulating bids.

Skagit County reserves the right to reject any or all bids, and the right to waive any informalities or irregularities in any bid or in any bidding and to further award the Project to the lowest, responsive, responsible bidder whose bid complies with all of the prescribed formalities, as it best serves the

interest of Skagit County. After the date and hour set for the opening of bids, no bidder may withdraw its bid unless the award of the contract is delayed for a period exceeding sixty (60) calendar days following bid opening. All bidders agree to be bound by their bids until the expiration of this stated time period.

Skagit County in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-Assisted Programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises as defined at 49 CFR Part 26 will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, national origin, or sex in consideration for an award.

For questions regarding Skagit County's Title VI Program, you may contact the Public Works Department's Title VI Liaison, Bill Dowe, at (360) 336-9400

The Board of Skagit County Commissioners reserves the right to reject any or all bids.

NOTICE GIVEN BY ORDER OF THE BOARD OF SKAGIT COUNTY COMMISSIONERS this 2 day of March, 2015.

Linda Henemo

Clerk of the Board

Published: Skagit Valley Herald – March 5, March 12, 2015
Daily Journal of Commerce – March 5, March 12, 2015

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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-collusion 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
January 5, 2015

1-03.3 Execution of Contract
The first paragraph is revised to read:

> Within 20 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, and shall be registered as a contractor in the state of Washington.

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

1-03.5 Failure to Execute Contract
The first sentence is revised to read:

> Failure to return the insurance certification and bond with the signed Contract as required in Section 1-03.3, or failure to provide Disadvantaged, Minority or Women's Business Enterprise information if required in the Contract, or failure or refusal to sign the Contract, or failure to register as a contractor in the state of Washington shall result in forfeiture of the proposal bond or deposit of this Bidder.

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 5, 2015

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.

1-07.23(1) Construction Under Traffic

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

Accessibility to existing or temporary pedestrian push buttons shall not be impaired.

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 1-09, Measurement and Payment
January 5, 2015

1-09.6 Force Account

In the third paragraph of item number 3, the last sentence is revised to read:

> In the event that prior quotations are not obtained and the vendor is not a firm independent from the Contractor or Subcontractor, then after-the-fact quotations may be obtained by the Engineer from the open market in the vicinity and the lowest such quotation may be used in place of submitted invoice.

Section 1-10, Temporary Traffic Control
August 4, 2014

1-10.1(1) Materials

The following material reference is deleted from this section:

> Barrier Drums 9-35.8

1-10.1(2) Description

The first paragraph is revised to read:

> The Contractor shall provide flaggers, and all other personnel required for labor for traffic control activities and not otherwise specified as being furnished by the Contracting Agency.

1-10.2(1) General

In the third paragraph, the first two sentences are revised to read:

> The primary and alternate TCS shall be certified by one of the organizations listed in the Special Provisions. Possession of a current Washington State TCS card and flagging card by the primary and alternate TCS is mandatory.

1-10.2(1)B Traffic Control Supervisor

The first paragraph is revised to read:

> A Traffic Control Supervisor (TCS) shall be present on the project whenever flagging or other traffic control labor is being utilized or less frequently, as authorized by the Engineer.

The last paragraph is revised to read:

> The TCS may perform the Work described in Section 1-10.3(1)A Flaggers or in Section 1-10.3(1)B Other Traffic Control Labor and be compensated under those Bid items, provided that the duties of the TCS are accomplished.

1-10.2(2) Traffic Control Plans

The first paragraph is revised to read:

> The traffic control plan or plans appearing in the Contract documents show a method of handling vehicle, bicycle, and pedestrian traffic. All construction signs, flaggers, and

other traffic control devices are shown on the traffic control plan(s) except for emergency situations. If the Contractor proposes adding the use of flaggers to a plan, this will constitute a modification requiring approval by the Engineer. The modified plans shall show locations for all the required advance warning signs and a safe, protected location for the flagging station. If flagging is to be performed during hours of darkness, the plan shall include appropriate illumination for the flagging station.

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

Any Contractor-proposed modification, supplement or replacement shall show the necessary construction signs, flaggers, and other traffic control devices required to support the Work.

1-10.2(3) Conformance to Established Standards

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

The National Cooperative Highway Research Project (NCHRP) Report 350 and the AASHTO Manual for Assessing Safety Hardware (MASH) have established requirements for crash testing.

In the third paragraph, “NCHRP 350” is revised to read “NCHRP 350 or MASH”.

In the fourth paragraph, “NCHRP 350” is revised to read “NCHRP 350 or MASH”.

In the fifth paragraph, “NCHRP 350” is revised to read “NCHRP 350 or MASH”.

1-10.3(1) Traffic Control Labor

The first paragraph is revised to read:

The Contractor shall furnish all personnel for flagging, for the execution of all procedures related to temporary traffic control and for the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations.

1-10.3(1)A Flaggers and Spotters

This section’s title is revised to read:

Flaggers

The first paragraph is revised to read:

Flaggers shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. The flagging card shall be immediately available and shown to the Contracting Agency upon request.

The last paragraph is deleted.

1-10.3(1)B Other Traffic Control Labor

This section is revised to read:

In addition to flagging duties, the Contractor shall provide personnel for all other traffic control procedures required by the construction operations and for the labor to install, maintain and remove any traffic control devices shown on Traffic Control Plans.

1-10.3(3)B Sequential Arrow Signs

This section is supplemented with the following:

A sequential arrow sign is required for all lane closure tapers on a multilane facility. A separate sequential arrow sign shall be used for each closed lane. The arrow sign shall not be used to laterally shift traffic. When used in the caution mode, the four corner mode shall be used.

1-10.3(3)C Portable Changeable Message Signs

This section is revised to read:

Where shown on an approved traffic control plan or where ordered by the Engineer, the Contractor shall provide, operate, and maintain portable changeable message signs (PCMS). A PCMS shall be placed behind a barrier or guardrail whenever possible, but shall at a minimum provide 4 ft. of lateral clearance to edge of travelled lane and be delineated by channelization devices. The Contractor shall remove the PCMS from the clear zone when not in use unless protected by barrier or guardrail.

1-10.3(3)F Barrier Drums

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

1-10.3(3)F Vacant

1-10.3(3)K Portable Temporary Traffic Control Signal

The fifth paragraph is revised to read:

The Project Engineer or designee will inspect the signal system at initial installation/operation and approve the signal timing. Final approval will be based on the results of the operational inspection.

1-10.4(2) Item Bids With Lump Sum for Incidentals

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

“Flaggers” will be measured by the hour. Hours will be measured for each flagging station, shown on an approved Traffic Control Plan, when that station is staffed in accordance with Section 1-10.3(1)A.

The first sentence of the last bulleted item in this section is revised to read:

Installing and removing Barricades, Traffic Safety Drums, Cones, Tubular Markers and Warning Lights and Flashers to carry out approved Traffic Control Plan(s).

1-10.5(2) Item Bids With Lump Sum for Incidentals

This section is deleted and replaced with the following:

“Traffic Control Supervisor”, lump sum.

The lump sum Contract payment shall be full compensation for all costs incurred by the Contractor in performing the Work defined in Section 1-10.2(1)B.

"Pedestrian Traffic Control", lump sum.

The lump sum Contract payment shall be full compensation for all costs incurred by the Contractor in performing the Work for pedestrian traffic control defined in Section 1-10.

"Flaggers", per hour.

The unit Contract price, when applied to the number of units measured for this item in accordance with Section 1-10.4(2), shall be full compensation for all costs incurred by the Contractor in performing the Work defined in Section 1-10.3(1)A.

"Other Traffic Control Labor", per hour.

The unit Contract price, when applied to the number of units measured for this item in accordance with Section 1-10.4(2), shall be full compensation for all labor costs incurred by the Contractor in performing the Work specified for this item in Section 1-10.4(2).

"Construction Signs Class A", per square foot.

The unit Contract price, when applied to the number of units measured for this item in accordance with Section 1-10.4(2), shall be full compensation for all costs incurred by the Contractor in performing the Work described in Section 1-10.3(3)A. In the event that "Do Not Pass" and "Pass With Care" signs must be left in place, a change order, as described in Section 1-04.4, will be required. When the Bid Proposal contains the item "Sign Covering", then covering those signs indicated in the Contract will be measured and paid according to Section 8-21.

"Sequential Arrow Sign", per hour.

The unit Contract price, when applied to the number of units measured for this item in accordance with Section 1-10.4(2), shall be full compensation for all costs incurred by the Contractor in performing the Work described in Section 1-10.3(3)B.

"Portable Changeable Message Sign", per hour.

The unit Contract price, when applied to the number of units measured for this item in accordance with Section 1-10.4(2), shall be full compensation for all costs incurred by the Contractor in performing the Work for procuring all portable changeable message signs required for the project and for transporting these signs to and from the project.

"Transportable Attenuator", per each.

The unit Contract price, when applied to the number of units measured for this item in accordance with Section 1-10.4(2), shall be full compensation for all costs incurred by the Contractor in performing the Work described in Section 1-10.3(3)J except for costs compensated separately under the items "Operation of Transportable Attenuator" and "Repair Transportable Attenuator".

"Operation of Transportable Attenuator", per hour.

The unit Contract price, when applied to the number of units measured for this item in accordance with Section 1-10.4(2), shall be full compensation for all costs incurred by the Contractor in performing the Work for operating transportable attenuators on the project.

"Repair Transportable Attenuator", by force account.

All costs of repairing or replacing transportable attenuators that are damaged by the motoring public while in use as shown on an approved Traffic Control Plan will be paid for by force account as specified in Section 1-09.6. To provide a common Proposal for all Bidders, the Contracting Agency has estimated the amount of force account for "Repair Transportable Attenuator" and has entered the amount in the Proposal to become a part of the total Bid by the Contractor. Transportable attenuators damaged due to the Contractor's operation or damaged in any manner when not in use shall be repaired or replaced by the Contractor at no expense to the Contracting Agency.

"Other Temporary Traffic Control", lump sum.

The lump sum Contract payment shall be full compensation for all costs incurred by the Contractor in performing the Work defined in Section 1-10, and which costs are not compensated by one of the above-listed items.

"Portable Temporary Traffic Control Signal", lump sum.

The lump sum Contract payment shall be full compensation for all costs incurred by the Contractor in performing the Work as described in Section 1-10.3(3)K, including all costs for traffic control during manual control, adjustment, malfunction, or failure of the portable traffic control signals and during replacement of failed or malfunctioning signals.

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 2-02, Removal of Structures and Obstructions
January 5, 2015

2-02.3(2) Removal of Bridges, Box Culverts, and Other Drainage Structures

This section is supplemented with the following new subsections:

2-02.3(2)A Bridge Removal

2-02.3(2)A1 Bridge Demolition Plan Submittal

The Contractor shall submit a Type 2E Working Drawing consisting of a bridge demolition plan, showing the method of removing the existing bridge(s), or portions of bridges, as specified.

The bridge demolition plan shall show all equipment, sequence of operations, and details required to complete the work, including containment, collection, and disposal of all debris. The plan shall include a crane foundation stability analysis and crane load calculations for the work. The plan shall detail the containment, collection, and disposal of all debris. The plan shall show all stages of demolition.

When the bridge removal work includes removal of a truss, and when the Contractor's removal method involves use of a crane or cranes to pick, lift, and remove the truss, the Contractor shall confirm the truss dead load weight prior to beginning the truss removal operation. The operation of confirming the truss dead load shall be performed at both ends of the truss, and shall ensure that the truss is broken free of its support bearings. The Contractor's method of confirming the truss dead load, whether by hydraulic jacks or other means, shall be included in the Contractor's bridge demolition plan submittal.

When the bridge removal work involves removing portions of existing concrete without replacement, the methods and tools used to achieve the smooth surface and profile specified in Section 2-02.3(2)A2 shall be included in the Contractor's bridge demolition plan submittal.

2-02.3(2)A2 Removing Portions of Existing Concrete

Care shall be taken in removing concrete to prevent overbreakage or damage to portions of the existing Structure which are to remain. Before concrete removal begins, a saw cut shall be made into the surface of the concrete at the perimeter of the removal limits. The saw cut shall be 3/4-inch deep when the steel reinforcement is to remain, and may be deeper when the steel reinforcement is removed with the concrete.

Concrete shall be completely removed (exposing the deformed surface of the bar) from existing steel reinforcing bars which extend from the existing members and are specified to remain. Steel reinforcing bars that are not designated to remain shall be cut a minimum of 1-inch behind the final surface. The void left by removal of the steel reinforcing bar shall be filled with mortar conforming to Section 9-20.4(2). The mortar shall match the color of the existing concrete surface as nearly as practicable.

The Contractor shall roughen, clean, and saturate existing concrete surfaces, against which fresh concrete will be placed, in accordance with Section 6-02.3(12)B. When a portion of existing concrete is to be removed without replacement, concrete shall be removed to a clean line with a smooth surface of less than 1/16 inch profile.

2-02.3(2)A3 Use of Explosives for Bridge Demolition

Explosives shall not be used for bridge demolition, except as specifically allowed by the Special Provisions.

2-02.5 Payment

This section is supplemented with the following new Bid items:

"Removing Existing Bridge___", lump sum.

"Removing Existing Structure___", lump sum.

"Removing Portion of Existing Bridge___", lump sum.

"Removing Portion of Existing Structure___", lump sum.

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 2-09, Structure Excavation
January 5, 2015

2-09.4 Measurement

The seventh paragraph is revised to read:

For pipelines the lower limit in measuring structure excavation will be the foundation level as shown in the Plans or as directed by the Engineer.

Section 2-12, Construction Geosynthetic
January 5, 2015

2-12.3(4) Permanent Erosion Control and Ditch Lining

In the fourth paragraph, "Section 9-13.2" is revised to read "Section 9-13.1(4)".

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 5-01, Cement Concrete Pavement Rehabilitation
August 4, 2014

5-01.2 Materials

The referenced section for the following item is revised to read:

Dowel Bars 9-07.5

5-01.3(4) Replace Portland Cement Concrete Panel

In the third paragraph, the last sentence is deleted.

The seventeenth paragraph (beginning with "The Contractor shall place a bond-breaking material…") is deleted.

Section 5-02, Bituminous Surface Treatment
August 4, 2014

5-02.3(11) Temporary Raised Pavement Markings

This section's title is revised to read:

Temporary Pavement Markings

The word "raised" is deleted from this section.

Section 5-04, Hot Mix Asphalt
January 5, 2015

5-04.3(3)A Material Transfer Device/Vehicle

The first paragraph is supplemented with the following new sentence:

At the Contractor's request the Engineer may approve paving without an MTD/V; the Engineer will determine if an equitable adjustment in cost or time is due.

In the last sentence of the second paragraph, "Project Engineer" is revised to read "Engineer".

5-04.3(5)A Preparation of Existing Surfaces

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

Unless otherwise approved by the Engineer, the tack coat shall be CSS-1 or CSS-1h emulsified asphalt.

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(8)A4 Definition of Sampling and Sublot

In the second sentence of the second paragraph, “800 tons” is revised to read “1,000 tons”.

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.

In the sixth paragraph (after the preceding Amendments are applied), the second sentence is revised to read:

Sublots will be uniform in size with a maximum of approximately 100 tons per sublot; the final sublot of the day may be increased to 150 tons.

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.

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

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.

5-04.3(20) Anti-Stripping Additive

This section is revised to read:

Anti-stripping additive shall be added to the liquid asphalt by the asphalt supplier prior to shipment to the hot mix asphalt mixing plant in the amount designated in the WSDOT mix design evaluation report provided by the Contracting Agency. Paving shall not begin before the anti-strip requirements have been provided to the Contractor. Anti-strip is not required for temporary work that will be removed prior to Completion.

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:

Coarse Aggregate	+ 30 Pounds	- 30 Pounds
Fine Aggregate	+ 30 Pounds	- 30 Pounds

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".

Section 6-01, General Requirements for Structures
January 5, 2015

6-01.6 Load Restrictions on Bridges Under Construction

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

If necessary and safe to do so, and if the Contractor requests it through a Type 2E Working Drawing, the Engineer may allow traffic on a bridge prior to completion.

In the second paragraph, item number 3 (up until the colon) is revised to read:

3. Provide stress calculations under the design criteria specified in the AASHTO LRFD Bridge Design Specifications, current edition, including at a minimum the following:

6-01.9 Working Drawings

This section is revised to read:

All Working Drawings required for bridges and other Structures shall conform to Section 1-05.3.

6-01.10 Utilities Supported by or Attached to Bridges

In the second paragraph, “bridge structures” is revised to read “bridges”.

6-01.14 Premolded Joint Filler

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

> The Contractor may substitute for the nails any adhesive acceptable to the Engineer.

Section 6-02, Concrete Structures
January 5, 2015

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 55ºF and 90ºF 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 50ºF and 90ºF 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)G Sampling and Testing Frequency for Temperature, Consistency, and Air Content

In the fifth sentence of the second paragraph, "five truck loads" is revised to read "ten truck loads".

The second paragraph is supplemented with the following:

If the remaining quantity to be placed is less than ten truck loads; then a sample shall be randomly taken from one of the remaining truck loads.

In the last sentence of the third paragraph, "five truck loads" is revised to read "ten truck loads".

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)A Preconstruction Meeting

This section including title is revised to read:

6-02.3(10)A Pre-Deck Pour Meeting

A pre-deck pour meeting shall be held 5 to 10 working days before placing deck concrete to discuss construction procedures, personnel, equipment to be used, concrete sampling and testing and deck finishing and curing operations. Those attending shall include, at a minimum, the superintendent, foremen in charge of placing and finishing concrete, and representatives from the concrete supplier and the concrete pump truck supplier.

If the project includes more than one bridge deck, and if the Contractor's key personnel change between concreting operations, or at request of the Engineer, additional conferences shall be held before each deck placement.

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(10)F Bridge Approach Slab Orientation and Anchors

In the first paragraph, the following sentence is inserted after the first sentence:

Unless otherwise shown in the Plans, the pavement end of the bridge approach slab shall be constructed normal to the Roadway centerline.

The following new paragraph is inserted before the last paragraph:

The compression seal shall be a 2-1/2 inch wide gland selected from the current Qualified Products List.

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)A2 Slip-Form Barrier

In the fourth paragraph, item number 1, “Type 1D” is revised to read “Type 1”.

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 presoaked 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 whiter 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 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 ¼-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(12)B Construction Joints Between Existing and New Construction

The phrase “by method(s) as approved by the Engineer” is deleted from each paragraph in this section.

6-02.3(13) Expansion Joints

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

Joints made of a vulcanized, elastomeric compound (with neoprene as the only polymer) shall be installed with a lubricant adhesive as recommended by the manufacturer.

In the third paragraph, “injuring” is revised to read “damaging”.

The following two new subsections are added:

6-02.3(13)A Strip Seal Expansion Joint System

The Contractor shall submit Working Drawings consisting of the strip seal expansion joint shop drawings in accordance with Section 6-03.3(7). These plans shall include, at a minimum, the following:

1. Plan, elevation, and sections of the joint system and all components, with dimensions and tolerances.

2. All material designations.

3. Manufacturer's written installation procedure.

4. Corrosion protection system used on the metal components.

5. Locations of welded shear studs, lifting mechanisms, temperature setting devices, and construction adjustment devices.

6. Method of sealing the system to prevent leakage of water through the joint.

The strip seal shall be removable and replaceable.

The metal components shall conform to ASTM A 36, ASTM A 992, or ASTM A 572, and shall be protected against corrosion by one of the following methods:

1. Zinc metallized in accordance with Section 6-07.3(14).

2. Hot-dip galvanized in accordance with AASHTO M 111.

3. Paint in accordance with Section 6-07.3(9). The color of the top coat shall be Federal Standard 595 Color No. 26420. The surfaces embedded in concrete shall be painted only with a shop primer coat of paint conforming to Section 9-08.1(2)C.

The strip seal gland shall be continuous for the full length of the joint with no splices permitted, unless otherwise shown in the Plans.

Other than items shown in the Plans, threaded studs used for construction adjustments are the only items that may be welded to the steel shapes provided they are removed by grinding after use, and the area repaired by application of an approved corrosion protection system.

If the opening between the steel shapes is anticipated to be less than 1-1/2 inches at the time of seal installation, the seal may be installed prior to encasement of the steel shapes in concrete.

After the joint system is installed, the joint shall be flooded with water and inspected, from below the joint, for leakage. If leakage is observed, the joint system shall be repaired by the Contractor, as recommended by the manufacturer.

6-02.3(13)B Compression Seal Expansion Joint System

Compression seal glands shall be selected from the current Qualified Products List and sized as shown in the Plans.

The compression seal expansion joint system shall be installed in accordance with the manufacturer's written recommendations. The Contractor shall submit a Type 1 Working Drawing consisting of the manufacturer's written installation procedure and repair procedures if leakage testing fails.

After the joint system is installed, the joint area shall be flooded with water and inspected, from below the joint, for leakage. If leakage is observed, the joint system shall be repaired by the Contractor, as recommended by the manufacturer.

6-02.3(14) Finishing Concrete Surfaces

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

The Contractor shall clean and refinish any stained or discolored surfaces.

The following new subsection is added:

6-02.3(14)D General Requirements for Concrete Surface Finishes Produced by Form Liners

Horizontal and vertical joints shall be spliced in accordance with the manufacturer's printed instructions. The Contractor shall submit a Type 1 Working Drawing consisting of the manufacturer’s joint splice instructions.

Horizontal splicing of ABS and plastic form liners to achieve the required height is not permitted and there shall be no horizontal joints. The concrete formed with ABS and plastic form liners shall be given a light sandblast to remove the glossy finish.

Side forms, traffic barrier forms, and pedestrian barrier forms using these form liners may be removed after 24 hours provided the concrete mix used includes a water-reducing admixture, and the concrete reaches 1,400 psi minimum compressive strength before form removal. Concrete in load supporting forms utilizing these form liners shall be cured in accordance with Section 6-02.3(17)N. Once the forms are removed, the Contractor shall treat the joint areas by patching or light sandblasting as required by the Engineer to ensure that the joints are not visible.

Form liners shall be cleaned, reconditioned, and repaired before each use. Form liners with repairs, patches, or defects which, in the opinion of the Engineer, would result in adverse effects to the concrete finish shall not be used.

Care shall be taken to ensure uniformity of color throughout the textured surface. A change in form release agent will not be allowed.

All surfaces formed by the form liner shall also receive a Class 2 surface finish. Form ties shall be a type that leaves a clean hole when removed. All spalls and form tie holes shall be filled as specified for a Class 2 surface finish.

6-02.3(14)C Pigmented Sealer for Concrete Surfaces

The first sentence (up until the colon) is revised to read:

The Contractor shall submit a Type 1 Working Drawing consisting of the pigmented sealer manufacturer's written instructions covering, at a minimum, the following:

The second paragraph is deleted.

In the last sentence of the third paragraph, "approval" is revised to read "acceptance".

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(24)E Welding Reinforced Steel

This section is revised to read:

Welding of steel reinforcing bars shall conform to the requirements of ANSI/AWS D1.4 Structural Welding Code - Reinforcing Steel, latest edition, except where superseded by the Special Provisions, Plans, and these Specifications.

Before any welding begins, the Contractor shall submit a Type 2 Working Drawing consisting of the welding procedure for each type of welded splice to be used, including the weld procedure specifications and joint details. The weld procedure specifications shall be written on a form taken from AWS D1.4 Annex A, or equivalent. Test results of tensile strength, macroetch, and visual examination shall be included. The form shall be signed and dated.

Welders shall be qualified in accordance with AWS D1.4. The Contractor shall be responsible for the testing and qualification of welders, and shall submit Type 2 Working Drawings consisting of welder qualification and retention records. The weld joint and welding position a welder is qualified in shall be in accordance with AWS D1.4. The welder qualifications shall remain in effect indefinitely unless, (1) the welder is not engaged in a given process of welding for which the welder is qualified for a period exceeding six months, or (2) there is some specific reason to question a welder's ability.

Filler metals used for welding reinforcing bars shall be in accordance with AWS D1.4 Table 5.1. All filler metals shall be low-hydrogen and handled in compliance with low-hydrogen practices specified in the AWS code.

Short circuiting transfer with gas metal arc welding will not be allowed. Slugging of welds will not be allowed.

For the purpose of compatibility with AWS D1.4, welded lap splices for spiral or hoop reinforcing shall be considered Flare-V groove welds, indirect butt joints.

The Contractor is responsible for using a welding sequence that will limit the alignment distortion of the bars due to the effects of welding. The maximum out-of-line permitted will be 1/4 inch from a 3.5-foot straight-edge centered on the weld and in line with the bar.

The ground wire from the welding machine shall be clamped to the bar being welded.

Where epoxy-coated steel reinforcing bars are specified to be spliced by welding, the epoxy coating shall be left off or removed from the surfaces to be heated, but in no cases less than six inches of each bar being welded. After the welding is complete, the Contractor shall apply epoxy patching material to the uncoated portions of the bar in accordance with Section 6-02.3(24)H.

6-02.3(25) Prestressed Concrete Girders

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

WSDOT certification will be granted at, and renewed during, the annual prestressed plant review and approval process in accordance with WSDOT Materials Manual M 46-01.04 Standard Practice QC 6.

6-02.3(25)I Fabrication Tolerances

In the first paragraph, item number 21 is revised to read:

21. Differential Camber Between Girders in a Span (measured in place at the job site):

For deck bulb tee girders and PCPS members with grouted shear keys:	Cambers shall be equalized when the differences in cambers between adjacent girders exceeds ± ¼ inch
For deck bulb tee girders and PCPS members without grouted shear keys:	Cambers shall be equalized when the differences in cambers between adjacent girders exceeds ± ½ inch
For all other prestressed concrete girders:	± ⅛ inch per 10 feet of girder length

6-02.3(25)O Deck Bulb Tee Girder Flange Connection

This section, including title, is revised to read:

Deck Bulb Tee Girder Flange and PCPS Member Connection

The Contractor shall submit a method of equalizing deflections as a Type 1 Working Drawing. Any temporary strands in the top flange shall be cut per Section 6-02.3(25)N prior to equalizing girder deflections.

Deck bulb tee girders and PCPS members with grouted shear keys shall be constructed in the following sequence:

1. Deflections shall be equalized per the Contractor's equalization plan.

2. Intermediate diaphragms shall be placed and weld ties shall be welded. Welding ground shall be attached directly to the steel plates being welded when welding the weld-ties.

3. The keyways shown in the Plans to receive grout shall be filled flush with the surrounding surfaces using a grout conforming to Section 9-20.3(2).

4. Equalization equipment shall not be removed and other construction equipment shall not be placed on the structure until intermediate diaphragms have attained a minimum compressive strength of 2,500 psi and keyway grout has achieved a minimum compressive strength of 4000 psi.

Deck bulb tee girders and PCPS members without grouted shear keys shall be constructed in the following sequence:

1. Deflections shall be equalized per the Contractor's equalization plan.

2. Intermediate diaphragms shall be placed and weld ties shall be welded. Welding ground shall be attached directly to the steel plates being welded when welding the weld-ties.

3. Equalization equipment shall not be removed and other construction equipment shall not be placed on the structure until intermediate diaphragms have attained a minimum compressive strength of 2,500 psi.

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 inhibitor conforming to Federal Specification MIL-I-22110C in the ducts.

6-02.3(28) Precast Concrete Panels

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

WSDOT Certification will be granted at, and renewed during, the annual precast plant review and approval process in accordance with WSDOT Materials Manual M 46-01.04 Standard Practice QC 7.

6-02.4 Measurement

The following three new paragraphs are inserted before the last paragraph:

Expansion joint system___seal - superstr. will be measured by the linear foot along its completed line and slope.

Expansion joint modification will be measured by the linear foot of expansion joint modified along its completed line and slope.

Prestressed concrete girder will be measured by the linear foot of girder specified in the Proposal.

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, producing concrete surface finish with form liners, 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.

In the paragraph following the bid item “Epoxy-Coated St. Reinf. Bar ___”, per pound, the first sentence is revised to read:

Payment for reinforcing steel shall include the cost of drilling holes in concrete for, and setting, steel reinforcing bar dowels with epoxy bonding agent, and furnishing, fabricating, placing, and splicing the reinforcement.

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

The following three new bid items are inserted before the bid item “Bridge Approach Slab”, per square yard:

“Expansion Joint System _____ - Superstr.”, per linear foot.

“Expansion Joint Modification - ___”, per linear foot.

“Prestressed Conc. Girder ___”, per linear foot.

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6-03.2 Materials

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

The Contractor shall submit Type 1 Working Drawings describing the methods for visibly marking the material so that it can be traced.

6-03.3(7) Shop Plans

This section is revised to read:

The Contractor shall submit all shop detail plans for fabricating the steel as Type 2 Working Drawings.

If these plans will be submitted directly from the fabricator, the Contractor shall so notify the Engineer in writing.

No material shall be fabricated until: (1) the Working Drawing review is complete, and (2) the Engineer has accepted the materials source.

Before physical completion of the project, the Contractor shall furnish the Engineer one set of reproducible copies of the as-built shop plans. The reproducible copies shall be clear, suitable for microfilming, and on permanent sheets that measure no smaller than 11 by 17-inches. Alternatively, the shop drawings may be provided in an electronic format with the concurrence of the Engineer.

6-03.3(7)A Erection Methods

The first paragraph is revised to read:

Before beginning to erect any steel Structure, the Contractor shall submit Type 2E Working Drawings consisting of the erection plan and procedure describing the methods the Contractor intends to use.

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

The erection plan and procedure shall provide complete details of the erection process including, at a minimum, the following:

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

As part of the erection plan Working Drawings, the Contractor may submit details of an engineered and fabricated lifting bracket bolted to the girder top flanges providing the following requirements are satisfied:

In the third paragraph, the second sentence of item number 4 is revised to read:

Certification documentation from a previous project may be submitted;

The last sentence of the fourth paragraph is deleted.

The last paragraph is deleted.

6-03.3(10) Straightening Bent Material

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

A limited amount of localized heat may be applied only if carefully planned and supervised, and only in accordance with the heat-straightening procedure Working Drawing submittal.

The third paragraph is revised to read:

After straightening, the Contractor shall inspect the member for fractures using a method proposed by the Contractor and accepted by the Contracting Agency.

The last paragraph is revised to read:

The procedure for heat straightening of universal mill (UM) plates by the mill or the fabricator shall be submitted as a Type 2 Working Drawing.

6-03.3(14) Edge Finishing

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

Corners along exposed edges shall be broken by light grinding or another method acceptable to the Engineer to achieve an approximate 1/16-inch chamfer or rounding.

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

The fabricator shall prevent excessive hardening of flange edges through preheating, post heating, or control of the burning process as recommended by the steel manufacturer.

The sixth paragraph is revised to read:

Hardness testing shall consist of testing thermal-cut edges with a portable hardness tester. The hardness tester, and its operating test procedures, shall be submitted as a Type 1 Working Drawing. The hardness tester shall be convertible to Rockwell C scale values.

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

If thermal-cutting operations conform to procedures established by the steel manufacturer, and hardness testing results are consistently within acceptable limits, the Engineer may authorize a reduction in the testing frequency.

6-03.3(15) Planing of Bearing Surfaces

This section is supplemented with the following new paragraph:

Where mill to bear is specified in the Plans, the bearing end of the stiffener shall be flush and square with the flange and shall have at least 75 percent of this area in contact with the flange.

6-03.3(25) Welding and Repair Welding

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

Welding and repair welding of all steel bridges shall comply with the AASHTO/AWS D1.5M/D1.5, latest edition, Bridge Welding Code.

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

No welding, including tack and temporary welds shall be done in the shop or field unless the location of the welds is shown on the shop drawings reviewed and accepted by the Engineer.

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

> Welding procedures shall accompany the shop drawing Working Drawing submittal.

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

> Welding shall not begin until completion of the shop plan Working Drawing review as required in Section 6-03.3(7).

In item number 1 of the ninth paragraph, “approves” is revised to read “concurs”.

6-03.3(25)A3 Ultrasonic Inspection

The following new paragraph is inserted before the last paragraph:

> A minimum of 30 percent of complete penetration vertical welds on steel column jackets thicker than 5/16-inch, within 1.50 column jacket diameter of the top and bottom of each column, shall be inspected. If any rejectable flaws are found, 100 percent of the weld within the specified limits shall be inspected. The largest column cross section diameter for tapered column jackets shall constitute one column jacket diameter.

6-03.3(25)A4 Magnetic Particle Inspection

Items number 3 and 4 are revised to read:

3. Complete penetration groove welds on plates $^{5}/_{16}$-inch or thinner (excluding steel column jackets) shall be 100 percent tested by the magnetic particle method. Testing shall apply to both sides of the weld, if backing plate is not used. The ends of each complete penetration groove weld at plate edges shall be tested by the magnetic particle method.

4. A minimum of 30 percent of complete penetration vertical welds on steel column jackets $^{5}/_{16}$-inch or thinner, within 1.50 column jacket diameters of the top and bottom of each column, shall be magnetic particle inspected. The largest column cross section diameter for tapered column jackets shall constitute one column jacket diameter.

The last paragraph is supplemented with the following new sentence:

> If any rejectable flaws are found in any test length of item 4 above, 100 percent of the weld within the specified limits shall be inspected.

6-03.3(27) High Strength Bolt Holes

The last paragraph is revised to read:

> The Contractor shall submit Type 2 Working Drawings consisting of a detailed outline of the procedures proposed to accomplish the work from initial drilling through shop assembly.

6-03.3(27)C Numerically Controlled Drilled Connections

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

The Contractor shall submit Type 1 Working Drawings consisting of a detailed outline of proposed N/C procedures.

6-03.3(29) Welded Shear Connectors

This section's content is deleted and replaced with the following:

Installation, production control, and inspection of welded shear connectors shall conform to Chapter 7 of the AASHTO/AWS D1.5M/D1.5:2010 Bridge Welding Code. If welded shear connectors are installed in the shop, installation shall be completed prior to applying the shop primer coat in accordance with Section 6-07.3(9)G. If welded shear connectors are installed in the field, the steel surface to be welded shall be prepared to SSPC-SP 11, power tool cleaning, just prior to welding.

6-03.3(33) Bolted Connections

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

The Contractor shall submit Type 1 Working Drawings providing documentation of the bolt tension calibrator, including brand, capacity, model, date of last calibration, and manufacturer's instructions for use.

In the second sentence of the second paragraph, the word "approved" is deleted.

In item number 3 of the fifth paragraph, "approved" is revised to read "specified".

In the tenth paragraph, item number 3, "approved" is revised to read "accepted" in the second and third sentences of the first paragraph.

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

The Contractor shall submit Type 1 Working Drawings of the tension control bolt assembly, including bolt capacities, type of bolt, nut, and washer lubricant, method of packaging and protection of the lubricated bolt, installation equipment, calibration equipment, and installation procedures.

In the second sentence of the last paragraph, "approved" is revised to read "accepted".

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

Bolts to be reused shall be relubricated in accordance with the manufacturer's recommendations.

6-03.3(33)A Pre-Erection Testing

In the fifth sentence of the first paragraph, "approved" is revised to read "accepted".

The third paragraph is revised to read:

The Contractor shall submit Type 1 Working Drawings consisting of the manufacturer's detailed procedure for pre-erection (rotational capacity) testing of tension control bolt assemblies.

6-03.3(33)B Bolting Inspection

In the last sentence of the first paragraph, "approved" is revised to read "specified".

The last paragraph is revised to read:

The Contractor shall submit Type 1 Working Drawings consisting of the manufacturer's detailed procedure for routine observation to ensure proper use of the tension control bolt assemblies.

6-03.3(42) Surface Condition

The first subparagraph is revised to read:

Painted steel surfaces shall be cleaned by methods required for the type of staining. The Contractor shall submit a Type 1 Working Drawing of the cleaning method.

Section 6-04, Timber Structures
January 5, 2015

6-04.3(3) Shop Details

This section is revised to read:

The Contractor shall submit Type 2 Working Drawings consisting of shop detail plans for all treated timber. These plans shall show dimensions for all cut, framed, or bored timbers.

Section 6-05, Piling
January 5, 2015

6-05.3(2) Ordering Piling

The last paragraph is deleted.

6-05.3(3)A Casting and Stressing

In the second sentence of the first paragraph, "poured" is revised to read "cast".

6-05.3(4) Manufacture of Steel Casings for Cast-In-Place Concrete Piles

This section is revised to read:

The diameter of steel casings shall be as specified in the Contract. A full-penetration groove weld between welded edges is required.

6-05.3(5) Manufacture of Steel Piles

This section is revised to read:

Steel piles shall be made of rolled steel H-pile sections, steel pipe piles, or of other structural steel sections described in the Contract. A full-penetration groove weld between welded edges is required.

6-05.3(6) Splicing Steel Casings and Steel Piles

This section is revised to read:

The Engineer will normally permit steel piles and steel casings for cast-in-place concrete piles to be spliced. But in each case, the Contractor shall submit Type 2 Working Drawings supporting the need and describing the method for splicing. Welded

splices shall be spaced at a minimum distance of 10 feet. Only welded splices will be permitted.

Splice welds for steel piles shall comply with Section 6-03.3(25) and AWS D1.1/D1.1M, latest edition, Structural Welding Code. Splicing of steel piles shall be performed in accordance with an approved weld procedure. The Contractor shall submit a Type 2 Working Drawing consisting of the weld procedure. For ASTM A 252 material, mill certification for each lot of pipe to be welded shall accompany the submittal. The ends of all steel pipe piling shall meet the fit-up requirements of AWS D1.1/D1.1M, latest edition, Structural Welding Code Section 5.22.3.1, "Girth Weld Alignment (Tubular)," when the material is spliced utilizing a girth weld.

Splice welds of steel casings for cast-in-place concrete piles shall be the Contractor's responsibility and shall be welded in accordance with AWS D1.1/D1.1M, latest edition, Structural Welding Code. A weld procedure submittal is not required for steel casings used for cast-in-place concrete piles. Casings that collapse or are not watertight, shall be replaced at the Contractor's expense.

6-05.3(7)B Precast Concrete Piles

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

The Contractor shall submit Type 2 Working Drawings consisting of the method of lifting the piles.

6-05.3(8) Pile Tips and Shoes

In the last paragraph, the second and third sentences are deleted and replaced with the following new sentence:

If pile tips or shoes other than those denoted in the Qualified Products List are proposed, the Contractor shall submit Type 2 Working Drawings consisting of shop drawings of the proposed pile tip along with design calculations, specifications, material chemistry and installation requirements, along with evidence of a pile driving test demonstrating suitability of the proposed pile tip.

6-05.3(9)A Pile Driving Equipment Approval

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

Prior to driving any piles, the Contractor shall submit Type 2 Working Drawings consisting of details of each proposed pile driving system.

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

The Contractor shall submit Type 2E Working Drawings consisting of a wave equation analysis for all pile driving systems used to drive piling with required ultimate bearing capacities of greater than 300 tons.

In the second paragraph, the second sentence is deleted.

The last paragraph is revised to read:

Changes to the pile driving system after completion of the Working Drawing review require a revised Working Drawing submittal.

6-05.3(9)B Pile Driving Equipment Minimum Requirements

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

For each drop hammer used, the Contractor shall weigh it in the Engineer's presence or submit a Type 1 Working Drawing consisting of a certificate of its weight.

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

For each diesel, hydraulic, steam, or air-driven hammer used, the Contractor shall submit a Type 1 Working Drawing consisting of the manufacturer's specifications and catalog.

In the fourth paragraph, "approval" is revised to read "permission".

The ninth paragraph is revised to read:

These requirements for minimum hammer size may be waived if a Type 2E Working Drawing is submitted consisting of a wave equation analysis demonstrating the ability of the hammer to obtain the required bearing capacity and minimum tip elevation without damage to the pile.

6-05.3(9)C Pile Driving Leads

In the third paragraph, "approved" is revised to read "permitted".

6-05.3(11)F Pile Damage

In the first sentence of the second paragraph, "approved" is revised to read "accepted".

6-05.3(11)G Pile Cutoff

In the first paragraph, "Engineer's approval" is revised to read "Engineer's permission".

6-05.3(11)H Pile Driving From or Near Adjacent Structures

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

3. Type 2E Working Drawings are submitted in accordance with Sections 1-05.3 and 6-02.3(16), showing the structural adequacy of the existing Structure to safely support all of the construction loads.

6-05.3(12) Determination of Bearing Values

In the footnote below the formula, "approved by the Engineer" is revised to read "acceptable to the Engineer".

6-05.3(13) Treatment of Timber Pile Heads

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

After cutting treated timber piles to correct elevation, the Contractor shall brush three coats of a preservative that meets the requirements of Section 9-09 on all pile heads (except those to be covered with concrete footings or concrete caps).

6-05.3(15) Completion of Cast-In-Place Concrete Piles

In the first paragraph, "approval" is revised to read "acceptance".

Section 6-06, Bridge Railings
January 5, 2015

6-06.3(2) Metal Railings

The second paragraph is revised to read:

Before fabricating the railing, the Contractor shall submit Type 2 Working Drawings consisting of the shop plans. The Contractor may substitute other rail connection details for those shown in the Plans if details of these changes show in the shop plans and if the Engineer accepts them in the Working Drawing response comments. In reviewing the shop plan Working Drawings, the Engineer indicates only that they are adequate and complete enough. The review does not indicate a check on dimensions.

Section 6-07, Painting
January 5, 2015

6-07.3 Painting

This section is supplemented with the following new subsections:

6-07.3(14) Metallic Coatings

6-07.3(14)A General Requirements

This specification covers the requirements for thermal spray metallic coatings, with and without additional paint coats, as a means to prevent corrosion.

The coating system consists of surface preparation by wash cleaning and abrasive blast cleaning, thermal spray application of a metallic coating using a material made specifically for that purpose, and, when specified, shop primer coat or shop primer coat plus top coat in accordance with Section 6-07.3(11)A. The system also includes inspection and acceptance requirements.

6-07.3(14)B Reference Standards

SSPC-SP 10/NACE No. 2	Near White Blast Cleaning
SSPC CS 23.00	Guide for Thermal Spray Metallic Coating Systems
ASTM-C-633	Standard Test Method for Adhesion or Cohesion Strength of Thermal Spray Coatings
ASTM D 4417	Standard Test Methods for Field Measurement of Surface Profile of Blast-Cleaned Steel
ASTM D 6386	Standard Practice for Preparation of Zinc (Hot-Dip Galvanized) Coated Iron and Steel Product and Hardware Surfaces for Painting
ASTM D 4541	Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers
ANSI/AWS C2.18	Guide for the Protection of Steel with Thermal Sprayed Coatings of Aluminum, Zinc and their Alloys and Composites

6-07.3(14)C Quality Assurance

A representative sample of each lot of the coating material used shall be submitted to the Engineer for analysis prior to use. Zinc shall have a minimum purity of 99.9

percent. Zinc Aluminum 85/15 wire shall be 14 percent minimum to 16 percent maximum aluminum.

The thermal sprayed coating shall have a uniform appearance. The coating shall not contain any blisters, cracks, chips or loosely adhering particles, oil or other surface contaminants, nodules, or pits exposing the substrate.

The thermal spray coating shall adhere to the substrate with a minimum bond of 700 psi. The Contractor's QA program shall include thermal spray coating bond testing.

The Engineer may cut through the coating with a knife or chisel. If upon doing so, any part of the coating lifts away from the base metal 1/4 in. or more ahead of the cutting blade without cutting the metal, then the bond is considered not effective and is rejected.

Coated areas which have been rejected or damaged in the inspection procedure described shall have the defective sections blast cleaned to remove all of the thermal sprayed coating and shall then be recoated. Before resubmittal and inspection, those sections where coating has not reached the required thickness shall be sprayed with additional metal until that thickness is achieved.

6-07.3(14)D Submittals

The Contractor shall submit to the Engineer, prior to abrasive blast cleaning, a 12 inch square steel plate, of the same material and approximate thickness of the steel to be coated, blasted clean in accordance with Section 6-07.3(14)E. The sample plate will be checked for specified angular surface pattern, the abrasive grit size and type used, and the procedure used. This plate shall be used as the visual standard to determine the acceptability of the cleaned surface. In the event the Contractor's cleaning operation is inferior to the sample plate, the Contractor shall be required to correct the cleaning operation to do a job comparable to the specimen submitted.

At the same time as submitting the abrasive blast cleaned steel plate sample, the Contractor shall submit to the Engineer, a second 12 inch square steel plate of the same material and thickness, cleaned and thermal spray coated in accordance with the same processes and with the same equipment as intended for use in applying the thermal spray coatings. The Engineer may request additional cleaned and thermal spray coated samples to be produced and submitted coincident with thermal spray coating of the items specified in the Plans to receive thermal spray coatings.

6-07.3(14)E Surface Preparation

Surface irregularities (e.g., sharp edges and/or carburized edges, cracks, delaminations, pits, etc.) interfering with the application of the coating shall be removed or repaired, prior to wash cleaning. Thermal cut edges shall be ground to reduce hardness to attain the surface profile required from abrasive blast cleaning.

All dirt, oil, scaling, etc. shall be removed prior to blast cleaning. All surfaces shall be wash cleaned with either clean water at 8000 psi or water and detergent at 2000 psi with two rinses with clean water.

The surface shall be abrasive blast cleaned to near white metal (SSPC-SP 10). The surface profile shall be measured using a surface profile comparator, replica tape, or other method suitable for the abrasive being used in accordance with ASTM D 4417.

Where zinc coatings up to and including 0.009 inch thick are to be applied, one of the following abrasive grits shall be used with pressure blast equipment to produce a 3.0 mils AA anchor tooth pattern:

1. Aluminum oxide or silicon carbide
   mesh size: SAE G-25 to SAE G-40

2. Hardened steel grit
   mesh size: SAE G-25 to SAE G-40

3. Garnet, flint, or crushed nickel or black beauty coal slag
   mesh size: SAE G-25 to SAE G-50

Where zinc coatings greater than 0.010 inch thick are to be applied, one of the following abrasive grits shall be used with pressure blast equipment to produce a 5.0 mils AA anchor tooth pattern:

1. Aluminum oxide or silicon carbide
   mesh size: SAE G-18 to SAE G-25

2. Hardened steel grit
   mesh size: SAE G-18 to SAE G-25

3. Garnet, flint, or crushed nickel or black beauty coal slag
   mesh size: SAE G-18 to SAE G-25

The pressure of the blast nozzle, as measured with a needle probe gauge, with pressure type blasting equipment shall be as follows:

1. With aluminum oxide, silicon carbide, flint, or slag - 50 psi minimum and 60 psi maximum.

2. With garnet or steel grit - 75 psi minimum.

The pressure at the blast nozzle, with siphon blasting (suction blasting), shall be as follows:

1. With aluminum oxide, silicon carbide, flint, or slag - 75 psi maximum.

2. With garnet or steel grit - 90 psi maximum.

The abrasive blast stream shall be directed onto the substrate surface at a spray angle of 75 to 90 degrees, and moved side to side. The nozzle to substrate distance shall be 4 to 12 inches.

6-07.3(14)F Application of Metallic Coating

No surface shall be sprayed which shows any sign of condensed moisture or which does not comply with Section 6-07.3(14)E. If rust bloom occurs within the holding time between abrasive blast cleaning and thermal spraying, the surface shall be reblasted at a blast angle as close to perpendicular to the surface as possible to achieve a 2.0 to 4.0 mil anchor tooth pattern. Thermal spraying shall not take place when the relative humidity is 90% or greater, when the steel temperature is less than 5°F above the dew point, or when the air or steel temperature is less than 40°F.

Clean, dry air shall be used with not less than 50 psi air pressure at the air regulator. Not more than 50 feet of 3/8 in. ID hose shall be used between the air regulator and the metallizing gun. The metallizing gun shall be started and adjusted with the spray directed away from the work. During the spraying operation and depending upon the equipment being used, the gun shall be held as close to perpendicular as possible to the surface from 5 to 8 inches from the surface of the work.

Manual spraying shall be done in a block pattern, typically 2 feet by 2 feet square. The sprayed metal shall overlap on each pass to ensure uniform coverage. The specified thickness of the coating shall be applied in multiple layers. In no case are fewer than two passes of thermal spraying, overlapping at right angles, acceptable.

At least one single layer of coating shall be applied within 4 hours of blasting and the surface shall be completely coated to the specified thickness within 8 hours of blasting.

The minimum coating thickness shall be 6 mils unless otherwise shown in the Plans.

6-07.3(14)G Applications of Shop Coats and Field Coats

The surface shall be wiped clean with solvent immediately before applying the wash primer. The wash primer shall have a low viscosity appropriate for absorption into the thermal spray coating, and shall be applied within 8 hours after completion of thermal spraying or before oxidation occurs. The dry film thickness of the wash primer shall not exceed 0.5 mils or be less than 0.3 mils. It shall be applied using an appropriate spray gun except in those areas where brush or roller application is necessary. The subsequent shop primer or field coats shall be applied no less than one-half hour after a wash primer.

The shop primer coat, when specified, shall be applied in accordance with Section 6-07.3(11)A and the paint manufacturer's recommendations.

All field coats, when specified, shall be applied in accordance with Section 6-07.3(11)A and the paint manufacturer's recommendations. The color of the top coat shall conform to Section 6-03.3(30) as supplemented in these Special Provisions.

6-07.3(2) Submittals

The first paragraph is revised to read:

The Contractor shall submit Type 2 Working Drawings of the painting plan.

6-07.3(10)A Containment

The second paragraph is revised to read:

> The containment length shall not exceed the length of a span (defined as pier to pier). The containment system shall not cause any damage to the existing structure. All clamps and other attachment devices shall be padded or designed such that they shall not mark or otherwise damage the steel member to which they are attached. All clamps and other attachment devices shall be fully described in the Contractor's painting plan Working Drawing submittal. Field welding of attachments to the existing structure will not be allowed. The Contractor shall not drill holes into the existing structure or through existing structural members except as shown in the Contractor's painting plan Working Drawing submittal. All provisions for dust collection, ventilation and auxiliary lighting within the containment system shall be fully described the Contractor's painting plan Working Drawing submittal.

In the second to last paragraph, “approved” is revised to read “accepted”.

6-07.3(10)E Surface Preparation – Full Paint Removal

This section is revised to read:

> For structures where full removal of existing paint is specified, the Contractor shall remove any visible oil, grease, and road tar in accordance with SSPC-SP 1.
>
> Following preparation by SSPC-SP 1, all steel surfaces to be painted shall be prepared in accordance with SSPC-SP 10, near-white metal blast cleaning. Surfaces inaccessible to near-white metal blast cleaning shall be prepared in accordance with SSPC-SP 11, power tool cleaning to bare metal, as allowed by the Engineer.

6-07.3(10)F Collecting, Testing and Disposal of Containment Waste

In the first paragraph, the last sentence before the numbered list is revised (up until the colon) to read:

> The sealed waste containers shall be stored in accordance with Section 1-06.4, the painting plan, and the following requirements:

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

> All material collected by and removed from the containment system shall be taken to a landside staging area, provided by the Contractor, for further processing and storage prior to transporting for disposal.

The ninth paragraph is revised to read:

> The Contractor shall submit a Type 1 Working Drawing of all TCLP results.

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

> The Contractor shall submit a Type 1 Working Drawing consisting of waste disposal documentation within 15 working days of each disposal.

6-07.3(10)K Coating Thickness

The last paragraph is revised to read:

> If the specified number of coats does not produce a combined dry film thickness of at least the sum of the thicknesses required per coat, or if an individual coat does not meet the minimum thickness, or if visual inspection shows incomplete coverage, the coating system will be rejected, and the Contractor shall discontinue painting and surface preparation operations and shall submit a Type 2 Working Drawing of the repair proposal. The repair proposal shall include documentation demonstrating the cause of the less than minimum thickness along with physical test results, as necessary, and modifications to work methods to prevent similar results. The Contractor shall not resume painting or surface preparation operations until receiving the Engineer's acceptance of the completed repair.

6-07.3(10)L Environmental Condition Requirements Prior to Application of Paint

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

> If a paint system manufacturer's recommendations allow for application of a paint under environmental conditions other than those specified, the Contractor shall submit a Type 2 Working Drawing consisting of a letter from the paint manufacturer specifying the environmental conditions under which the paint can be applied.

In the last sentence of the last paragraph, "approval" is revised to read "concurrence".

6-07.3(11)B1 Submittals

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

> The Contractor shall submit Type 2 Working Drawings consisting of the following information:

6-07.3(11)B3 Galvanized Surface Cleaning and Preparation

The first paragraph is revised to read:

> Galvanized surfaces receiving the powder coating shall be cleaned and prepared for coating in accordance with ASTM D 6386, and the project-specific powder coating plan.

6-07.3(11)B4 Powder Coating Application and Curing

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

> After surface preparation, the two-component powder coating shall be applied in accordance with the powder coating manufacturer's recommendations, the project-specific powder coating plan, and as follows:

6-07.3(11)B5 Testing

In the fifth sentence of the first paragraph, the phrase "as approved by the Engineer" is deleted.

The second paragraph is revised to read:

> The results of the QC testing shall be documented in a QC report, and submitted as a Type 2 Working Drawing.

In the fourth paragraph, the phrase “as approved by the Engineer” is deleted.

In the last paragraph, “Engineer’s approval” is revised to read “Engineer’s acceptance”.

6-07.3(11)B6 Coating Protection for Shipping

The phrase “as approved by the Engineer” is deleted from this section.

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

> After erection, all coating damage due to the Contractor’s shipping, storage, handling, and erection operations shall be repaired by the Contractor in accordance with the project-specific powder coating plan.

6-07.5 Payment

The following new paragraph is inserted before the last paragraph:

> All costs in connection with producing the metallic coatings as specified shall be included in the unit contract price for the applicable item or items of work.

Section 6-09, Modified Concrete Overlays
January 5, 2015

6-09.2 Materials

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

> Microsilica will be accepted based on submittal of a Manufacturer’s Certificate of Compliance.

The seventh paragraph is revised to read:

> Latex admixture will be accepted based on submittal of a Manufacturer’s Certificate of Compliance.

6-09.3(1)H Mobile Mixer for Latex Modified Concrete

In item number 2 of the first paragraph, “An approved recording meter” is revised to read “A recording meter”.

In item number 3 of the first paragraph, “an approved flow meter” is revised to read “a flow meter”.

6-09.3(1)J Finishing Machine

The last two sentences of the last paragraph are revised to read:

> A machine with a vibrating pan as an integral part may be proposed. Other finishing machines will be allowed subject to concurrence of the Engineer.

6-09.3(2) Submittals

This section is revised to read:

The Contractor shall submit the following Working Drawings in accordance with Section 1-05.3:

1. A Type 1 Working Drawing of the type of machine (rotary milling, hydro-demolition, or shot blasting) selected by the Contractor for use in this project to scarify concrete surfaces.

2. A Type 1 Working Drawing of the axle loads and axle spacing of the rotary milling machine (if used).

3. A Type 2 Working Drawing of the Runoff Water Disposal Plan (if a hydro-demolition machine is used). The Runoff Water Disposal Plan shall describe all provisions for the containment, collection, filtering, and disposal of all runoff water and associated contaminants generated by the hydro-demolition process, including containment, collection and disposal of runoff water and debris escaping through breaks in the bridge deck.

4. A Type 2 Working Drawing of the method and materials used to contain, collect, and dispose of all concrete debris generated by the scarifying process, including provisions for protecting adjacent traffic from flying debris.

5. A Type 1 Working Drawing of the mix design for concrete Class M, and either fly ash modified concrete, microsilica modified concrete, or latex modified concrete, as selected by the Contractor for use in this project in accordance with Section 6-09.3(3).

6. A Type 1 Working Drawing of samples of the latex admixture and the portland cement for testing and compatibility (if latex modified concrete is used).

7. A Type 2 Working Drawing of the paving equipment specifications and details of the screed rail support system, including details of anchoring the rails and providing rail continuity.

6-09.3(3)A General

In the last paragraph, the phrase “and as approved by the Engineer” is deleted.

6-09.3(4)B Latex Admixture

In the second sentence of the second paragraph, the phrase “and as approved by the Engineer” is deleted.

6-09.3(5)A General

The second paragraph is deleted.

In the third and fourth paragraphs, the phrase “and as approved by the Engineer” is deleted.

In the fifth paragraph, “approved by the Engineer” is revised to read “acceptable to the Engineer”.

6-09.3(5)B Testing of Hydro-Demolition and Shot Blasting Machines

In the last sentence of the last paragraph, “approval” is revised to read “acceptance”.

6-09.3(5)C Hydro-Demolishing

In the third and fourth paragraphs, the phrase “as approved by the Engineer” is deleted.

6-09.3(6)B Deck Repair Preparation

The second to last paragraph is revised to read the following three new paragraphs:

The exposed steel reinforcing bars and concrete in the repair area shall be sandblasted or hydro-blasted and blown clean just prior to placing concrete.

Where existing steel reinforcing bars inside deck repair areas show deterioration exceeding the limits defined in the Plans, the Contractor shall furnish and place steel reinforcing bars alongside the deteriorated bars in accordance with the details shown in the Plans. Payment for such extra Work will be by force account as provided in Section 1-09.6.

Bridge deck areas outside the repair area or steel reinforcing bar inside or outside the repair area damaged by the Contractor’s operations, shall be repaired by the Contractor at no additional expense to the Contracting Agency, and to the satisfaction of the Engineer.

6-09.3(6)C Placing Deck Repair Concrete

The third paragraph is supplemented with the following:

The Work of Type 1 further deck preparation shall consist of removing and disposing of the concrete within the repair area.

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

The Work of Type 2 further deck preparation shall consist of removing and disposing of concrete within the repair area, and furnishing, placing, finishing, and curing the repair concrete.

6-09.3(7) Surface Preparation for Concrete Overlay

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

If either a rotary milling machine or a shot blasting machine is used for concrete scarification, then the concrete deck shall be sandblasted or shot blasted, using equipment identified in the Working Drawing submittals, until sound concrete is exposed.

The third paragraph is revised to read:

If a hydro-demolition machine is used for concrete scarification, then the concrete deck shall be cleaned by water blasting with 7,000 psi minimum pressure, until sound concrete is exposed.

In the fourth paragraph, “as approved by the Engineer” is revised to read “accepted by the Engineer”.

In the last sentence of the eighth paragraph, the phrase “as approved by the Engineer” is deleted.

In the first sentence of the last paragraph, “approved” is revised to read “allowed”.

6-09.3(8)B Quality Assurance for Latex Modified Concrete Overlays

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

> The technical representative shall be capable of performing, demonstrating, inspecting, and testing all of the functions required for placement of the latex modified concrete as specified in Section 6-09.3(11).

The fourth sentence of the last paragraph is revised to read:

> Recommendations made by the technical representative on or off the jobsite shall be adhered to by the Contractor at no additional expense to the Contracting Agency.

6-09.3(10)A Survey of Existing Bridge Deck Prior to Scarification

The third sentence of the fourth paragraph is revised to read:

> A Type 1 Working Drawing of each day's survey record shall be provided to the Engineer within three working days after the end of the shift.

6-09.3(10)B Establishing Finish Overlay Profile

In the fourth sentence of the first paragraph, “approved by the Engineer” is revised to read “specified by the Engineer”.

In the second paragraph, the phrase “and as approved by the Engineer” is deleted.

6-09.3(11) Placing Concrete Overlay

In the fourth paragraph, the last sentence of item number 3 is revised to read:

> If the Contractor elects to work at night to meet these criteria, adequate lighting shall be provided at no additional expense to the Contracting Agency.

6-09.4 Measurement

The last paragraph is deleted and replaced with the following:

> Further deck preparation for Type 1 deck repair and for Type 2 deck repair will be measured by the square foot of surface area of deck concrete removed in accordance with Section 6-09.3(6).

6-09.5 Payment

The Bid item “Further Deck Preparation”, per cubic foot and the paragraph following this Bid item are deleted and replaced with the following two new Bid items:

> “Further Deck Preparation for Type 1 Deck Repair”, per square foot.
>
> “Further Deck Preparation for Type 2 Deck Repair”, per square foot.

The Bid item “Further Deck Preparation”, force account and the paragraph following this Bid item are deleted.

Section 6-10, Concrete Barrier
January 5, 2015

6-10.1 Description
In the second paragraph, “approved” is revised to read “specified”.

6-10.3 Construction Requirements
In the first paragraph, “approved” is revised to read “specified”.

6-10.3(5) Temporary Concrete Barrier
The last sentence of the first paragraph is deleted.

The second paragraph is revised to read:

> If the Contract calls for the removal and resetting of permanent barrier, and the permanent barrier is not required to remain in place until reset, the permanent barrier may be substituted for temporary concrete barrier. Any of the permanent barrier damaged during its use as temporary barrier will become the property of the Contractor and be replaced with permanent barrier when the permanent barrier is reset to its permanent location.

The third paragraph is revised to read:

> All barrier shall be in good condition, without cracks, chips, spalls, dirt, or traffic marks. If any barrier segment is damaged during or after placement, the Contractor shall immediately repair it to the Engineer’s satisfaction or replace it with an undamaged section.

The following new paragraph is inserted after the third paragraph:

> Delineators shall be placed on the traffic face of the barrier 6 inches from the top and spaced a maximum of 40 feet on tangents and 20 feet through curves. The reflector color shall be white on the right side of traffic and yellow on the left side of traffic. The Contractor shall maintain, replace and clean the delineators when ordered by the Engineer.

Section 6-11, Reinforced Concrete Walls
January 5, 2015

6-11.3(1) Submittals
The first paragraph is revised to read:

> The Contractor shall submit Type 2E Working Drawings consisting of excavation shoring plans in accordance with Section 2-09.3(3)D.

The second paragraph is revised to read:

> The Contractor shall submit Type 2E Working Drawings of falsework and formwork plans in accordance with Sections 6-02.3(16) and 6-02.3(17).

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

If the Contractor elects to fabricate and erect precast concrete wall stem panels, Type 2E Working Drawings of the following information shall be submitted in accordance with Section 6-02.3(28)A:

The last paragraph is deleted.

6-11.3(3) Precast Concrete Wall Stem Panels

In the third paragraph, the phrase “as approved by the Engineer” is deleted.

Section 6-12, Noise Barrier Walls
January 5, 2015

6-12.3(1) Submittals

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

The Contractor shall submit a Type 2 Working Drawing consisting of the noise barrier wall access plan.

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

For construction of all noise barrier walls with shafts, the Contractor shall submit a Type 2 Working Drawing consisting of the shaft construction plan, including at a minimum the following information:

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

For construction of precast concrete noise barrier walls, the Contractor shall submit Type 2 Working Drawings consisting of shop drawings for the precast concrete panels in accordance with Section 6-02.3(28)A.

6-12.3(2) Work Access and Site Preparation

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

The Contractor shall construct work access in accordance with the work access plan.

6-12.3(3) Shaft Construction

The first paragraph is revised to read:

The Contractor shall excavate and construct the shafts in accordance with the shaft construction plan.

In the last sentence of the third paragraph, “approved by the Engineer” is revised to read “acceptable to the Engineer”.

The fourth paragraph is revised to read:

When caving conditions are encountered, the Contractor shall stop further excavation until implementing the method to prevent ground caving as specified in the shaft construction plan.

In the last sentence of the fifth paragraph, “approved” is revised to read “accepted”.

In the seventh paragraph, “approval” is revised to read “acceptance”.

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

> The Contractor shall install the steel reinforcing bar cage as specified in the shaft construction plan.

In the second sentence of the last paragraph, “approval” is revised to read “acceptance”.

In the fourth sentence of the last paragraph, the word “approved” is deleted.

6-12.3(6) Precast Concrete Panel Fabrication and Erection

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

> After receiving the Engineer’s review of the shop drawings, the Contractor shall cast one precast concrete panel to be used as the sample panel. The Contractor shall construct the sample panel in accordance with the procedure and details specified in the shop drawings. The Contractor shall make the sample panel available to the Engineer for acceptance.

In item number 3, the first sentence of the third paragraph is revised to read:

> Upon receiving the Engineer’s acceptance of the sample panel, the Contractor shall continue production of precast concrete panels for the noise barrier wall.

In item number 3, the third sentence of the third paragraph is revised to read:

> The sample panel shall be retained at the fabrication site until all precast concrete panels have been fabricated and accepted.

6-12.3(10) Finish Line Ground Dressing

In the last sentence of the second paragraph, the phrase “as approved by the Engineer” is deleted.

Section 6-13, Structural Earth Walls
January 5, 2015

6-13.3(1) Quality Assurance

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

> The structural earth wall manufacturer shall provide a qualified and experienced representative to resolve wall construction problems.

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

> Recommendations made by the structural earth wall manufacturer’s representative shall be followed by the Contractor.

In the second paragraph, item number 4 is revised to read:

> 4. The base of the structural earth wall excavation shall be within three inches of the staked elevations, unless otherwise accepted or specified by the Engineer.

In the second paragraph, item number 6 is revised to read:

6. The backfill reinforcement layers shall be located horizontally and vertically within one inch of the locations shown in the structural earth wall working drawings.

6-13.3(2) Submittals

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

The Contractor, or the supplier as the Contractor's agent, shall furnish a Manufacturer's Certificate of Compliance certifying that the structural earth wall materials conform to the specified material requirements.

The second paragraph is revised to read:

A Type 1 Working Drawing of all test results, performed by the Contractor or the Contractor's supplier, which are necessary to assure compliance with the specifications, shall submitted along with each Manufacturer's Certificate of Compliance.

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

Before fabrication, the Contractor shall submit a Type 1 Working Drawing consisting of the field construction manual for the structural earth walls, prepared by the wall manufacturer.

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

The Contractor, through the license/patent holder for the structural earth wall system, shall submit Type 2E Working Drawings consisting of detailed design calculations and details.

The last paragraph is deleted.

6-13.3(3) Excavation and Foundation Preparation

In the first paragraph, the last two sentences are revised to read:

The foundation for the structure shall be graded level for a width equal to or exceeding the length of reinforcing as shown in the structural earth wall working drawings and, for walls with geogrid reinforcing, in accordance with Section 2-12.3. Prior to wall construction, the foundation, if not in rock, shall be compacted as accepted by the Engineer.

6-13.3(6) Welded Wire Faced Structural Earth Wall Erection

The first two sentences are revised to read:

The Contractor shall erect the welded wire wall reinforcement in accordance with the wall manufacturer's field construction manual. Construction geotextile for wall facing shall be placed between the backfill material within the reinforced zone and the coarse granular material immediately behind the welded wire wall facing, as shown in the Plans and the structural earth wall working drawings.

6-13.3(7) Backfill

The third paragraph is revised to read:

> Misalignment or distortion of the precast concrete facing panels or concrete blocks due to placement of backfill outside the limits of this specification shall be corrected in a manner acceptable to the Engineer.

In item number 4 of the fifth paragraph, the phrase “as approved by the Engineer” is deleted.

The last paragraph is deleted.

6-13.3(8) Guardrail Placement

In the first sentence of the second paragraph, “approval” is revised to read “permission”.

6-13.3(9) SEW Traffic Barrier and SEW Pedestrian Barrier

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

> The Contractor, in conjunction with the structural earth wall manufacturer, shall design and detail the SEW traffic barrier and SEW pedestrian barrier in accordance with Section 6-12.3(2) and the above ground geometry details shown in the Plans. The barrier Working Drawings and supporting calculations shall be Type 2E and shall include, at a minimum, the following:

Section 6-14, Geosynthetic Retaining Walls
January 5, 2015

6-14.2 Materials

In the first paragraph, the section number next to “Anchor rods and associated nuts, washers and couplers” is revised to read:

> 9-06.5(4)

The following new paragraph is inserted after the first paragraph:

> Anchor plate shall conform to ASTM A 36, ASTM A 572 Grade 50, or ASTM A 588.

6-14.3(2) Submittals

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

> The Contractor shall submit Type 2 Working Drawings consisting of detailed plans for each wall. As a minimum, the submittals shall include the following:

6-14.3(4) Erection and Backfill

In the second sentence of the second paragraph, “approved by” is revised to read “acceptable to”.

In the last sentence of the fifth paragraph, “approval” is revised to read “permission”.

The sixth paragraph is deleted.

In item number 5 in the eighth paragraph, the phrase “as approved by the Engineer” is deleted.

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

> The Contractor shall construct wall corners at the locations shown in the Plans, and in accordance with the wall corner construction sequence and method in the Working Drawing submittal.

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

> Where required by retaining wall profile grade, the Contractor shall terminate top layers of retaining wall geosynthetic and backfill in accordance with the method in the Working Drawing submittal.

6-14.5 Payment

In the paragraph following the Bid item “Concrete Fascia Panel”, per square foot, “concrete leveling pad” is revised to read “concrete footing”.

Section 6-15, Soil Nail Walls
January 15, 2015

6-15.3(3) Submittals

The first paragraph (excluding the numbered list) is revised to read:

> The Contractor shall submit Type 2 Working Drawings of the following information:

6-15.3(6) Soil Nailing

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

> Damaged or defective encapsulation shall be repaired in accordance with the manufacturer’s recommendations.

The eighth paragraph is revised to read:

> If sections of the wall are constructed at different times than the adjacent soil nail sections, the Contractor shall use stabilizing berms, temporary slopes, or other measures acceptable to the Engineer, to prevent sloughing or failure of the adjacent soil nail sections.

6-15.3(8) Soil Nail Testing and Acceptance

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

> The Contractor shall submit Type 1 Working Drawings of all test data.

The last sentence of the seventh paragraph is revised to read:

> The Contractor shall submit Type 2E Working Drawings of the reaction frame.

6-15.3(8)A Verification Testing

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

The Contractor shall submit Type 2E Working Drawings consisting of design details of the verification testing, including the system for distributing test load pressures to the excavation surface and appropriate nail bar size and reaction plate.

Section 6-16, Soldier Pile and Soldier Pile Tieback Walls
January 5, 2015

6-16.3(2) Submittals

The first paragraph is revised to read:

The Contractor shall submit Type 2 Working Drawings consisting of shop plans as specified in Section 6-03.3(7) for all structural steel, including the steel soldier piles, and shall submit Type 2 Working Drawings consisting of shop plans and other details as specified in Section 6-17.3(3) for permanent ground anchors.

The second paragraph is revised to read:

The Contractor shall submit Type 1 Working Drawings consisting of the permanent ground anchor grout mix design and the procedures for placing the grout.

The third paragraph (excluding the numbered list) is revised to read:

The Contractor shall submit Type 2E Working Drawings consisting of forming plans for the concrete fascia panels, as specified in Sections 6-02.3(16) and 6-02.3(17).

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

The Contractor shall submit Type 2 Working Drawings consisting of a shaft installation plan.

The last paragraph is deleted.

6-16.3(3) Shaft Excavation

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

A temporary casing, slurry, or other methods specified in the shaft installation plan shall be used if necessary to ensure such safety and stability.

The fourth paragraph is revised to read:

Where caving in conditions are encountered, no further excavation will be allowed until the Contractor has implemented the method to prevent ground caving as submitted in accordance with item 4 of the Shaft Installation Plan.

The sixth paragraph is revised to read:

The excavated shaft shall be inspected and receive acceptance by the Engineer prior to proceeding with construction.

6-16.3(6)B Temporary Lagging

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

The Contractor shall submit Type 2E Working Drawings consisting of the soldier pile wall lagging design details and supporting design calculations. The submittal shall include, at a minimum, the following:

In item number 4 of the second paragraph, “approved by” is revised to read “acceptable to”.

The last paragraph (excluding the table) is revised to read:

Notwithstanding the requirements of Section 1-06.1, steel materials used by the Contractor as temporary lagging may be salvaged steel provided that the use of such salvaged steel materials shall be subject to visual inspection and acceptance by the Engineer. For salvaged steel materials where the grade of steel cannot be positively identified, the design stresses for the steel shall conform to the Section 6-02.3(17)B requirements for salvaged steel, regardless of whether rivets are present or not.

6-16.3(6)D Installing Lagging and Permanent Ground Anchor

In the last sentence of the second paragraph, the phrase “as approved by the Engineer” is deleted.

In the last sentence of the fourth paragraph, the phrase “as approved by the Engineer” is deleted.

6-16.3(8) Concrete Fascia Panel

In the first paragraph, the phrase “as approved by the Engineer” is deleted.

Section 6-17, Permanent Ground Anchors
January 5, 2015

6-17.3(3) Submittals

The first paragraph is revised to read:

The Contractor shall submit Type 2 Working Drawings consisting of details and structural design calculations for the ground anchor system or systems intended for use.

The second paragraph is revised to read:

The Contractor shall submit a Type 1 Working Drawing consisting of a detailed description of the construction procedure proposed for use.

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

The Contractor shall submit a Type 2 Working Drawing consisting of ground anchor schedule giving:

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

The Contractor shall submit a Type 2 Working Drawing detailing the ground anchor tendon and the corrosion protection system.

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

3. Unbonded length corrosion protection system, including the permanent rubber seal between the trumpet and the tendon unbonded length corrosion protection and the transition between the tendon bond length and the unbonded tendon length corrosion protection.

The last five paragraphs are deleted and replaced with the following four new paragraphs:

The Contractor shall submit Type 2 Working Drawings consisting of shop plans as specified in Section 6-03.3(7) for all structural steel, including the permanent ground anchors.

The Contractor shall submit Type 1 Working Drawings consisting of the mix design for the grout conforming to Section 9-20.3(4) and the procedures for placing the grout. The Contractor shall also submit the methods and materials used in filling the annulus over the unbonded length of the anchor.

The Contractor shall submit Type 2 Working Drawings consisting of the method proposed to be followed for the permanent ground anchor testing. This shall include all necessary drawings and details to clearly describe the method proposed.

The Contractor shall submit Type 2 Working Drawings consisting of calibration data for each load cell, test jack, pressure gauge and master pressure gauge to be used. The calibration tests shall have been performed by an independent testing laboratory and tests shall have been performed within 60 calendar days of the date submitted.

6-17.3(5) Tendon Fabrication

In the tenth paragraph, the last sentence is deleted.

The twelfth paragraph is revised to read:

The total anchor length shall not be less than that indicated in the Plans or the Working Drawing submittal.

In the last paragraph, the phrase “as approved by the Engineer” is deleted.

6-17.3(7) Installing Permanent Ground Anchor

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

The Contractor’s method to prevent ground movement shall be submitted as a Type 2 Working Drawing.

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

At the point of entry the ground anchor shall be installed within plus or minus three degrees of the inclination from horizontal shown in the Plans or the Working Drawing submittal.

Section 6-18, Shotcrete Facing
January 5, 2015

6-18.3(1) Submittals

In the first paragraph, the first sentence (up until the colon) is revised to read:

The Contractor shall submit Type 2 Working Drawings consisting of the following:

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

2. Method and equipment used to apply, finish and cure the shotcrete facing.

The last paragraph is deleted.

6-18.3(2) Mix Design

In the first paragraph, the second and third sentences are deleted.

In the last sentence of the second paragraph, “and approved by the Engineer” is deleted.

6-18.3(3)A Preproduction Testing

In the last sentence, “approved” is revised to read “accepted”.

6-18.3(7) Shotcrete Application

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

If field inspection or testing, by the Engineer, indicates that any shotcrete produced, fails to meet the requirements, the Contractor shall immediately modify procedures, equipment, or system, as necessary to produce specification material.

Section 6-19, Shafts
January 5, 2015

6-19.3(2) Shaft Construction Submittal

The last sentence is revised to read:

The submittals shall be Type 2 Working Drawings, except the shaft slurry technical assistance submittal shall be Type 1.

6-19.3(3) Shaft Excavation

In the first paragraph, the phrase “as approved by the Engineer” is deleted.

6-19.3(3)B4 Temporary Telescoping Shaft Casing

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

The Contractor shall submit the request to use temporary telescoping casing as a Type 2 Working Drawing.

6-19.3(3)D Bottom of Shaft Excavation

In the first sentence of the second paragraph, “approved” is revised to read “accepted”.

6-19.3(3)E Shaft Obstruction

In the last sentence, “approved” is revised to read “accepted”.

6-19.3(3)F Voids Between Permanent Casing and Shaft Excavation

In the last sentence, the words “and as approved by the Engineer” are deleted.

6-19.3(3)G Operating Shaft Excavation Equipment From an Existing Bridge

The second sentence is revised to read:

If necessary and safe to do so, and if the Contractor submits a Type 2 Working Drawing consisting of a written request in accordance with Section 6-01.6, the Engineer may permit operation of drilling equipment on a bridge.

6-19.3(3)H Seals for Shaft Excavation in Water

The first paragraph is revised to read:

When shafts are constructed in water and the Plans show a seal between the casing shoring and the upper portion of the permanent casing of the shaft, the Contractor shall construct a seal in accordance with the shaft installation narrative specified in Section 6-19.3(2)B Item 7.

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

If the Contractor uses a casing shoring diameter other than that specified in the Plans, the Contractor shall submit a revised seal design in accordance with Section 6-19.3(2)B Item 7.

6-19.3(4)C Slurry Sampling and Testing

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

Synthetic slurry shall conform to Section 9-36.2(2), the quality control plan included in the shaft installation narrative in accordance with Section 6-19.3(2)B Item 4.

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

These records shall be submitted as a Type 1 Working Drawing once the slurry system has been established in the first drilled shaft on the project.

6-19.3(4)E Maintenance of a Stable Shaft Excavation

In the last sentence of the first paragraph, “approval” is revised to read “review”.

6-19.3(4)F Disposal of Slurry and Slurry Contacted Spoils

This section is revised to read:

The Contractor shall manage and dispose of the slurry wastewater in accordance with Section 8-01.3(1)C. Slurry-contacted spoils shall be disposed of as specified in the shaft installation narrative in accordance with Section 6-19.3(2)B, item 8, and in accordance with the following requirements:

1. Uncontaminated spoils in contact with water-only slurry may be disposed of as clean fill.

2. Uncontaminated spoils in contact with water slurry mixed with flocculants approved in Section 8-01.3(1)C3 may be disposed of as clean fill away from areas that drain to surface waters of the state.

3. Spoils in contact with synthetic slurry or water slurry with polymer-based additives or flocculants not approved in Section 8-01.3(1)C3 shall be disposed

of in accordance with Section 2-03.3(7)C. With permission of the Engineer, the Contractor may re-use these spoils on-site.

4. Spoils in contact with mineral slurry shall be disposed of in accordance with Section 2-03.3(7)C. With permission of the Engineer, the Contractor may re-use these spoils on-site.

6-19.3(5)A Steel Reinforcing Bar Cage Assembly

In the second to last sentence of the first paragraph, the phrase “as approved by the Engineer” is deleted.

6-19.3(5)D Steel Reinforcing Bar Cage Support at Base of Shaft Excavation

The first sentence is revised to read:

For shafts with temporary casing within 15-feet of the bottom of shaft elevation as specified in the Plans, the Contractor may place quarry spalls or other rock backfill acceptable to the Engineer into the shaft below the specified bottom of shaft elevation as a means to support the steel reinforcing bar cage, provided that the materials and means to accomplish this have been addressed by the shaft installation narrative, as specified in Section 6-19.3(2)B Item 9.

6-19.3(6)C Care for CSL Access Tubes From Erection Through CSL Testing

In the last sentence, “as approved by the Engineer” is revised to read “acceptable to the Engineer”.

6-19.3(8)C Requirements for Leaving Temporary Casing in Place

Item number 1 (up until the colon) is revised to read:

1. The Contractor shall submit a Type 2E Working Drawing of the following information:

Item number 2 is deleted.

6-19.3(9)D Requirements to Continue Shaft Excavation Prior to Acceptance of First Shaft

This section is revised to read:

Except as otherwise noted, the Contractor shall not commence subsequent shaft excavations until receiving the Engineer's acceptance of the first shaft, based on the results and analysis of the crosshole sonic log testing for the first shaft. The Contractor may commence subsequent shaft excavations prior to receiving the Engineer’s acceptance of the first shaft, provided the following condition is satisfied:

The Engineer permits continuing with shaft construction based on the Engineer’s observations of the construction of the first shaft, including, but not limited to, conformance to the shaft installation narrative in accordance with Section 6-19.3(2)B, and the Engineer’s review of Contractor’s daily reports and Inspector’s daily logs concerning excavation, steel reinforcing bar placement, and concrete placement.

6-19.3(9)F Contractor’s Investigation and Remedial Action Plan

This section is revised to read:

For all shafts determined to be unacceptable, the Contractor shall submit a Type 2 Working Drawing consisting of a plan for further investigation or remedial action. All modifications to the dimensions of the shafts, as shown in the Plans, required by the investigation and remedial action plan shall be supported by calculations and working drawings. All investigation and remedial correction procedures and designs shall be submitted.

6-19.3(9)H Cored Holes

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

Prior to beginning coring, the Contractor shall submit Type 2 Working Drawings consisting of the method and equipment used to drill and remove cores from shaft concrete.

Section 8-01, Erosion Control and Water Pollution Control
January 5, 2015

8-01.2 Materials

This section is supplemented with the following new paragraph:

For all seed the Contractor shall furnish the Engineer with the following documentation:

1. The state or provincial seed dealer license and endorsements.

2. Copies of Washington State Department of Agriculture (WSDA) test results on each lot of seed. Test results must be within six months prior to the date of application.

8-01.3(1)A Submittals

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

Modified TESC Plans shall meet all requirements of the current edition of the WSDOT Temporary Erosion and Sediment Control Manual M 3109.

8-01.3(1)C Water Management

Items number 1 through 3 are deleted.

This section is supplemented with the following new subsections:

8-01.3(1)C1 Disposal of Dewatering Water

When uncontaminated groundwater with a pH range of 6.5 – 8.5 is encountered in an excavation, it may be disposed of as follows:

1. When the turbidity of the groundwater is 25 NTU or less, it may bypass detention and treatment facilities and be discharged into the stormwater conveyance system at a rate that will not cause erosion or flooding in the receiving surface water body.

2. When the turbidity of the groundwater is not more than 25 NTU above or 125% of the turbidity of the site stormwater runoff, whichever is greater, the same detention and treatment facilities as used to treat the site runoff may be used.

3. When the turbidity of the groundwater is more than 25 NTU above or 125% of the turbidity of the site stormwater runoff, whichever is greater, the groundwater shall be treated separately from the site stormwater.

Alternatively, the Contractor may pursue independent disposal and treatment alternatives that do not use the stormwater conveyance system.

8-01.3(1)C2 Process Wastewater

Wastewater generated on-site as a byproduct of a construction process shall not be discharged to surface waters of the State. Some sources of process wastewater may be infiltrated in accordance with the NPDES Construction Stormwater General Permit.

8-01.3(1)C3 Shaft Drilling Slurry Wastewater

Wastewater generated on-site during shaft drilling activity shall be managed and disposed of in accordance with the requirements below. No shaft drilling slurry wastewater shall be discharged to surface waters of the State. Neither the sediment nor liquid portions of the shaft drilling slurry wastewater shall be contaminated, as detectable by visible or olfactory indication (e.g., chemical sheen or smell).

1. Water-only shaft drilling slurry or water slurry with approved flocculants may be infiltrated on-site. Flocculants used shall meet the requirements of Section 9-14.5(1) or shall be chitosan products listed as General Use Level Designation (GULD) on the Department of Ecology's stormwater treatment technologies webpage for construction treatment. Infiltration is permitted if the following requirements are met:

    a. Wastewater shall have a pH of 6.5 – 8.5 prior to discharge.

    b. The source water meets drinking water standards or the Groundwater Quality Criteria listed in WAC 173-200-040.

    c. The amount of flocculant added to the slurry shall be kept to the minimum needed to adequately settle out solids. The flocculant shall be thoroughly mixed into the slurry.

    d. Infiltration locations shall be at least 100 feet away from surface waters, wells, on-site sewage systems, aquifer-sensitive recharge areas, sole source aquifers, and well-head protection areas. Before infiltration begins, there shall be a minimum of 5 feet of unsaturated soil between the soil surface receiving the wastewater for infiltration and the groundwater surface (i.e., saturated soil).

    e. The slurry removed from the shaft shall be contained in a leak proof cell or tank for a minimum of 3 hours.

    f. Within a 24 hour period, a maximum of 21,000 gallons of slurry wastewater may be infiltrated in an infiltration location. The infiltration rate shall be reduced if needed to prevent wastewater from leaving the infiltration location. The infiltration site shall be monitored regularly during infiltration activity. All wastewater discharged to the ground must fully infiltrate and discharges must stop before the end of each work day.

g. After infiltration activity is complete, loose sediment in the infiltration location that may have resulted from the infiltration activity or the removal of BMPs used to manage infiltration activity shall be stabilized to prevent mobilization by stormwater runoff.

h. Drilling spoils and settled sediments remaining in the containment cell or tank shall be disposed of in accordance with Section 6-19.3(4)F.

i. Infiltration locations shall be marked on the on-site temporary erosion and sediment control (TESC) plan sheets before the infiltration activity begins.

j. Prior to infiltrating water-only shaft drilling slurry or water slurry with approved flocculants, the Contractor shall submit a Shaft Drilling Slurry Wastewater Management and Infiltration Plan as a Type 2 Working Drawing. This Plan shall be kept on-site, adapted if needed to meet the construction requirements, and updated to reflect what is being done in the field. The Working Drawing shall include, at a minimum, the following information:

    i. Plan sheet showing the proposed infiltration location and all surface waters, wells, on-site sewage systems, aquifer-sensitive recharge areas, sole source aquifers, and well-head protection areas within 150 feet.

    ii. The proposed elevation of soil surface receiving the wastewater for infiltration and the anticipated phreatic surface (i.e., saturated soil).

    iii. The source of the water used to produce the slurry.

    iv. The estimated total volume of wastewater to be infiltrated.

    v. The approved flocculant to be used (if any).

    vi. The controls or methods (e.g., trenches, traps, berms, silt fence, dispersion, or discharge metering devices) that will be used to prevent surface wastewater runoff from leaving the infiltration location. The Working Drawing shall include all pertinent design details (e.g., sizing of trenches or traps, placement or height of berms, application techniques) needed to demonstrate the proposed controls or methods are adequate to prevent surface wastewater runoff from leaving the infiltration location.

    vii. The strategy for removing slurry wastewater from the shaft and containing the slurry wastewater once it has been removed from the shaft.

    viii. The strategy for monitoring infiltration activity and adapting methods to ensure compliance.

ix. A contingency plan that can be implemented immediately if it becomes evident that the controls in place or methods being used are not adequate.

x. The strategy for cleaning up the infiltration location after the infiltration activity is done. Cleanup shall include stabilizing any loose sediment on the surface within the infiltration area generated as a byproduct of suspended solids in the infiltrated wastewater or soil disturbance associated with BMP placement and removal.

2. Shaft drilling mineral slurry, synthetic slurry, or slurry with polymer additives not approved for infiltration shall be contained and disposed of by the Contractor at an approved disposal facility in accordance with Section 2-03.3(7)C. Spoils that have come into contact with mineral slurry shall be disposed of in accordance with Section 6-19.3(4)F.

8-01.3(1)C4 Management of Off-Site Water

Prior to disruption of the normal watercourse, the Contractor shall intercept the off-site surface water and pipe it either through or around the project site. This water shall not be combined with on-site stormwater. It shall be discharged at its preconstruction outfall point in such a manner that there is no increase in erosion below the site. The Contractor shall submit a Type 2 Working Drawing consisting of the method for performing this Work.

8-01.3(2)A Preparation for Application

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

8-01.3(2)A1 Seeding

Areas to be cultivated are shown in the Plans or specified in the Special Provisions. The areas shall be cultivated to the depths specified to provide a reasonably firm but friable seedbed. Cultivation shall take place no sooner than 2 weeks prior to seeding.

All areas to be seeded, including excavated slopes shall be compacted and prepared unless otherwise specified or ordered by the Engineer. A cleated roller, crawler tractor, or similar equipment that forms longitudinal depressions at least 2 inches deep shall be used for compaction and preparation of the surface to be seeded.

The entire area shall be uniformly covered with longitudinal depressions formed perpendicular to the natural flow of water on the slope. The soil shall be conditioned with sufficient water so the longitudinal depressions remain in the soil surface until completion of the seeding.

Prior to seeding, the finished grade of the soil shall be 1 inch below the top of all curbs, junction and valve boxes, walks, driveways, and other Structures. The soil shall be in a weed free and bare condition.

All bags of seed shall be brought to the site in sealed bags and shall have seed labels attached showing the seed meets the Specifications. Seed which has become wet, moldy, or otherwise damaged in transit or storage will not be accepted.

8-01.3(2)A2 Temporary Seeding

A cleated roller, crawler tractor, or similar equipment that forms longitudinal depressions at least 2 inches deep shall be used for compaction and preparation of the surface to be seeded. The entire area shall be uniformly covered with longitudinal depressions formed perpendicular to the natural flow of water on the slope. The soil shall be conditioned with sufficient water so the longitudinal depressions remain in the soil surface until completion of the seeding.

8-01.3(2)B Seeding and Fertilizing

In the list in the second paragraph, item numbers 1-5 are revised to read:

1. A hydro seeder that utilizes water as the carrying agent, and maintains continuous agitation through paddle blades. It shall have an operating capacity sufficient to agitate, suspend, and mix into a homogeneous slurry the specified amount of seed and water or other material. Distribution and discharge lines shall be large enough to prevent stoppage and shall be equipped with a set of hydraulic discharge spray nozzles that will provide a uniform distribution of the slurry.

2. Blower equipment with an adjustable disseminating device capable of maintaining a constant, measured rate of material discharge that will ensure an even distribution of seed at the rates specified.

3. Helicopters properly equipped for aerial seeding.

4. Power-drawn drills or seeders.

5. Areas in which the above methods are impractical may be seeded by hand methods.

8-01.3(2)C Liming

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

8-01.3(2)C Vacant

8-01.3(2)D Mulching

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

Distribution of straw mulch material shall be by means that utilizes forced air to blow mulch material on seeded areas.

8-01.3(11) Outlet Protection

In the last sentence, “Section 9-13.6” is revised to read “Section 9-13.1(5)”.

8-01.4 Measurement

In the twelfth paragraph, “liming” is deleted.

8-01.5 Payment

The bid item “Liming”, per acre is deleted.

Section 8-02, Roadside Restoration
January 5, 2015

8-02.3(1) Responsibility During Construction

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

This Work shall include keeping the planted and seeded areas free from insect infestation, weeds or unwanted vegetation, litter, and other debris along with retaining the finished grades and mulch in a neat uniform condition.

8-02.3(2) Roadside Work Plan

This section's title is revised to read:

Work Plans

This section's content is deleted in its entirety and replaced with the following new subsections:

8-02.3(2)A Roadside Work Plan

Before starting any Work that disturbs the earth and as described in Sections 8-01, 8-02 and 8-03, the Contractor shall submit a roadside work plan. The roadside work plan shall be submitted as a Type 1 Working Drawing and shall define the Work necessary to provide all Contract requirements, including: wetland excavation, soil preparation, habitat structure placement, planting area preparation, seeding area preparation, bark mulch and compost placement, seeding, planting, plant replacement, irrigation, and weed control in narrative form.

The Roadside Work Plan shall also include a copy of the approved progress schedule.

8-02.3(2)B Weed and Pest Control Plan

The Weed and Pest Control Plan shall be submitted as a Type 1 Working Drawing. The weed and pest control plan shall include scheduling and methods of all control measures required under the Contract or proposed by the Contractor including soil preparation methods to meet the required soil surface conditions in the planting, bark mulch, and wetland areas. The weed control plan shall show general weed control including hand, mechanical and chemical methods, timing, application of herbicides including type, rate, use and timing, mowing, and noxious weed control. Target weeds and unwanted vegetation to be removed shall be identified and listed in the weed control plan.

The plan shall be prepared and signed by a licensed Commercial Pest Control Operator or Consultant when chemical pesticides are proposed. The plan shall include methods of weed control; dates of weed control operations; and the name, application rate, and Material Safety Data Sheets of all proposed herbicides. In addition, the Contractor shall furnish the Engineer with a copy of the current product label for each pesticide and spray adjuvant to be used. These product labels shall be submitted with the weed control plan for approval.

8-02.3(2)C Plant Establishment Plan

The Plant Establishment Plan shall be prepared in accordance with the requirements of Section 8-02.3(13) and submitted as a Type 1 Working Drawing. The Plan shall show

the proposed scheduling of activities, materials, equipment to be utilized for the first-year plant establishment, and an emergency contact person. The Plan shall include the management of the irrigation system, when applicable. Should the plan become unworkable at any time during the first-year plant establishment, the Contractor shall submit a revised plan prior to proceeding with further Work.

8-02.3(3) Weed and Pest Control

This section is supplemented with the following new paragraph:

Grass, including grass applied in accordance with Section 8-01, growing within the mulch ring of a plant shall be considered a weed and be controlled on the project in accordance with the weed and pest control plan.

8-02.3(4) Topsoil

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

After the topsoil has been spread, all large clods, hard lumps, and rocks 2 inches in diameter and larger, and litter shall be raked up, removed, and disposed of by the Contractor.

The following new paragraph is inserted after the first paragraph:

Topsoil stockpiled for project use shall be protected to prevent erosion and weed growth. Weed growth on topsoil stockpile sites shall be immediately eliminated in accordance with the approved Weed and Pest Control Plan.

8-02.3(4)C Topsoil Type C

The last sentence is revised to read:

Topsoil Type C shall meet the requirements of Sections 8-02.3(4), 8-02.3(4)B, and 9-14.1(3).

8-02.3(12) Completion of Initial Planting

Item number 4 in the last paragraph is deleted.

8-02.3(13) Plant Establishment

The first sentence of the second paragraph is deleted.

The second paragraph is supplemented with the following new sentence:

The 1 calendar year shall be extended an amount equal to any periods where the Contractor does not comply with the plant establishment plan.

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

During the first year of plant establishment under PSIPE (Plant Selection Including Plant Establishment), the Contractor shall meet monthly with the Engineer for the purpose of joint inspection of the planting material on a mutually agreed upon schedule.

The last two paragraphs are deleted.

8-02.4 Measurement

This section is supplemented with the following:

Plant selection will be measured per each.

PSIPE __ (Plant Selection Including Plant Establishment) will be measured per each.

8-02.5 Payment

The paragraph following the bid item "Topsoil Type ____", per acre is revised to read:

The unit Contract price per acre for "Topsoil Type ____" shall be full payment for all costs for the specified Work.

The bid item "PSIPE ___", per each and the paragraph following the bid item are revised to read:

"PSIPE ___", per each.

The unit Contract price for "Plant Selection ___", per each, and "PSIPE ___", per each, shall be full pay for all Work necessary for weed control within the planting area, planting area preparation, fine grading, planting, cultivating, plant storage and protection, fertilizer and root dip, staking, cleanup, and water necessary to complete planting operations as specified to the end of first year plant establishment.

The bid item "Plant Establishment - ____ Year" is deleted.

Section 8-04, Curbs, Gutters, and Spillways
January 5, 2015

8-04.2 Materials

The referenced section for the following item is revised to read:

Hand Placed Riprap 9-13.1(4)

8-04.3(1) Cement Concrete Curbs, Gutters, and Spillways

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

Expansion joints in the curb or curb and gutter shall be spaced as shown in the Plans, and placed at the beginning and ends of curb returns, drainage Structures, bridges, and cold joints with existing curbs and gutters.

In the third sentence of the fourth paragraph, "¼-inch" is revised to read "⅜-inch".

8-04.3(1)A Extruded Cement Concrete Curb

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

Cement concrete curbs shall be anchored to the existing pavement by placing steel reinforcing bars 1 foot on each side of every joint.

The third paragraph is revised to read:

Steel reinforcing bars shall meet the dimensions shown in the Standard Plans.

Section 8-09, Raised Pavement Markers
April 7, 2014

8-09.3(6) Recessed Pavement Marker
The following sentence is inserted after the first sentence of the first paragraph:

The Contractor shall ensure that grinding of the pavement does not result in any damage, (e.g. chipping, spalling or raveling) to the pavement to remain.

Section 8-11, Guardrail
April 7, 2014

8-11.3(1) Beam Guardrail

After the below Amendments to 8-11.3(1)F and 8-11.3(1)G are applied, this section is supplemented with the following new sub-section:

8-11.3(1)F Removing and Resetting Beam Guardrail
The Contractor shall remove and reset existing guardrail posts, rail element, hardware and blocks to the location shown in the Plans. The mounting height of reset rail element shall be at the height shown in the Plans. The void caused by the removal of the post shall be backfilled and compacted.

The Contractor shall remove and replace any existing guardrail posts and blocks that are not suited for re-use, as staked by the Engineer. The void caused by the removal of the post shall be backfilled and compacted. The Contractor shall then furnish and install a new guardrail post to provide the necessary mounting height.

8-11.3(1)A Erection of Posts
The second paragraph in this section is deleted.

8-11.3(1)C Terminal and Anchor Installation
The last sentence in the last paragraph is deleted.

8-11.3(1)F Plans
This section number is revised to:

8-11.3(1)G

8-11.3(1)G Guardrail Construction Exposed to Traffic
This section number is revised to:

8-11.3(1)H

Section 8-20, Illumination, Traffic Signal Systems, Intelligent Transportation Systems, and Electrical
January 5, 2015

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(1) General

The following six new paragraphs are inserted after the second paragraph:

If a portion of an existing communication conduit system is damaged due to the Contractor's activities, the affected system shall be restored to original condition. Conduit shall be repaired. Communication cables shall be replaced and the communication system shall be made fully operational within 24 hours of being damaged.

Damaged communication cable shall be replaced between existing termination or splice points. No additional termination or splice points will be allowed. An existing termination or splice point is defined as a location where all existing fiber strands or twisted pair wires are terminated or spliced at one point. Communication cable shall be defined as either copper twisted pair or fiber optic cables. The Contractor may use temporary splices to restore Contracting Agency communication systems until the permanent communication cable system is restored.

When damage to an existing communication system has occurred, the Contractor shall perform the following in addition to other restoration requirements:

1. Inspect the communication raceway system including locate wire or tape to determine the extent of damage.

2. Contact the Engineer for Fiber Optic Cable and Twisted Pair (TWP) Copper Cable acceptance testing requirements and communication system restoration requirements.

3. Initially perform the acceptance tests to determine the extent of damage and also perform the acceptance tests after repairs are completed. Provide written certification that the communication cable system, including the locate wire or tape, is restored to test standard requirements.

Communication cables shall be restored by Contractor personnel that are WSDOT prequalified for communication installation work. Restoration shall be considered electrical work when the path of the communication system interfaces with electrical systems. Electrical work of this nature shall be performed by Contractor personnel that are WSDOT prequalified for work on both electrical and communication systems.

If the Contractor or Subcontractors are unable or unqualified to complete the restoration work, the Engineer may have the communication or electrical systems restored by other means and subtract the cost from the money that will be or is due the Contractor.

When field repair of existing conduit, innerduct or outerduct is required, the repair kits shall be installed per manufacturer's recommendations. Repair kits and each connection point between the repair kit and the existing raceway system shall be sealed to prevent air leakage during future cable installation.

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 8-22, Pavement Marking
January 5, 2015

8-22.3(6) Removal of Pavement Markings

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

> Grinding to remove painted markings is only allowed prior to application of a Bituminous Surface Treatment.

Section 8-23, Temporary Pavement Markings
January 5, 2015

This section's content is deleted in its entirety and replaced with the following new sub-sections:

8-23.1 Description

The Work consists of furnishing, installing, and removing temporary pavement markings. Temporary pavement markings shall be provided where noted in the Plans; for all lane shifts and detours resulting from construction activities; or when permanent markings are removed because of construction operations.

8-23.2 Materials

Materials for temporary markings shall be paint, plastic, tape, raised pavement markers or flexible raised pavement markers. Materials for pavement markings shall meet the following requirements:

Raised Pavement Markers	9-21
Temporary Marking Paint	9-34.2(6)
Plastic	9-34.3
Glass Beads for Pavement Marking Materials	9-34.4
Temporary Pavement Marking Tape	9-34.5
Temporary Flexible Raised Pavement Markers	9-34.6

8.23.3 Construction Requirements

8-23.3(1) General

The Contractor shall select the type of pavement marking material in accordance with the Contract.

8-23.3(2) Preliminary Spotting

All preliminary layout and marking in preparation for application or removal of temporary pavement markings shall be the responsibility of the Contractor.

8-23.3(3) Preparation of Roadway Surface

Surface preparation for temporary pavement markings shall be in accordance with the manufacturer's recommendations.

8-23.3(4) Pavement Marking Application

8-23.3(4)A Temporary Pavement Markings – Short Duration

Temporary pavement markings – short duration shall meet the following requirements:

Temporary Center Line – A BROKEN line used to delineate adjacent lanes of traffic moving in opposite directions. The broken pattern shall be based on a 40-foot unit, consisting of a 4-foot line with a 36-foot gap if paint or tape is used. If temporary raised pavement markers are used, the pattern shall be based on a 40-foot unit, consisting of a grouping of three temporary raised pavement markers, each spaced 3 feet apart, with a 34 foot gap.

Temporary Edge Line – A SOLID line used on the edges of Traveled Way. The line shall be continuous if paint or tape is used. If temporary raised pavement markers are used, the line shall consist of markers installed continuously at 5-foot spacing.

Temporary Lane Line – A BROKEN line used to delineate adjacent lanes with traffic traveling in the same direction. The broken pattern shall be based on a 40-foot unit, consisting of a 4-foot line with a 36-foot gap, if paint or tape is used. If temporary raised pavement markers are used, the pattern shall be based on a 40-foot unit, consisting of a grouping of three temporary raised pavement markers, each spaced 3 feet apart, with a 34 foot gap.

Lane line and right edge line shall be white in color. Center line and left edge line shall be yellow in color. Edge lines shall be installed only if specifically required in the Contract. All temporary pavement markings shall be retroreflective.

8-23.3(4)A1 Temporary Pavement Marking Paint

Paint used for short duration temporary pavement markings shall be applied in one application at a thickness of 15 mils or 108 square feet per gallon. Glass beads shall be in accordance with Section 8-22.3(3)G.

8-23.3(4)A2 Temporary Pavement Marking Tape
Application of temporary pavement marking tape shall be in conformance with the manufacturer's recommendations.

Black mask pavement marking tape shall mask the existing line in its entirety.

8-23.3(4)A3 Temporary Raised Pavement Markers
Temporary raised pavement markers are not allowed on bituminous surface treatments.

8-23.3(4)A4 Temporary Flexible Raised Pavement Markers
Flexible raised pavement markers are required for new applications of bituminous surface treatments. Flexible raised pavement markers are not allowed on other pavement types unless otherwise specified or approved by the Engineer. Flexible raised pavement markers shall be installed with the protective cover in place. The cover shall be removed immediately after spraying asphaltic material.

8-23.3(4)B Temporary Pavement Markings – Long Duration
Application of paint, pavement marking tape and plastic for long duration pavement markings shall meet the requirements of Section 8-22.3(3); application of raised pavement markers shall meet the requirements of Section 8-09.3; and application of flexible pavement markings shall be in conformance with the manufacturer's recommendations.

8-23.3(4)C Tolerance for Lines
Tolerance for lines shall conform to Section 8-22.3(4).

8-23.3(4)D Maintenance of Pavement Markings
Temporary pavement markings shall be maintained in serviceable condition throughout the project until permanent pavement markings are installed. As directed by the Engineer; temporary pavement markings that are damaged, including normal wear by traffic, shall be repaired or replaced immediately. Repaired and replaced pavement markings shall meet the requirements for the original pavement marking.

8-23.3(4)E Removal of Pavement Markings
Removal of temporary paint is not required prior to paving; all other temporary pavement markings shall be removed.

All temporary pavement markings that are required on the wearing course prior to construction of permanent pavement markings and are not a part of the permanent markings shall be completely removed concurrent with or immediately subsequent to the construction of the permanent pavement markings. Temporary flexible raised pavement markers on bituminous surface treatment pavements shall be cut off flush with the surface if their location conflicts with the alignment of the permanent pavement markings. All other temporary pavement markings shall be removed in accordance with Section 8-22.3(6).

All damage to the permanent Work caused by removing temporary pavement markings shall be repaired by the Contractor at no additional cost to the Contracting Agency.

8-23.4 Measurement

Temporary pavement markings will be measured by the linear foot of each installed line or grouping of markers, with no deduction for gaps in the line or markers and no additional measurement for the second application of paint required for long duration paint lines. Short duration and long duration temporary pavement markings will be measured for the initial installation only.

8-23.5 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:

"Temporary Pavement Marking – Short Duration", per linear foot.

"Temporary Pavement Marking – Long Duration", per linear foot.

The unit Contract price per linear foot for "Temporary Pavement Marking – Short Duration" and "Temporary Pavement Marking – Long Duration" shall be full pay for all Work.

Section 9-01, Portland Cement
January 5, 2015

9-01.2(3) Low Alkali Cement

This section is revised to read:

When low alkali portland cement is required, the percentage of alkalies in the cement shall not exceed 0.60 percent by weight calculated as Na_20 plus 0.658 K_20. This limitation shall apply to all types of portland cement.

9-01.2(4) Blended Hydraulic Cement

The first paragraph is revised to read:

Blended hydraulic cement shall be either Type IP(X)(MS) or Type IS(X)(MS) cement conforming to AASHTO M 240 or ASTM C 595, except that the portland cement used to produce blended hydraulic cement shall not contain more than 0.75 percent alkalies by weight calculated as Na_20 plus 0.658 K_20 and shall meet the following additional requirements:

1. Type IP(X)(MS) - Portland-Pozzolan Cement where (X) equals the targeted percentage of fly ash, the fly ash is limited to a maximum of 35 percent by weight of the cementitious material; (MS) indicates moderate sulfate resistance.

2. Type IS(X)(MS) - Portland Blast- Furnace Slag Cement, where: (X) equals the targeted percentage of ground granulated blast-furnace slag, the ground granulated blast furnace slag is limited to a maximum of 50 percent by weight of the cementitious material; (MS) indicates moderate sulfate resistance.

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

The source and weight of the fly ash or ground granulated blast-furnace slag shall be certified on the cement mill test report or cement certificate of analysis and shall be reported as a percent by weight of the total cementitious material.

9-01.3 Tests and Acceptance

The first paragraph is revised to read:

Cement may be accepted by the Engineer based on the cement mill test report number or cement certificate of analysis number indicating full conformance to the Specifications. All shipments of the cement to the Contractor or concrete supplier shall identify the applicable cement mill test report number or cement certificate of analysis number and shall be provided by the Contractor or concrete supplier with all concrete deliveries.

The second paragraph is revised to read:

Cement producers/suppliers that certify portland cement or blended cement shall participate in the Cement Acceptance Program as described in WSDOT Standard Practice QC 1.

9-01.4 Storage on the Work Site

This section is revised to read:

At the request of the Engineer, the Contractor shall provide test data to show that cement stored on site for longer than 60 days meets the requirements of 9-01. Tests shall be conducted on samples taken from the site in the presence of the Engineer. Test results that meet the requirements of 9-01 shall be valid for 60 days from the date of sampling, after which the Engineer may require further testing.

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.

Soil Plasticity Table

Option	Sieve	Percent Passing	Plasticity Index
1	No. 200	0 - 12	N/A
2	No. 200	12.1 - 35	6 or Less
3	No. 200	Above 35	0

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:

pH	WSDOT Test Method T 417	4.5 - 9	5 – 10

Section 9-04, Joint and Crack Sealing Materials
January 5, 2015

9-04.1(4) Elastomeric Expansion Joint Seals
In this section, “AASHTO M 220” is revised to read “ASTM D 2628”.

9-04.2(1) Hot Poured Joint Sealants
In the first paragraph, “AASHTO M 324” is revised to read “ASTM D 6690”.

9-04.2(2) Poured Rubber Joint Sealer
In item number 9, “WSDOT Test Method No. 412” is revised to read “ASTM D 5329”.

Section 9-05, Drainage Structures and Culverts
April 7, 2014

9-05.13 Ductile Iron Sewer Pipe
The first paragraph is deleted.

Section 9-06, Structural Steel and Related Materials
January 5, 2015

9-06.5(4) Anchor Bolts
The third sentence of the second paragraph is revised to read:

> Nuts for ASTM F 1554 Grade 36 or 55 black or galvanized anchor bolts shall conform to ASTM A 563, Grade A or DH.

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 9-08, Paints and Related Materials
January 5, 2015

9-08.1(2)H Top Coat, Single Component, Moisture-Cured Polyurethane
The second paragraph is revised to read:

> Color and Gloss: As specified in the Plans or Special Provisions

The last item in the requirements list is revised to read:

> The top coat shall be a gloss or semi-gloss

9-08.1(8) Standard Colors
The second paragraph is deleted.

The third paragraph is revised to read:

Unless otherwise specified, all top or finish coats shall be gloss or semi-gloss, with the paint falling within the range of greater than 70 for gloss and 35 to 70 for semi-gloss on the 60-degree gloss meter.

Section 9-09, Timber and Lumber
January 6, 2014

9-09.3(1) General Requirements

The fourth paragraph is revised to read:

All orders of treated timber and lumber shall be accompanied by a Certificate of Treatment record. The Certificate of Treatment showing conformance to this specification and AWPA standards shall include the following information:

Name and location of the wood preserving company,
Customer identification,
Date of treatment and charge number,
Type of chemical used and amount of retention,
Treating process and identification of the Specification used,
Boring records verifying treatment penetration for timber and lumber with a nominal dimension of 6” x 6” or larger,
Description of material that was treated, and
Signature of a responsible plant official.

The fifth paragraph is deleted.

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

All timber and lumber to be used in aquatic environments, unless specified otherwise in the Contract, shall be chemically treated using Western Wood Preservers Institute Best Management Practices (BMPs).

Section 9-10, Piling
March 3, 2014

9-10.5 Steel Piling

This section is revised to read:

The material for rolled steel piling H-piling and pile splices shall conform to ASTM A 36, ASTM A 572 or ASTM A 992. The material for steel pipe piling and splices shall conform to one of the following requirements except as specifically noted in the Plans:

1. API 5L Grade X42 or X52 material may be used for longitudinal seam welded or helical (spiral) seam submerged-arc welded pipe piles of any diameter.

2. ASTM A 252 Grade 2 or 3 material may be used for longitudinal seam welded or helical (spiral) seam submerged-arc welded pipe piles of any diameter. For the purposes of welding and prequalification of base metal, steel pipe pile designated as ASTM A 252 may be treated as prequalified provided the chemical composition conforms to a prequalified base metal classification listed in Table 3.1 of the AWS D1.1/D1.1M, latest edition, Structural Welding Code,

the grade of pipe piling meets or exceeds the grade specified in the Plans, and the carbon equivalent (CE) is a maximum of 0.45-percent.

3. ASTM A 572 or ASTM A 588 material may be used for longitudinal seam welded piles of any diameter.

For helical (spiral) seam submerged-arc welded pipe piles, the maximum radial offset of strip/plate edges shall be 1/8 inch. The offset shall be transitioned with a taper weld and the slope shall not be less than a 1 in 2.5 taper. The weld reinforcement shall not be greater than 3/16 inches and misalignment of weld beads shall not exceed 1/8 inch.

Steel soldier piles, and associated steel bars and plates, shall conform to ASTM A 36, ASTM A 572 or ASTM A 992, except as otherwise noted in the Plans.

All steel piling may be accepted by the Engineer based on the Manufacturer's Certificate of Compliance submitted in accordance with Section 1-06.3. The manufacturer's certificate of compliance submittal for steel pipe piles shall be accompanied by certified mill test reports, including chemical analysis and carbon equivalence, for each heat of steel used to fabricate the steel pipe piling.

Section 9-13, Riprap, Quarry Spalls, Slope Protection, and Rock for Erosion and Scour Protection and Rock Walls
January 5, 2015

This section's content is deleted.

9-13.1 Loose Riprap

This section's content, including title and subsections, is revised to read the following:

9-13.1 Riprap and Quarry Spalls

9-13.1(1) General

Riprap and quarry spalls shall consist of broken stone or broken concrete rubble and shall be free of rock fines, soil, or other extraneous material. Concrete rubble shall not be contaminated by foreign materials such as fibers, wood, steel, asphalt, sealant, soil, plastic and other contaminants or deleterious material. Concrete rubble that is imported to the job site will require testing and certification for toxicity characteristics per Section 9-03.21(1).

The grading of the riprap shall be determined by the Engineer by visual inspection of the load before it is dumped into place, or, if so ordered by the Engineer, by dumping individual loads on a flat surface and sorting and measuring the individual rocks contained in the load. Should the riprap contain insufficient spalls, as defined in Section 9-13.1(5), the Contractor shall furnish and place supplementary spall material.

Riprap and quarry spalls shall be free from segregation, seams, cracks, and other defects tending to destroy its resistance to weather and shall conform to the following requirements for quality.

Aggregate Property	Test Method	Requirement
Degradation Factor	WSDOT T 113	15 minimum

Los Angeles Wear, 500 Rev.	AASHTO T 96	50% maximum
Specific Gravity, SSD	AASHTO T 85	2.55 minimum

9-13.1(2) Heavy Loose Riprap

Heavy loose riprap shall meet the following requirements for grading:

	Minimum Size	Maximum Size
40% to 90%	1 ton (½ cubic yd.)	
70% to 90%	300 lbs. (2 cu. ft.)	
10% to 30%	3 inch	50 lbs. (spalls)

9-13.1(3) Light Loose Riprap

Light loose riprap shall meet the following requirements for grading:

	Size Range	Maximum Size
20% to 90%	300 lbs. to 1 ton (2 cu. ft. to ½ cu. yd.)	
15% to 80%	50 lbs. to 1 ton (⅓ cu. ft. to ½ cu. yd.)	
10% to 20%	3 inch	50 lbs. (spalls)

9-13.1(4) Hand Placed Riprap

Hand placed riprap shall be as nearly rectangular as possible, 60 percent shall have a volume of not less than 1 cubic foot. No stone shall be used which is less than 6 inches thick, nor which does not extend through the wall.

9-13.1(5) Quarry Spalls

Quarry spalls shall meet the following requirements for grading:

Sieve Size	Percent Passing
8″	100
3″	40 max.
¾″	10 max.

9-13.2 Hand Placed Riprap

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

9-13.2 Vacant

9-13.4 Rock for Erosion Control and Scour Protection

The last sentence is revised to read:

The use of recycled materials and concrete rubble is not permitted for this application.

9-13.6 Quarry Spalls

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

9-13.6 Vacant

Section 9-14, Erosion Control and Roadside Planting
January 5, 2015

9.14.1 Soil
This section, including title, is revised to read:

9-14.1 Topsoil
Topsoil shall not contain any recycled material, foreign materials, or any listed Noxious and Nuisance weeds of any Class designated by authorized State or County officials. Aggregate shall not comprise more than 10% by volume of Topsoil and shall not be greater than two inches in diameter.

9-14.1(2) Topsoil Type B
The last sentence of the second paragraph is deleted.

9-14.2 Seed
This section is revised to read:

Seed of the type specified shall be certified in accordance with WAC 16-302. Seed mixes shall be commercially prepared and supplied in sealed containers. The labels shall show:

(1) Common and botanical names of seed

(2) Lot number

(3) Net weight

(4) Pounds of Pure live seed (PLS) in the mix

(5) Origin of seed

All seed vendors must have a business license issued by supplier's state or provincial Department of Licensing with a "seed dealer" endorsement.

9-14.4(3) Bark or Wood Chips
This section's title is revised to read:

Bark or Wood Chip Mulch

The first paragraph is revised to read:

Bark or wood chip mulch shall be derived from fir, pine, or hemlock species. It shall not contain resin, tannin, or other compounds in quantities that would be detrimental to plant life. Sawdust shall not be used as mulch. Mulch produced from finished wood products or construction debris will not be allowed.

9-14.4(6) Gypsum
The first sentence is revised to read:

Gypsum shall consist of Calcium Sulfate ($CaSO_4 \cdot 2H_2O$) in a pelletized or granular form.

9-14.4(7) Tackifier

This section is revised to read:

Tackifiers are used as a tie-down for soil, compost, seed, and/or mulch. Tackifiers shall contain no growth or germination-inhibiting materials and shall not reduce infiltration rates. Tackifiers shall hydrate in water and readily blend with other slurry materials.

The Contractor shall provide test results documenting the tackifier meets the requirements for Acute Toxicity, Solvents, and Heavy Metals as required in Table 1 in Section 9-14.4(2). The tests shall be performed at the manufacturer's recommended application rate.

9-14.4(8) Compost

The second paragraph is revised to read:

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

9-14.4(8)A Compost Submittal Requirements

Item 2 is revised to read:

5. A copy of the Solid Waste Handling Permit issued to the manufacturer by the Jurisdictional Health Department in accordance with WAC 173-350 (Minimum Functional Standards for Solid Waste Handling).

9-14.6(1) Description

Item number 3 in the fourth paragraph is revised to read:

6. Live pole cuttings shall have a diameter between 2 inches and 3.5 inches. Live poles shall have no more than three branches which must be located at the top end of the pole and those branches shall be pruned back to the first bud from the main stem.

9-14.6(2) Quality

The second and third paragraphs in this section are revised to read:

All plant material shall comply with State and Federal laws with respect to inspection for plant diseases and insect infestation. Plants must meet Washington State Department of Agriculture plant quarantines and have a certificate of inspection. Plants originating in Canada must be accompanied by a phytosanitary certificate stating the plants meet USDA health requirements.

All plant material shall be purchased from a nursery licensed to sell plants in their state or province.

Section 9-15, Irrigation System
August 4, 2014

9-15.18 Detectable Marking Tape

In the second paragraph, the table is supplemented with the following new row:

Non-Potable Water	Purple

Section 9-16, Fence and Guardrail
August 4, 2014

9-16.2(1)B Wood Fence Posts and Braces

In the table, the row beginning with "ACA" is deleted.

Section 9-29, Illumination, Signal, Electrical
January 5, 2015

9-29.1 Conduit, Innerduct, and Outerduct

This section is supplemented with the following new subsection:

9-29.1(9) Repair

Manufacturer repair kits shall be used for field repair of existing conduit, innerduct and outerduct. The conduit repair kit shall be manufactured specifically for the repair of existing damaged conduit, inner duct and outer duct. The repair kit shall be prepackaged and include the split conduit and split couplings necessary to restore the damaged conduit to the original inside dimensions including a water and air tight seal.

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:

Materials	Requirement
Concrete	Section 6-02
Reinforcing Steel	Section 9-07
Lid	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
Frame and stiffener plates	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
Anchors (studs)	Section 9-06.15

Threaded Anchors for Gray Iron Frame	ASTM F1554 grade 55 Headed Anchor Requirements
Bolts, Studs, Nuts, Washers	ASTM F 593 or A 193, Type 304 or 316, or Stainless steel grade 302, 304, or 316 in accordance with approved shop drawings
Hinges and Locking and Latching Mechanism and associated Hardware and Bolts	In accordance with approved shop drawings
Safety Bars	In accordance with approved shop drawings

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

This section is supplemented with the following new subsection:

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.

9-29.3(2)A4 Location Wire

This section is revised to read:

Location wire shall be steel core copper clad minimum size AWG 14 insulated conductor. The insulation shall be orange High Molecular Weight High Density Polyethylene (HMHDPE).

Section 9-31, Elastomeric Bearing Pads
August 4, 2014

This section's title is revised to read:

Elastomeric Pads

9-31.1 Requirements

In the first paragraph, the word "bearing" is deleted from the first sentence.

In the first sentence of the second paragraph, the word "bearing" is deleted and replaced with "elastomeric".

In the last sentence of the second paragraph, the word "Bearing" is deleted and replaced with "Elastomeric".

In the third paragraph, the word "bearing" is deleted and replaced with the word "elastomeric".

Section 9-32, Mailbox Support
August 4, 2014

9-32.7 Type 2 Mailbox Support

The first sentence is revised to read:

Type 2 mailbox supports shall be 2-inch 14-gage steel tube and shall meet the NCHRP 350 or the Manual for Assessing Safety Hardware (MASH) crash test criteria.

Section 9-34, Pavement Marking Material
January 5, 2015

9-34.2 Paint

The second paragraph is revised to read:

Blue and black paint shall comply with the requirements of yellow paint in Section 9-34.2(4) and Section 9-34.2(5), with the exception that blue and black paints do not need to meet the requirements for titanium dioxide, directional reflectance, and contrast ratio.

9-34.4 Glass Beads for Pavement Marking Materials

In the third paragraph, the table titled "Metal Concentration Limits" is revised to read:

Metal Concentration Limits		
Element	**Test Method**	**Max. Parts Per Million (ppm)**
Arsenic	EPA 3052 SW-846 6010C	10.0
Barium	EPA 3052 SW-846 6010C	100.0
Cadmium	EPA 3052 SW-846 6010C	1.0
Chromium	EPA 3052 SW-846 6010C	5.0
Lead	EPA 3052 SW-846 6010C	50.0
Silver	EPA 3052 SW-846 6010C	5.0
Mercury	EPA 3052 SW-846 7471B	4.0

9-34.5 Temporary Pavement Marking Tape

This section is revised to read:

Biodegradable tape with paper backing is not allowed.

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

9-34.5(1) Temporary Pavement Marking Tape – Short Duration

Temporary pavement marking tape for short duration shall conform to ASTM D4592 Type II except that black tape, black mask tape and the black portion of the contrast removable tape, shall be non-reflective.

9-34.5(2) Temporary Pavement Marking Tape – Long Duration

Temporary pavement marking tape for long duration shall conform to ASTM D4592 Type I. Temporary pavement marking tape for long duration, except for black tape, shall have a minimum initial coefficient of retroreflective luminance of 200 $mcd*m^{-2}*lx^{-1}$ when measured in accordance with ASTM E 2832 or ASTM E 2177. Black tape, black mask tape and the black portion of the contrast removable tape, shall be non-reflective.

9-34.6 Temporary Raised Pavement Markers

This section's title is revised to read:

Temporary Flexible Raised Pavement Markers

The second paragraph is deleted.

Section 9-35, Temporary Traffic Control Materials
August 4, 2014

9-35.0 General Requirements

The following item is deleted from the list of temporary traffic control materials:

Barrier Drums

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

Certification for crashworthiness according to NCHRP 350 or the Manual for Assessing Safety Hardware (MASH) will be required as described in Section 1-10.2(3).

9-35.2 Construction Signs

The first sentence is revised to read:

Construction signs shall conform to the requirements of the MUTCD and shall meet the requirements of NCHRP Report 350 for Category 2 devices or MASH.

9-35.7 Traffic Safety Drums

The third paragraph is revised to read:

Drums and light units shall meet the crashworthiness requirements of NCHRP 350 or MASH as described in Section 1-10.2(3).

9-35.8 Barrier Drums

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

9-35.8 Vacant

9-35.12 Transportable Attenuator

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

The Contractor shall provide certification that the transportable attenuator complies with NCHRP 350 Test level 3 or MASH Test Level 3 requirements.

9-35.13 Tall Channelizing Devices

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

The method of attachment must ensure that the light does not separate from the device upon impact and light units shall meet the crashworthiness requirements of NCHRP 350 or MASH as described in Section 1-10.2(3).

SPECIAL PROVISIONS

The following Special Provisions are made a part of this contract and supersede any conflicting provisions of the 2012 Standard Specifications for Road, Bridge and Municipal Construction and the foregoing Amendments to the Standard Specifications.

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

(date)	General Special Provision
(******)	Notes a revision to a General Special Provision and also notes a Project Specific Special Provision.
(Regions[1] date)	Region Special Provision
(BSP date)	Bridges and Structures Special Provision
(APWA GSP)	Local Agency General Special Provision, which has been approved by the APWA Div. 1 Subcommittee.
(date) Sk. Co.	Skagit County General Special Provision

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

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

Regions[1]	
NWR	Northwest Region
WSF	Washington State Ferries Division

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

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

Skagit County General Special Provisions are only applicable in Skagit County Public Works contracts.

Division 1
General Requirements

DESCRIPTION OF WORK

(March 13, 1995)
This contract provides for the crushing and stockpiling of 18,500 tons of BST Chips and 28,000 tons of Crushed Surfacing Base Course at the Skagit County owned Eagle Bluff Pit; and other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications.

DEFINITIONS AND TERMS

Definitions
(March 8, 2013 APWA GSP)

Section 1-01.3 is revised as follows:

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

Dates

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

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

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

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

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

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

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

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

Supplement this Section with the following:

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

Bid Procedures and Conditions

Prequalification of Bidders

Delete Section 1-02.1 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.

Plans and Specifications

(******)

Section 1-02.2 is revised to read:

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

To Prime Contractor	No. of Sets	Basis of Distribution
Reduced plans (11" x 17") and Contract Provisions	3	Furnished automatically upon award.
Large plans (24" x 36") and Contract Provisions	1	Furnished only upon request.

Examination Of Plans, Specifications And Site Of Work

Section 1-02.4 is supplemented with the following:

Prior to bidding a site visit to the work sites can be scheduled at least 5 days in advance by calling David Walde at (360) 419-3470.

Preparation of Proposal

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

Delivery of Proposal

(5/15/13) Sk. Co.

Delete Section 1-02.9 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.

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.

Public Opening Of Proposal

(10/27/10) Sk. Co.

Section 1-02.12 is supplemented with the following:

Sealed bids shall be received at the time and location specified in the call for bids, unless modified by addenda.

Irregular Proposals

(March 13, 2012 APWA GSP)

Item 1 in Section 1-02.13 is revised to read:

1. A proposal will be considered irregular and will be rejected if:

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

l. More than one proposal is submitted for the same project from a Bidder under the same or different names.

Disqualification of Bidders

(March 8, 2013 APWA GSP)

Section 1-02.14 is deleted and replaced with the following:

A Bidder will be deemed not responsible if the Bidder does not meet the mandatory bidder responsibility criteria in RCW 39.04.350(1), as amended; or does not meet the following Supplemental Criteria:

1. **Delinquent State Taxes**

A Criterion: The Bidder shall not owe delinquent taxes to the Washington State Department of Revenue without a payment plan approved by the Department of Revenue.

B. Documentation: The Bidder shall not be listed on the Washington State Department of Revenue's "Delinquent Taxpayer List" website: http://dor.wa.gov/content/fileandpaytaxes/latefiling/dtlwest.aspx , or if they are so listed, they must submit a written payment plan approved by the Department of Revenue, to the Contracting Agency by the deadline listed below.

2. **Federal Debarment**

A Criterion: The Bidder shall not currently be debarred or suspended by the Federal government.

B. Documentation: The Bidder shall not be listed as having an "active exclusion" on the U.S. government's "System for Award Management" database (www.sam.gov).

3. **Subcontractor Responsibility**

A Criterion: The Bidder's standard subcontract form shall include the subcontractor responsibility language required by RCW 39.06.020, and the Bidder shall have an established procedure which it utilizes to validate the responsibility of each of its subcontractors. The Bidder's subcontract form shall also include a requirement that each of its subcontractors shall have and document a similar procedure to determine whether the sub-tier subcontractors with whom it contracts are also "responsible" subcontractors as defined by RCW 39.06.020.

B. Documentation: The Bidder, if and when required as detailed below, shall submit a copy of its standard subcontract form for review by the Contracting Agency, and a written description of its procedure for validating the responsibility of subcontractors with which it contracts.

4. **Prevailing Wages**

A Criterion: The Bidder shall not have a record of prevailing wage violations as determined by WA Labor & Industries in the five years prior to the bid submittal date, that demonstrates a pattern of failing to pay workers prevailing wages, unless there are extenuating circumstances and such circumstances are deemed acceptable to the Contracting Agency.

B. Documentation: The Bidder, if and when required as detailed below, shall submit a list of all prevailing wage violations in the five years prior to the bid submittal date, along with an explanation of each violation and how it was resolved. The Contracting Agency will evaluate these explanations and the resolution of each complaint to determine whether the violation demonstrate a pattern of failing to pay its workers prevailing wages as required.

5. **Claims Against Retainage and Bonds**

A Criterion: The Bidder shall not have a record of excessive claims filed against the retainage or payment bonds for public works projects in the three years prior to the bid submittal date, that demonstrate a lack of effective management by the Bidder of making timely and appropriate payments to its subcontractors, suppliers, and workers, unless there are extenuating circumstances and such circumstances are deemed acceptable to the Contracting Agency.

B. Documentation: The Bidder, if and when required as detailed below, shall submit a list of the public works projects completed in the three years prior to the bid submittal date that have had claims against retainage and bonds and include for each project the following information:

- Name of project
- The owner and contact information for the owner;
- A list of claims filed against the retainage and/or payment bond for any of the projects listed;
- A written explanation of the circumstances surrounding each claim and the ultimate resolution of the claim.

6. **Public Bidding Crime**

A Criterion: The Bidder and/or its owners shall not have been convicted of a crime involving bidding on a public works contract in the five years prior to the bid submittal date.

B. Documentation: The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder and/or its owners have not been convicted of a crime involving bidding on a public works contract.

7. **Termination for Cause / Termination for Default**

A Criterion: The Bidder shall not have had any public works contract terminated for cause or terminated for default by a government agency in the five years prior to the bid submittal date, unless there are extenuating circumstances and such circumstances are deemed acceptable to the Contracting Agency.

B. Documentation: The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder has not had any public works contract terminated for cause or terminated for default by a government agency in the five years prior to the bid submittal date; or if Bidder was terminated, describe the circumstances.

8. **Lawsuits**

A Criterion: The Bidder shall not have lawsuits with judgments entered against the Bidder in the five years prior to the bid submittal date that demonstrate a pattern of failing to meet the terms of contracts, unless there are extenuating circumstances and such circumstances are deemed acceptable to the Contracting Agency

B. Documentation: The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder has not had any lawsuits with judgments entered against the Bidder in the five years prior to the bid submittal date that demonstrate a pattern of failing to meet the terms of contracts, or shall submit a list of all lawsuits with judgments entered against the Bidder in the five years prior to the bid submittal date, along with a written explanation of the circumstances surrounding each such lawsuit. The Contracting Agency shall evaluate these explanations to determine whether the lawsuits demonstrate a pattern of failing to meet of terms of construction related contracts

As evidence that the Bidder meets the mandatory and supplemental responsibility criteria stated above, the apparent two lowest Bidders must submit to the Contracting Agency by 12:00 P.M. (noon) of the second business day following the bid submittal deadline, a written statement verifying that the Bidder meets all of the mandatory and supplemental criteria together with supporting documentation including but not limited to that detailed above (sufficient in the sole judgment of the Contracting Agency) demonstrating compliance with all mandatory and supplemental responsibility criteria. The Contracting Agency reserves the right to request such documentation from other Bidders as well, and to request further documentation as needed to assess Bidder responsibility. The Contracting Agency also reserves the right to obtain information from third-parties and independent sources of information concerning a Bidder's compliance with the mandatory and supplemental criteria, and to use that information in their evaluation. The Contracting Agency may (but is not required to) consider mitigating factors in determining whether the Bidder complies with the requirements of the supplemental criteria.

The basis for evaluation of Bidder compliance with these mandatory and supplemental criteria shall include any documents or facts obtained by Contracting Agency (whether from the Bidder or third parties) including but not limited to: (i) financial, historical, or operational data from the Bidder; (ii) information obtained directly by the Contracting Agency from others for whom the Bidder has worked, or other public agencies or private enterprises; and (iii) any additional information obtained by the Contracting Agency which is believed to be relevant to the matter.

If the Contracting Agency determines the Bidder does not meet the bidder responsibility criteria above and is therefore not a responsible Bidder, the Contracting Agency shall notify the Bidder in writing, with the reasons for its determination. If the Bidder disagrees with this determination, it may appeal the determination within two (2) business days of the Contracting Agency's determination by presenting its appeal and any additional information to the Contracting Agency. The Contracting Agency will consider the appeal and any additional information before issuing its final determination. If the final determination affirms that the Bidder is not responsible, the Contracting Agency will not execute a contract with any other Bidder until at least two business days after the Bidder determined to be not responsible has received the Contracting Agency's final determination.

Request to Change Supplemental Bidder Responsibility Criteria Prior To Bid: Bidders with concerns about the relevancy or restrictiveness of the Supplemental Bidder Responsibility Criteria may make or submit requests to the Contracting Agency to modify the criteria. Such requests shall be in writing, describe the nature of the concerns, and propose specific modifications to the criteria. Bidders shall submit such requests to the Contracting Agency no later than five (5) business days prior to the bid submittal deadline and address the request to the Project Engineer or such other person designated by the Contracting Agency in the Bid Documents.

Scope of the Work

Coordination of Contract Documents, Plans, Special Provisions, Specifications, and Addenda

(March 13, 2012 APWA GSP)

The second paragraph of Section 1-04.2 is revised 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), and
8. WSDOT Standard Plans for Road, Bridge, and Municipal Construction.

Variation in Estimated Quantities

(May 25, 2006 APWA GSP)

Section 1-04.6 is supplemented with the following:

The quantities for BST Chips and Crushed Surfacing Base Course have been entered into the Proposal only to provide a common proposal for bidders. Actual quantities will be determined in the field as the work progresses, and will be paid at the original bid price, regardless of final quantity. These bid items shall not be subject to the provisions of 1-04.6 of the Standard Specifications.

Control of Work

Inspection of Work and Material

(******)

Section 1-05.6 is supplemented with the following:

Portable Testing Laboratory

The Contractor shall supply a portable aggregate testing laboratory complete with heat, lights, testing equipment, desk and chair for use by the Contracting Agency. The laboratory shall contain at least 120 square feet of floor area. The doors and desk are to be equipped with locks and the lighting is to be adequate for the intended paper work. The laboratory shall contain all equipment required to perform WSDOT tests for gradation (sieve analysis) and SE (sand equivalent), as described in the WSDOT Construction Manual and WSDOT Laboratory Manual. Electronic scales are mandatory. A dry sink used to wash aggregate samples and divert wash water outside is required. Plumbing of water supply is optional.

All costs for providing and maintaining the portable testing laboratory shall be considered incidental and included in other items of work.

Water

The Contractor shall provide the Contracting Agency with water for testing purposes. The water shall be of sufficient quantity and quality to perform the tests as determined by the Engineer.

Superintendents, Labor and Equipment of Contractor

(August 14, 2013 APWA GSP)

Delete the sixth and seventh paragraphs of Section 1-05.13.

Cooperation With Other Contractors

Section 1-05.14 is supplemented with the following:

(March 13, 1995)
Other Contracts Or Other Work

It is anticipated that the following work adjacent to or within the limits of this project will be performed by others during the course of this project and will require coordination of the work:

The contractor shall maintain unrestricted access by county forces to all areas of the pit and the materials located within them during the entire time of the contract, unless approved in writing by the Engineer at least 10 days in advance. This will include all materials produced under this contract.

Method of Serving Notices
(March 25, 2009 APWA GSP)

The second paragraph of Section 1-05.15 is revised 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:

1-05.16 Water and Power
(October 1, 2005 APWA GSP)

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

Add the following new section:

1-05.17 Oral Agreements
(October 1, 2005 APWA 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.

Legal Relations and Responsibilities to the Public

State Taxes

(3/8/05) Sk. Co.

The work on this project is exempt from the Washington State retail sales tax, per RCW 82.04.415, Exemptions – Sand, gravel and rock taken from county or city pits or quarries, processing and handling costs.

Permits and Licenses

Section 1-07.6 is supplemented with the following:

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

*** Reclamation Permit ***

(1/6/11) Sk. Co.
No hydraulic permits are required for this project unless the Contractor's operations use, divert, obstruct, or change the natural flow or bed of any river or stream, or utilize any of the waters of the State or materials from gravel or sand bars, or from stream beds.

Load Limits

Section 1-07.7 is supplemented with the following:

(March 13, 1995)
If the sources of materials provided by the Contractor necessitates hauling over roads other than State Highways, the Contractor shall, at the Contractor's expense, make all arrangements for the use of the haul routes.

Contractor's Responsibility for Work

Repair of Damage

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

(August 6, 2001)
The Contractor shall promptly repair all damage to either temporary or permanent work as directed by the Engineer. For damage qualifying for relief under Sections 1-07.13(1), 1-07.13(2) or 1-07.13(3), payment will be made in accordance with Section 1-04.4. Payment will be limited to repair of damaged work only. No payment will be made for delay or disruption of work.

Public Liability and Property Damage Insurance

(January 5, 2004)
Item number 1 in the first paragraph of Section 1-07.18 is deleted.

Item No. 2 of the first paragraph of Section 1-07.18 is revised to read:

(January 3, 2011)

2. Commercial General Liability (CGL) Insurance written under ISO Form CG0001 or its equivalent with minimum limits of $1,000,000 per occurrence and in the aggregate for each one year policy period. Products and completed operations coverage shall be provided for a period of three years following Substantial Completion of the work.

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.

Add the following new section:

1-08.0(2) Hours of Work

(******)

Except in the case of emergency or unless otherwise approved by the Contracting Agency, the normal straight time working hours for the Contract shall be any consecutive 8-hour period between 7:00 a.m. and 6:00 p.m. of a working day with a maximum 1-hour lunch break and a 5-day work week. The normal straight time 8-hour working period for the Contract shall be established at the preconstruction conference or prior to the Contractor commencing the work.

The hours of rock crusher operations shall be limited to 7:00 a.m. to 6:00 p.m., Monday through Saturday

Written permission from the Engineer is required, if a Contractor desires to perform work on holidays or Saturdays; or longer than an 8-hour period on any day. The Contractor shall apply in writing to the Engineer for such permission, no later than noon on the working day prior to the day for which the Contractor is requesting permission to work.

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

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

Subcontracting

Subcontracting

(7/20/07) Sk. Co.

Section 1-08.1 is supplemented with the following:

Subcontractor responsibility:

1. The Contractor shall include the language of this section in each of its first tier subcontracts, and shall require each of its subcontractors to include the same language in each of their subcontracts, adjusting only as necessary the terms used for the contracting parties. The requirements of this section apply to all subcontractors regardless of tier.

2. At the time of subcontract execution, the Contractor shall verify that each of its first tier subcontractors meets the following bidder responsibility criteria:

   - At the time of subcontract bid submittal, have a certificate of registration in compliance with chapter 18.27 RCW;
   - Have a current state unified business identifier number;
   - If applicable, have:

     - Industrial insurance coverage for the subcontractor's employees working in Washington as required in Title 51 RCW;
     - An employment security department number as required in Title 50 RCW; and
     - A state excise tax registration number as required in Title 82 RCW;
     - An electrical contractor license, if required by Chapter 19.28.RCW;
     - An elevator contractor license, if required by Chapter 70.87 RCW.

   - Not be disqualified from bidding on any public works contract under RCW 39.06.010 or 39.12.065 (3)

Progress Schedule

Progress Schedule Types

Type A Progress Schedule
(March 13, 2012 APWA GSP)

Section 1-08.3(2)A is revised to read:

The Contractor shall submit 4 copies of a Type A Progress Schedule no later than at the preconstruction conference, or some other mutually agreed upon submittal time. The schedule may be a critical path method (CPM) schedule, bar chart, or other standard schedule format. Regardless of which format used, the schedule shall identify the critical path. The Engineer will evaluate the Type A Progress Schedule and approve or return the schedule for corrections within 15 calendar days of receiving the submittal.

Prosecution of Work

Delete Section 1-08.4 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.

Time for Completion

(11/4/10) Sk. Co.

Revise the third paragraph of Section 1-08.5 to read:

Contract time shall begin on the tenth working day following the Notice to Proceed Date. If the Contractor starts Work on the project at an earlier date, then Contract time shall begin on the first working day when onsite Work begins.

Section 1-08.5 is supplemented with the following:

(March 13, 1995)
This project shall be physically completed within *** 65 *** working days.

Liquidated Damages
(August 14, 2013 APWA GSP)

The fourth paragraph of Section 1-08.9 is revised 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.

Measurement and Payment

Measurement of Quantities
(2/10/10) Sk. Co.

Section 1-09.1 is supplemented with the following:

Aggregates placed in the stockpile will be measured by the ton. The tonnage quantity will be determined by a Contractor provided certified scale, all scales and scale procedures must be approved by the Engineer prior to commencing work.

Weighing Equipment

General Requirements for Weighing Equipment

(******)

Section 1-09.2(1) is supplemented with the following:

The Contractor shall provide the Engineer a printed tonnage report at the end of each shift. The report shall be performed by electronic device linked to the certified scale and shall be capable of providing a printout for each shift's tonnage total and accumulated total to date for each aggregate type.

Force Account
(October 10, 2008 APWA GSP)

Section 1-09.6 is supplemented 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.

(10/17/12) Sk. Co

Payment for unanticipated work performed during construction shall be made using the estimated Bid item “Unanticipated Site Work”. Measurement and payment will be made in accordance with Section 1-09.6.

Claims Resolution

Claims $250,000 or Less

(October 1, 2005 APWA GSP)

Delete Section 1-09.13(3) 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.

Administration of Arbitration

(October 1, 2005 APWA GSP)

The third paragraph of Section 1-09.13(3)A is revised to read:

The Contracting Agency and the Contractor mutually agree to be bound by the decision of the arbitrator, and judgment upon the award rendered by the arbitrator may be entered in the Superior Court of the county in which the Contracting Agency’s headquarters are located. The decision of the arbitrator and the specific basis for the decision shall be in writing. The arbitrator shall use the contract as a basis for decisions.

DIVISION 3
PRODUCTION FROM QUARRY AND PIT SITES AND STOCKPILING

Production From Quarry and Pit Sites

Material Sources, General Requirements

Preparation of Site

(******)

Section 3-01.2(2) is revised to read:

The area to be mined shall be cleared, grubbed and stripped of overburden by Skagit County forces. All combustible materials resulting from these operations shall be disposed of by Skagit County.

Production Requirements

(******)

The first Sentence of Section 3-01.2(4) is revised to read:

All oversize stones, rock fragments, or boulders occurring in the source, up to and including those measuring **24 inches in the greatest dimension**, shall be utilized in the manufacture of the crushed material.

(******)

Section 3-01.2(4) is supplemented with the following:

The Contractor shall scalp all pit-run and quarry-run materials over a ½ inch screen before said materials are passed through the primary crusher for the production of crushed mineral aggregates.

The screens shall be cleaned regularly and examined for holes and wear. Screens with holes shall be replaced immediately. Scalpings shall be removed from the production plant with a belt conveyor and stockpiled in a separate location within the pit or quarry site as designated by the Engineer. The Contractor will not be permitted to use scalpings in the production of Crushed Surfacing Base Course and BST Chips. Reject materials shall also be removed from the production plant and stockpiled with the scalpings. Reject materials will not be permitted to be used in the production of any aggregate products.

The expected production line capacity of the Contractor's crushing operation shall be greater than 200 tons per hour. If the average production level falls below 150 tons per hour, the Contractor shall take immediate steps to correct deficiencies. Failure by the Contractor to meet the minimum production requirements of this section shall be cause for termination of this contract by the County.

Drawings show the location of proposed excavation limits (blasting limit lines, setback lines or quarry/pit boundary lines). The County believes there is adequate suitable rock in the locations shown. If suitable rock is not found or found in quantities too small to meet production requirements, the Contractor may coordinate with the Engineer to excavate elsewhere in accordance with the lease and/or reclamation plans.

The contractor shall use a telescoping radial stacker or equivalent to create the stockpiles for Crushed Surfacing Base Course and BST Chips.

Final Cleanup

(******)

The last sentence of Section 3-01.2(5) is revised to read:

The pits or quarries shall be reclaimed by Skagit County.

State Furnished Material Sources

(******)

The title of Section 3-01.3 is revised to read:

Skagit County Furnished Material Sources

(******)

The first sentence of Section 3-01.3 is revised to read:

The Contractor is advised that the use of Contracting Agency-furnished materials sources is mandatory.

The Skagit Eagle Bluff gravel pit shall be used as the source materials for this contract.

The Eagle Bluff Pit is located in Section 8, Township 35 North, Range 8 East, W.M. The access is off of South Skagit Highway approximately 1 ¼ mile west of the Dalles Bridge (Concrete-Sauk Valley Road) near the town of Concrete.

Reject Materials

(******)

Section 3-01.3(3) is revised to read:

All scalpings are considered to be reject materials and are the property of Skagit County, and shall be stockpiled at a location specified by the Engineer. All costs incurred in the screening, hauling and handling of reject (waste) materials shall be incidental to the production of specified materials under this proposal.

The Contractor is required to scalp all raw materials on a ½" square screen. The screen shall be of such a size and capacity, and operated in such a manner that a minimum of 95% of the ½" minus material will be removed from the raw materials.

Measurement

(******)

Section 3-01.5 is supplemented with the following:

BST Chips and Crushed Surfacing Base Course will be measured by the ton.

Payment

(******)

Section 3-01.6 is supplemented with the following:

"BST Chips" per ton.

"Crushed Surfacing Base Course" per ton.

Stockpiling Aggregates

General Requirements

Preparation of Site

(******)

Section 3-02.2(5) is supplemented with the following:

The Contracting Agency will prepare and survey the stockpile sites prior to placement of aggregate into any stockpile.

Site Reclamation

General Requirements

Contracting Agency-Provided Sites

Section 3-03.2(1) is supplemented with the following:

(March 13, 1995)
Site reclamation will be performed by the Contracting Agency on all sites furnished by the Contracting Agency.

Division 9
Materials

Aggregates

Aggregates for Bituminous Surface Treatment

Grading and Quality

(******)

In Section 9-03.4(2) the table following the second paragraph has been revised to read:

BST Chips Percent Passing	
3/4”	---
½”	100
3/8”	60-90
¼”	15-40
#4	---
#10	0-10
#40	---
#200	0-1.5
% fracture, by weight, min.	80
Sand Equivalent	---

Aggregates for Ballast and Crushed Surfacing

Crushed Surfacing

(******)

In Section 9-03.9(3) the table following the second paragraph has been revised to read:

Base Course Percent Passing	
1 1/4”	99-100
1”	80-100
3/4”	---
5/8”	50-80
1/2”	---
#4	25-45
#40	3-18
#200	7.5 max.
% fracture, by weight, min.	75 min.
Sand Equivalent	40 min.

APPENDICES
(January 2, 2012)

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

APPENDIX A:
Washington State Prevailing Wage Rates

APPENDIX B:
Contract and Contract Bond (Informational Only)

APPENDIX C:
Proposal Forms (Informational Only)

APPENDIX D:
Permits

APPENDIX E:
Vicinity Map and Plans

APPENDIX A

Washington State Prevailing Wage Rates

State of Washington
Department of Labor & Industries

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

Washington State Prevailing Wage

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

Journey Level Prevailing Wage Rates for the Effective Date: 3/8/2015

County	Trade	Job Classification	Wage	Holiday	Overtime	Note
Skagit	Asbestos Abatement Workers	Journey Level	$42.67	5D	1H	
Skagit	Boilermakers	Journey Level	$64.29	5N	1C	
Skagit	Brick Mason	Brick And Block Finisher	$44.46	5A	1M	
Skagit	Brick Mason	Journey Level	$51.32	5A	1M	
Skagit	Brick Mason	Pointer-Caulker-Cleaner	$51.32	5A	1M	
Skagit	Building Service Employees	Janitor	$10.00		1	
Skagit	Building Service Employees	Shampooer	$9.47		1	
Skagit	Building Service Employees	Waxer	$9.47		1	
Skagit	Building Service Employees	Window Cleaner	$9.47		1	
Skagit	Cabinet Makers (In Shop)	Journey Level	$18.85		1	
Skagit	Carpenters	Acoustical Worker	$52.32	5D	4C	
Skagit	Carpenters	Bridge, Dock And Wharf Carpenters	$52.32	5D	4C	
Skagit	Carpenters	Carpenter	$52.32	5D	4C	
Skagit	Carpenters	Carpenters on Stationary Tools	$52.45	5D	4C	
Skagit	Carpenters	Creosoted Material	$52.42	5D	4C	
Skagit	Carpenters	Floor Finisher	$52.32	5D	4C	
Skagit	Carpenters	Floor Layer	$52.32	5D	4C	
Skagit	Carpenters	Scaffold Erector	$52.32	5D	4C	
Skagit	Cement Masons	Journey Level	$52.38	7A	1M	
Skagit	Divers & Tenders	Diver	$105.37	5D	4C	8A
Skagit	Divers & Tenders	Diver On Standby	$59.50	5D	4C	
Skagit	Divers & Tenders	Diver Tender	$54.82	5D	4C	
Skagit	Divers & Tenders	Surface Rcv & Rov Operator	$54.82	5D	4C	
Skagit	Divers & Tenders	Surface Rcv & Rov Operator Tender	$51.07	5A	4C	
Skagit	Dredge Workers	Assistant Engineer	$54.75	5D	3F	
Skagit	Dredge Workers	Assistant Mate (Deckhand)	$54.33	5D	3F	
Skagit	Dredge Workers	Boatmen	$54.75	5D	3F	
Skagit	Dredge Workers	Engineer Welder	$55.79	5D	3F	
Skagit	Dredge Workers	Leverman, Hydraulic	$56.92	5D	3F	

Skagit	Dredge Workers	Mates	$54.75	5D	3F	
Skagit	Dredge Workers	Oiler	$54.33	5D	3F	
Skagit	Drywall Applicator	Journey Level	$52.32	5D	1H	
Skagit	Drywall Tapers	Journey Level	$52.37	5P	1E	
Skagit	Electrical Fixture Maintenance Workers	Journey Level	$21.48		1	
Skagit	Electricians - Inside	Cable Splicer	$62.37	7H	1E	
Skagit	Electricians - Inside	Construction Stock Person	$30.95	7H	1D	
Skagit	Electricians - Inside	Journey Level	$58.23	7H	1E	
Skagit	Electricians - Motor Shop	Craftsman	$15.37		1	
Skagit	Electricians - Motor Shop	Journey Level	$14.69		1	
Skagit	Electricians - Powerline Construction	Cable Splicer	$69.95	5A	4D	
Skagit	Electricians - Powerline Construction	Certified Line Welder	$63.97	5A	4D	
Skagit	Electricians - Powerline Construction	Groundperson	$43.62	5A	4D	
Skagit	Electricians - Powerline Construction	Heavy Line Equipment Operator	$63.97	5A	4D	
Skagit	Electricians - Powerline Construction	Journey Level Lineperson	$63.97	5A	4D	
Skagit	Electricians - Powerline Construction	Line Equipment Operator	$53.81	5A	4D	
Skagit	Electricians - Powerline Construction	Pole Sprayer	$63.97	5A	4D	
Skagit	Electricians - Powerline Construction	Powderperson	$47.55	5A	4D	
Skagit	Electronic Technicians	Electronic Technicians Journey Level	$37.74	5B	1B	
Skagit	Elevator Constructors	Mechanic	$82.67	7D	4A	
Skagit	Elevator Constructors	Mechanic In Charge	$89.40	7D	4A	
Skagit	Fabricated Precast Concrete Products	Journey Level - In-Factory Work Only	$13.50		1	
Skagit	Fence Erectors	Fence Erector	$12.00		1	
Skagit	Flaggers	Journey Level	$36.17	7A	3I	
Skagit	Glaziers	Journey Level	$54.91	7L	1Y	
Skagit	Heat & Frost Insulators And Asbestos Workers	Journeyman	$61.18	5J	1S	
Skagit	Heating Equipment Mechanics	Mechanic	$57.51	7F	1E	
Skagit	Hod Carriers & Mason Tenders	Journey Level	$44.00	7A	3I	
Skagit	Industrial Power Vacuum Cleaner	Journey Level	$9.47		1	
Skagit	Inland Boatmen	Boat Operator	$54.57	5B	1K	
Skagit	Inland Boatmen	Cook	$50.95	5B	1K	
Skagit	Inland Boatmen	Deckhand	$51.19	5B	1K	
Skagit	Inland Boatmen	Deckhand Engineer	$52.18	5B	1K	
Skagit	Inland Boatmen	Launch Operator	$53.40	5B	1K	
Skagit	Inland Boatmen	Mate	$53.40	5B	1K	
Skagit	Inspection/Cleaning/Sealing Of Sewer & Water Systems By	Cleaner Operator, Foamer Operator	$9.73		1	

	Remote Control					
Skagit	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	$11.48		1	
Skagit	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	$12.78		1	
Skagit	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	$9.47		1	
Skagit	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Tv Truck Operator	$10.53		1	
Skagit	Insulation Applicators	Journey Level	$52.32	5D	4C	
Skagit	Ironworkers	Journeyman	$61.62	7N	1O	
Skagit	Laborers	Air, Gas Or Electric Vibrating Screed	$42.67	7A	3I	
Skagit	Laborers	Airtrac Drill Operator	$44.00	7A	3I	
Skagit	Laborers	Ballast Regular Machine	$42.67	7A	3I	
Skagit	Laborers	Batch Weighman	$36.17	7A	3I	
Skagit	Laborers	Brick Pavers	$42.67	7A	3I	
Skagit	Laborers	Brush Cutter	$42.67	7A	3I	
Skagit	Laborers	Brush Hog Feeder	$42.67	7A	3I	
Skagit	Laborers	Burner	$42.67	7A	3I	
Skagit	Laborers	Caisson Worker	$44.00	7A	3I	
Skagit	Laborers	Carpenter Tender	$42.67	7A	3I	
Skagit	Laborers	Caulker	$42.67	7A	3I	
Skagit	Laborers	Cement Dumper-paving	$43.46	7A	3I	
Skagit	Laborers	Cement Finisher Tender	$42.67	7A	3I	
Skagit	Laborers	Change House Or Dry Shack	$42.67	7A	3I	
Skagit	Laborers	Chipping Gun (under 30 Lbs.)	$42.67	7A	3I	
Skagit	Laborers	Chipping Gun(30 Lbs. And Over)	$43.46	7A	3I	
Skagit	Laborers	Choker Setter	$42.67	7A	3I	
Skagit	Laborers	Chuck Tender	$42.67	7A	3I	
Skagit	Laborers	Clary Power Spreader	$43.46	7A	3I	
Skagit	Laborers	Clean-up Laborer	$42.67	7A	3I	
Skagit	Laborers	Concrete Dumper/chute Operator	$43.46	7A	3I	
Skagit	Laborers	Concrete Form Stripper	$42.67	7A	3I	
Skagit	Laborers	Concrete Placement Crew	$43.46	7A	3I	
Skagit	Laborers	Concrete Saw Operator/core Driller	$43.46	7A	3I	
Skagit	Laborers	Crusher Feeder	$36.17	7A	3I	
Skagit	Laborers	Curing Laborer	$42.67	7A	3I	
Skagit	Laborers	Demolition: Wrecking & Moving (incl. Charred Material)	$42.67	7A	3I	
Skagit	Laborers	Ditch Digger	$42.67	7A	3I	
Skagit	Laborers	Diver	$44.00	7A	3I	

Skagit	Laborers	Drill Operator (hydraulic,diamond)	$43.46	7A	31	
Skagit	Laborers	Dry Stack Walls	$42.67	7A	31	
Skagit	Laborers	Dump Person	$42.67	7A	31	
Skagit	Laborers	Epoxy Technician	$42.67	7A	31	
Skagit	Laborers	Erosion Control Worker	$42.67	7A	31	
Skagit	Laborers	Faller & Bucker Chain Saw	$43.46	7A	31	
Skagit	Laborers	Fine Graders	$42.67	7A	31	
Skagit	Laborers	Firewatch	$36.17	7A	31	
Skagit	Laborers	Form Setter	$42.67	7A	31	
Skagit	Laborers	Gabian Basket Builders	$42.67	7A	31	
Skagit	Laborers	General Laborer	$42.67	7A	31	
Skagit	Laborers	Grade Checker & Transit Person	$44.00	7A	31	
Skagit	Laborers	Grinders	$42.67	7A	31	
Skagit	Laborers	Grout Machine Tender	$42.67	7A	31	
Skagit	Laborers	Groutmen (pressure)including Post Tension Beams	$43.46	7A	31	
Skagit	Laborers	Guardrail Erector	$42.67	7A	31	
Skagit	Laborers	Hazardous Waste Worker (level A)	$44.00	7A	31	
Skagit	Laborers	Hazardous Waste Worker (level B)	$43.46	7A	31	
Skagit	Laborers	Hazardous Waste Worker (level C)	$42.67	7A	31	
Skagit	Laborers	High Scaler	$44.00	7A	31	
Skagit	Laborers	Jackhammer	$43.46	7A	31	
Skagit	Laborers	Laserbeam Operator	$43.46	7A	31	
Skagit	Laborers	Maintenance Person	$42.67	7A	31	
Skagit	Laborers	Manhole Builder-mudman	$43.46	7A	31	
Skagit	Laborers	Material Yard Person	$42.67	7A	31	
Skagit	Laborers	Motorman-dinky Locomotive	$43.46	7A	31	
Skagit	Laborers	Nozzleman (concrete Pump, Green Cutter When Using Combination Of High Pressure Air & Water On Concrete & Rock, Sandblast, Gunite, Shotcrete, Water Bla	$43.46	7A	31	
Skagit	Laborers	Pavement Breaker	$43.46	7A	31	
Skagit	Laborers	Pilot Car	$36.17	7A	31	
Skagit	Laborers	Pipe Layer Lead	$44.00	7A	31	
Skagit	Laborers	Pipe Layer/tailor	$43.46	7A	31	
Skagit	Laborers	Pipe Pot Tender	$43.46	7A	31	
Skagit	Laborers	Pipe Reliner	$43.46	7A	31	
Skagit	Laborers	Pipe Wrapper	$43.46	7A	31	
Skagit	Laborers	Pot Tender	$42.67	7A	31	
Skagit	Laborers	Powderman	$44.00	7A	31	
Skagit	Laborers	Powderman's Helper	$42.67	7A	31	
Skagit	Laborers	Power Jacks	$43.46	7A	31	

Skagit	Laborers	Railroad Spike Puller - Power	$43.46	7A	31	
Skagit	Laborers	Raker - Asphalt	$44.00	7A	31	
Skagit	Laborers	Re-timberman	$44.00	7A	31	
Skagit	Laborers	Remote Equipment Operator	$43.46	7A	31	
Skagit	Laborers	Rigger/signal Person	$43.46	7A	31	
Skagit	Laborers	Rip Rap Person	$42.67	7A	31	
Skagit	Laborers	Rivet Buster	$43.46	7A	31	
Skagit	Laborers	Rodder	$43.46	7A	31	
Skagit	Laborers	Scaffold Erector	$42.67	7A	31	
Skagit	Laborers	Scale Person	$42.67	7A	31	
Skagit	Laborers	Sloper (over 20")	$43.46	7A	31	
Skagit	Laborers	Sloper Sprayer	$42.67	7A	31	
Skagit	Laborers	Spreader (concrete)	$43.46	7A	31	
Skagit	Laborers	Stake Hopper	$42.67	7A	31	
Skagit	Laborers	Stock Piler	$42.67	7A	31	
Skagit	Laborers	Tamper & Similar Electric, Air & Gas Operated Tools	$43.46	7A	31	
Skagit	Laborers	Tamper (multiple & Self-propelled)	$43.46	7A	31	
Skagit	Laborers	Timber Person - Sewer (lagger, Shorer & Cribber)	$43.46	7A	31	
Skagit	Laborers	Toolroom Person (at Jobsite)	$42.67	7A	31	
Skagit	Laborers	Topper	$42.67	7A	31	
Skagit	Laborers	Track Laborer	$42.67	7A	31	
Skagit	Laborers	Track Liner (power)	$43.46	7A	31	
Skagit	Laborers	Traffic Control Laborer	$38.68	7A	31	8R
Skagit	Laborers	Traffic Control Supervisor	$38.68	7A	31	8R
Skagit	Laborers	Truck Spotter	$42.67	7A	31	
Skagit	Laborers	Tugger Operator	$43.46	7A	31	
Skagit	Laborers	Tunnel Work-Compressed Air Worker 0-30 psi	$64.99	7A	31	8Q
Skagit	Laborers	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	$70.02	7A	31	8Q
Skagit	Laborers	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	$73.70	7A	31	8Q
Skagit	Laborers	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	$79.40	7A	31	8Q
Skagit	Laborers	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	$81.52	7A	31	8Q
Skagit	Laborers	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	$86.62	7A	31	8Q
Skagit	Laborers	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	$88.52	7A	31	8Q
Skagit	Laborers	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	$90.52	7A	31	8Q
Skagit	Laborers	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	$92.52	7A	31	8Q
Skagit	Laborers	Tunnel Work-Guage and Lock Tender	$44.10	7A	31	8Q

Skagit	Laborers	Tunnel Work-Miner	$44.10	7A	3I	8Q
Skagit	Laborers	Vibrator	$43.46	7A	3I	
Skagit	Laborers	Vinyl Seamer	$42.67	7A	3I	
Skagit	Laborers	Watchman	$32.87	7A	3I	
Skagit	Laborers	Welder	$43.46	7A	3I	
Skagit	Laborers	Well Point Laborer	$43.46	7A	3I	
Skagit	Laborers	Window Washer/cleaner	$32.87	7A	3I	
Skagit	Laborers - Underground Sewer & Water	General Laborer & Topman	$42.67	7A	3I	
Skagit	Laborers - Underground Sewer & Water	Pipe Layer	$43.46	7A	3I	
Skagit	Landscape Construction	Irrigation Or Lawn Sprinkler Installers	$14.15		1	
Skagit	Landscape Construction	Landscape Equipment Operators Or Truck Drivers	$14.15		1	
Skagit	Landscape Construction	Landscaping or Planting Laborers	$14.18		1	
Skagit	Lathers	Journey Level	$52.32	5D	1H	
Skagit	Marble Setters	Journey Level	$51.32	5A	1M	
Skagit	Metal Fabrication (In Shop)	Fitter	$15.16		1	
Skagit	Metal Fabrication (In Shop)	Laborer	$11.13		1	
Skagit	Metal Fabrication (In Shop)	Machine Operator	$10.66		1	
Skagit	Metal Fabrication (In Shop)	Painter	$11.41		1	
Skagit	Metal Fabrication (In Shop)	Welder	$15.16		1	
Skagit	Millwright	Journey Level	$38.36		1	
Skagit	Modular Buildings	Journey Level	$9.47		1	
Skagit	Painters	Journey Level	$37.80	6Z	2B	
Skagit	Pile Driver	Journey Level	$52.57	5D	4C	
Skagit	Plasterers	Journey Level	$50.42	7Q	1R	
Skagit	Playground & Park Equipment Installers	Journey Level	$9.47		1	
Skagit	Plumbers & Pipefitters	Journey Level	$63.57	5A	1G	
Skagit	Power Equipment Operators	Asphalt Plant Operators	$55.24	7A	3C	8P
Skagit	Power Equipment Operators	Assistant Engineer	$51.97	7A	3C	8P
Skagit	Power Equipment Operators	Barrier Machine (zipper)	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Batch Plant Operator, Concrete	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Bobcat	$51.97	7A	3C	8P
Skagit	Power Equipment Operators	Brokk - Remote Demolition Equipment	$51.97	7A	3C	8P
Skagit	Power Equipment Operators	Brooms	$51.97	7A	3C	8P
Skagit	Power Equipment Operators	Bump Cutter	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Cableways	$55.24	7A	3C	8P
Skagit	Power Equipment Operators	Chipper	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Compressor	$51.97	7A	3C	8P
Skagit	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	$55.24	7A	3C	8P
Skagit	Power Equipment Operators	Concrete Finish Machine -laser	$51.97	7A	3C	8P

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Skagit	Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure.	$54.33	7A	3C	8P
Skagit	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Conveyors	$54.33	7A	3C	8P
Skagit	Power Equipment Operators	Cranes: 20 Tons Through 44 Tons With Attachments	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Cranes: 100 Tons Through 199 Tons, Or 150' Of Boom (Including Jib With Attachments)	$55.79	7A	3C	8P
Skagit	Power Equipment Operators	Cranes: 200 Tons To 300 Tons, Or 250' Of Boom (including Jib With Attachments)	$56.36	7A	3C	8P
Skagit	Power Equipment Operators	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	$55.24	7A	3C	8P
Skagit	Power Equipment Operators	Cranes: A-frame - 10 Tons And Under	$51.97	7A	3C	8P
Skagit	Power Equipment Operators	Cranes: Friction 100 Tons Through 199 Tons	$56.36	7A	3C	8P
Skagit	Power Equipment Operators	Cranes: Friction Over 200 Tons	$56.92	7A	3C	8P
Skagit	Power Equipment Operators	Cranes: Over 300 Tons Or 300' Of Boom (including Jib With Attachments)	$56.92	7A	3C	8P
Skagit	Power Equipment Operators	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	$54.33	7A	3C	8P
Skagit	Power Equipment Operators	Crusher	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Deck Engineer/deck Winches (power)	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Derricks, On Building Work	$55.24	7A	3C	8P
Skagit	Power Equipment Operators	Dozers D-9 & Under	$54.33	7A	3C	8P
Skagit	Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	$54.33	7A	3C	8P
Skagit	Power Equipment Operators	Drilling Machine	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Elevator And Man-lift: Permanent And Shaft Type	$51.97	7A	3C	8P
Skagit	Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Forklift: 3000 Lbs And Over With Attachments	$54.33	7A	3C	8P
Skagit	Power Equipment Operators	Forklifts: Under 3000 Lbs. With Attachments	$51.97	7A	3C	8P
Skagit	Power Equipment Operators	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Gradechecker/stakeman	$51.97	7A	3C	8P
Skagit	Power Equipment Operators	Guardrail Punch	$54.75	7A	3C	8P

Skagit	Power Equipment Operators	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	$55.24	7A	3C	8P
Skagit	Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Horizontal/directional Drill Locator	$54.33	7A	3C	8P
Skagit	Power Equipment Operators	Horizontal/directional Drill Operator	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Hydralifts/boom Trucks Over 10 Tons	$54.33	7A	3C	8P
Skagit	Power Equipment Operators	Hydralifts/boom Trucks, 10 Tons And Under	$51.97	7A	3C	8P
Skagit	Power Equipment Operators	Loader, Overhead 8 Yards. & Over	$55.79	7A	3C	8P
Skagit	Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	$55.24	7A	3C	8P
Skagit	Power Equipment Operators	Loaders, Overhead Under 6 Yards	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Loaders, Plant Feed	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Loaders: Elevating Type Belt	$54.33	7A	3C	8P
Skagit	Power Equipment Operators	Locomotives, All	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Material Transfer Device	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Mechanics, All (leadmen - $0.50 Per Hour Over Mechanic)	$55.79	7A	3C	8P
Skagit	Power Equipment Operators	Motor Patrol Grader - Non-finishing	$54.33	7A	3C	8P
Skagit	Power Equipment Operators	Motor Patrol Graders, Finishing	$55.24	7A	3C	8P
Skagit	Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	$55.24	7A	3C	8P
Skagit	Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding Operator	$51.97	7A	3C	8P
Skagit	Power Equipment Operators	Outside Hoists (elevators And Manlifts), Air Tuggers,strato	$54.33	7A	3C	8P
Skagit	Power Equipment Operators	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Overhead, Bridge Type: 100 Tons And Over	$55.79	7A	3C	8P
Skagit	Power Equipment Operators	Overhead, Bridge Type: 45 Tons Through 99 Tons	$55.24	7A	3C	8P
Skagit	Power Equipment Operators	Pavement Breaker	$51.97	7A	3C	8P
Skagit	Power Equipment Operators	Pile Driver (other Than Crane Mount)	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Plant Oiler - Asphalt, Crusher	$54.33	7A	3C	8P
Skagit	Power Equipment Operators	Posthole Digger, Mechanical	$51.97	7A	3C	8P
Skagit	Power Equipment Operators	Power Plant	$51.97	7A	3C	8P
Skagit	Power Equipment Operators	Pumps - Water	$51.97	7A	3C	8P
Skagit	Power Equipment Operators	Quad 9, Hd 41, D10 And Over	$55.24	7A	3C	8P

Skagit	Power Equipment Operators	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	$51.97	7A	3C	8P
Skagit	Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	$55.24	7A	3C	8P
Skagit	Power Equipment Operators	Rigger And Bellman	$51.97	7A	3C	8P
Skagit	Power Equipment Operators	Rollagon	$55.24	7A	3C	8P
Skagit	Power Equipment Operators	Roller, Other Than Plant Mix	$51.97	7A	3C	8P
Skagit	Power Equipment Operators	Roller, Plant Mix Or Multi-lift Materials	$54.33	7A	3C	8P
Skagit	Power Equipment Operators	Roto-mill, Roto-grinder	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Saws - Concrete	$54.33	7A	3C	8P
Skagit	Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Scrapers - Concrete & Carry All	$54.33	7A	3C	8P
Skagit	Power Equipment Operators	Scrapers, Self-propelled: 45 Yards And Over	$55.24	7A	3C	8P
Skagit	Power Equipment Operators	Service Engineers - Equipment	$54.33	7A	3C	8P
Skagit	Power Equipment Operators	Shotcrete/gunite Equipment	$51.97	7A	3C	8P
Skagit	Power Equipment Operators	Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons.	$54.33	7A	3C	8P
Skagit	Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	$55.24	7A	3C	8P
Skagit	Power Equipment Operators	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	$55.79	7A	3C	8P
Skagit	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	$56.36	7A	3C	8P
Skagit	Power Equipment Operators	Slipform Pavers	$55.24	7A	3C	8P
Skagit	Power Equipment Operators	Spreader, Topsider & Screedman	$55.24	7A	3C	8P
Skagit	Power Equipment Operators	Subgrader Trimmer	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Tower Bucket Elevators	$54.33	7A	3C	8P
Skagit	Power Equipment Operators	Tower Crane Over 175'in Height, Base To Boom	$56.36	7A	3C	8P
Skagit	Power Equipment Operators	Tower Crane Up To 175' In Height Base To Boom	$55.79	7A	3C	8P
Skagit	Power Equipment Operators	Transporters, All Track Or Truck Type	$55.24	7A	3C	8P
Skagit	Power Equipment Operators	Trenching Machines	$54.33	7A	3C	8P
Skagit	Power Equipment Operators	Truck Crane Oiler/driver - 100 Tons And Over	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Truck Crane Oiler/driver Under 100 Tons	$54.33	7A	3C	8P
Skagit	Power Equipment Operators	Truck Mount Portable Conveyor	$54.75	7A	3C	8P
Skagit	Power Equipment Operators	Welder	$55.24	7A	3C	8P
Skagit	Power Equipment Operators	Wheel Tractors, Farmall Type	$51.97	7A	3C	8P

Skagit	Power Equipment Operators	Yo Yo Pay Dozer	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Asphalt Plant Operators	$55.24	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Assistant Engineer	$51.97	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Barrier Machine (zipper)	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Batch Plant Operator, Concrete	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Bobcat	$51.97	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Brokk - Remote Demolition Equipment	$51.97	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Brooms	$51.97	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Bump Cutter	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Cableways	$55.24	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Chipper	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Compressor	$51.97	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	$55.24	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Concrete Finish Machine -laser Screed	$51.97	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure.	$54.33	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Conveyors	$54.33	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Cranes: 20 Tons Through 44 Tons With Attachments	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Cranes: 100 Tons Through 199 Tons, Or 150' Of Boom (Including Jib With Attachments)	$55.79	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Cranes: 200 Tons To 300 Tons, Or 250' Of Boom (including Jib With Attachments)	$56.36	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	$55.24	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Cranes: A-frame - 10 Tons And Under	$51.97	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Cranes: Friction 100 Tons Through 199 Tons	$56.36	7A	3C	8P

Skagit	Power Equipment Operators-Underground Sewer & Water	Cranes: Friction Over 200 Tons	$56.92	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Cranes: Over 300 Tons Or 300' Of Boom (including Jib With Attachments)	$56.92	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	$54.33	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Crusher	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Deck Engineer/deck Winches (power)	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Derricks, On Building Work	$55.24	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Dozers D-9 & Under	$54.33	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Drill Oilers: Auger Type, Truck Or Crane Mount	$54.33	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Drilling Machine	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Elevator And Man-lift: Permanent And Shaft Type	$51.97	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Finishing Machine, Bidwell And Gamaco & Similar Equipment	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Forklift: 3000 Lbs And Over With Attachments	$54.33	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Forklifts: Under 3000 Lbs. With Attachments	$51.97	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Gradechecker/stakeman	$51.97	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Guardrail Punch	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	$55.24	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Horizontal/directional Drill Locator	$54.33	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Horizontal/directional Drill Operator	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Hydralifts/boom Trucks Over 10 Tons	$54.33	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Hydralifts/boom Trucks, 10 Tons And Under	$51.97	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Loader, Overhead 8 Yards. & Over	$55.79	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Loader, Overhead, 6 Yards. But Not Including 8 Yards	$55.24	7A	3C	8P
Skagit	Power Equipment Operators-	Loaders, Overhead Under 6	$54.75	7A	3C	8P

	Underground Sewer & Water	Yards				
Skagit	Power Equipment Operators-Underground Sewer & Water	Loaders, Plant Feed	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Loaders: Elevating Type Belt	$54.33	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Locomotives, All	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Material Transfer Device	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Mechanics, All (leadmen - $0.50 Per Hour Over Mechanic)	$55.79	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Motor Patrol Grader - Non-finishing	$54.33	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Motor Patrol Graders, Finishing	$55.24	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	$55.24	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Oil Distributors, Blower Distribution & Mulch Seeding Operator	$51.97	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Outside Hoists (elevators And Manlifts), Air Tuggers,strato	$54.33	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Overhead, Bridge Type: 100 Tons And Over	$55.79	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Overhead, Bridge Type: 45 Tons Through 99 Tons	$55.24	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Pavement Breaker	$51.97	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Pile Driver (other Than Crane Mount)	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Plant Oiler - Asphalt, Crusher	$54.33	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Posthole Digger, Mechanical	$51.97	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Power Plant	$51.97	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Pumps - Water	$51.97	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Quad 9, Hd 41, D10 And Over	$55.24	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	$51.97	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Remote Control Operator On Rubber Tired Earth Moving Equipment	$55.24	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Rigger And Bellman	$51.97	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Rollagon	$55.24	7A	3C	8P

Skagit	Power Equipment Operators-Underground Sewer & Water	Roller, Other Than Plant Mix	$51.97	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Roller, Plant Mix Or Multi-lift Materials	$54.33	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Roto-mill, Roto-grinder	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Saws - Concrete	$54.33	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Scraper, Self Propelled Under 45 Yards	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Scrapers - Concrete & Carry All	$54.33	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Scrapers, Self-propelled: 45 Yards And Over	$55.24	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Service Engineers - Equipment	$54.33	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Shotcrete/gunite Equipment	$51.97	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons.	$54.33	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	$55.24	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	$55.79	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 90 Metric Tons	$56.36	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Slipform Pavers	$55.24	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Spreader, Topsider & Screedman	$55.24	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Subgrader Trimmer	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Tower Bucket Elevators	$54.33	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Tower Crane Over 175'in Height, Base To Boom	$56.36	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Tower Crane Up To 175' In Height Base To Boom	$55.79	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Transporters, All Track Or Truck Type	$55.24	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Trenching Machines	$54.33	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler/driver - 100 Tons And Over	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler/driver Under 100 Tons	$54.33	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Truck Mount Portable Conveyor	$54.75	7A	3C	8P
Skagit	Power Equipment Operators-	Welder	$55.24	7A	3C	8P

	Underground Sewer & Water					
Skagit	Power Equipment Operators-Underground Sewer & Water	Wheel Tractors, Farmall Type	$51.97	7A	3C	8P
Skagit	Power Equipment Operators-Underground Sewer & Water	Yo Yo Pay Dozer	$54.75	7A	3C	8P
Skagit	Power Line Clearance Tree Trimmers	Journey Level In Charge	$45.75	5A	4A	
Skagit	Power Line Clearance Tree Trimmers	Spray Person	$43.38	5A	4A	
Skagit	Power Line Clearance Tree Trimmers	Tree Equipment Operator	$45.75	5A	4A	
Skagit	Power Line Clearance Tree Trimmers	Tree Trimmer	$40.84	5A	4A	
Skagit	Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	$30.74	5A	4A	
Skagit	Refrigeration & Air Conditioning Mechanics	Journey Level	$23.95		1	
Skagit	Residential Brick Mason	Journey Level	$25.00		1	
Skagit	Residential Carpenters	Journey Level	$20.53		1	
Skagit	Residential Cement Masons	Journey Level	$16.00		1	
Skagit	Residential Drywall Applicators	Journey Level	$40.14	5D	4C	
Skagit	Residential Drywall Tapers	Journey Level	$30.00		1	
Skagit	Residential Electricians	JOURNEY LEVEL	$28.93		1	
Skagit	Residential Glaziers	Journey Level	$37.30	7L	1H	
Skagit	Residential Insulation Applicators	Journey Level	$13.96		1	
Skagit	Residential Laborers	Journey Level	$18.46		1	
Skagit	Residential Marble Setters	Journey Level	$25.00		1	
Skagit	Residential Painters	Journey Level	$15.00		1	
Skagit	Residential Plumbers & Pipefitters	Journey Level	$39.44	5A	1G	
Skagit	Residential Refrigeration & Air Conditioning Mechanics	Journey Level	$37.72	5A	1G	
Skagit	Residential Sheet Metal Workers	Journey Level (Field or Shop)	$20.91		1	
Skagit	Residential Soft Floor Layers	Journey Level	$23.46		1	
Skagit	Residential Sprinkler Fitters (Fire Protection)	Journey Level	$29.76		1	
Skagit	Residential Stone Masons	Journey Level	$25.00		1	
Skagit	Residential Terrazzo Workers	Journey Level	$25.00		1	
Skagit	Residential Terrazzo/Tile Finishers	Journey Level	$27.75		1	
Skagit	Residential Tile Setters	Journey Level	$25.00		1	
Skagit	Roofers	Journey Level	$31.84		1	
Skagit	Sheet Metal Workers	Journey Level (Field or Shop)	$57.51	7F	1E	
Skagit	Shipbuilding & Ship Repair	Carpenter	$21.69		1	
Skagit	Shipbuilding & Ship Repair	Electrician	$18.72		1	
Skagit	Shipbuilding & Ship Repair	Heat & Frost Insulator	$61.18	5J	1S	
Skagit	Shipbuilding & Ship Repair	Laborer	$11.71		1	
Skagit	Shipbuilding & Ship Repair	Machinist	$18.72		1	

Skagit	Shipbuilding & Ship Repair	Operator	$18.72		1	
Skagit	Shipbuilding & Ship Repair	Painter	$18.72		1	
Skagit	Shipbuilding & Ship Repair	Pipefitter	$18.72		1	
Skagit	Shipbuilding & Ship Repair	Welder/burner	$18.72		1	
Skagit	Sign Makers & Installers (Electrical)	Journey Level	$16.03		1	
Skagit	Sign Makers & Installers (Non-Electrical)	Journey Level	$13.28		1	
Skagit	Soft Floor Layers	Journey Level	$42.41	5A	3D	
Skagit	Solar Controls For Windows	Journey Level	$9.47		1	
Skagit	Sprinkler Fitters (Fire Protection)	Journey Level	$69.74	5C	1X	
Skagit	Stage Rigging Mechanics (Non Structural)	Journey Level	$13.23		1	
Skagit	Stone Masons	Journey Level	$51.32	5A	1M	
Skagit	Street And Parking Lot Sweeper Workers	Journey Level	$15.00		1	
Skagit	Surveyors	Assistant Construction Site Surveyor	$54.33	7A	3C	8P
Skagit	Surveyors	Chainman	$53.81	7A	3C	8P
Skagit	Surveyors	Construction Site Surveyor	$55.24	7A	3C	8P
Skagit	Telecommunication Technicians	Journey Level	$27.65		1	
Skagit	Telephone Line Construction - Outside	Cable Splicer	$36.96	5A	2B	
Skagit	Telephone Line Construction - Outside	Hole Digger/Ground Person	$20.49	5A	2B	
Skagit	Telephone Line Construction - Outside	Installer (Repairer)	$35.40	5A	2B	
Skagit	Telephone Line Construction - Outside	Special Aparatus Installer I	$36.96	5A	2B	
Skagit	Telephone Line Construction - Outside	Special Apparatus Installer II	$36.19	5A	2B	
Skagit	Telephone Line Construction - Outside	Telephone Equipment Operator (Heavy)	$36.96	5A	2B	
Skagit	Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	$34.34	5A	2B	
Skagit	Telephone Line Construction - Outside	Telephone Lineperson	$34.34	5A	2B	
Skagit	Telephone Line Construction - Outside	Television Groundperson	$19.45	5A	2B	
Skagit	Telephone Line Construction - Outside	Television Lineperson/Installer	$25.89	5A	2B	
Skagit	Telephone Line Construction - Outside	Television System Technician	$30.97	5A	2B	
Skagit	Telephone Line Construction - Outside	Television Technician	$27.77	5A	2B	
Skagit	Telephone Line Construction - Outside	Tree Trimmer	$34.34	5A	2B	
Skagit	Terrazzo Workers	Journey Level	$46.96	5A	1M	
Skagit	Tile Setters	Journey Level	$46.96	5A	1M	

Skagit	Tile, Marble & Terrazzo Finishers	Journey Level	$25.00		1	
Skagit	Traffic Control Stripers	Journey Level	$43.11	7A	1K	
Skagit	Truck Drivers	Asphalt Mix Over 16 Yards (W. WA-Joint Council 28)	$49.85	5D	3A	8L
Skagit	Truck Drivers	Asphalt Mix To 16 Yards (W. WA-Joint Council 28)	$49.01	5D	3A	8L
Skagit	Truck Drivers	Dump Truck	$16.98		1	
Skagit	Truck Drivers	Dump Truck And Trailer	$16.98		1	
Skagit	Truck Drivers	Other Trucks (W. WA-Joint Council 28)	$49.85	5D	3A	8L
Skagit	Truck Drivers	Transit Mixer	$32.12		1	
Skagit	Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	$11.60		1	
Skagit	Well Drillers & Irrigation Pump Installers	Oiler	$9.47		1	
Skagit	Well Drillers & Irrigation Pump Installers	Well Driller	$11.60		1	

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Overtime Codes

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

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

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

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

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

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

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

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

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

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

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

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

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

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.

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

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

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

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

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

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

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

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

Holiday Codes

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Holiday Codes Continued

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

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

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

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

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

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

6. 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Note Codes

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

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

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

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

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

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

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

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

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

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

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

APPENDIX B

Construction Contract and Contract Bond-Informational Only

CONSTRUCTION CONTRACT AGREEMENT

THIS AGREEMENT, effective upon the date of mutual execution, is made and entered into between Skagit County, Washington, and _____, hereinafter called the Contractor.

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

I. The Contractor shall do all work and furnish all tools, materials, equipment, and transportation required for the construction of Eagle Pit Crushing Contract #RF20-EAG-D in accordance with and as described in the attached plans and specifications and the Washington State Department of Transportation *Standard Specifications for Road, Bridge, and Municipal Construction M 41-10 2014 edition*, which are by this reference incorporated herein and made a part hereof, and shall perform any changes to the work in accord with the Contract Documents.

II. The Contractor shall provide and bear the expense of all equipment, work, 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 this contract and every part thereof and shall guarantee said materials and work for a period of one year after substantial completion of this contract, except as may be modified by the plans, specifications and/or contract documents.

III. Skagit County, Washington, hereby promises and agrees with the Contractor to retain and does retain the Contractor to provide the materials and to do and cause to be done the above-described work and to complete and finish the same according to the attached plans and specifications and the terms and conditions herein contained, and hereby contracts to pay for the same according to the attached specifications and the schedule of prices bid and hereto attached, at the time and in the manner and upon the conditions provided for in this contract.

IV. The Contractor for himself/herself, and for his/her heirs, executors, administrators, successors, and assigns, does hereby agree to full performance of all covenants required of the Contractor in the contract.

V. It is further provided that no liability shall attach to Skagit County by reason of entering into this contract, except as provided herein.

IN WITNESS WHEREOF the Contractor has executed this instrument on the day and year first below written, and the Authorized Official has caused this instrument to be executed by and in the name of Skagit County the day and year first above written.

CONTRACTOR

Signature _____ Mailing Address:

Printed _____

Title _____

Date _____ Telephone No. (___) ____-____

DATED this _____ day of _____, 2015.

BOARD OF COUNTY COMMISSIONERS
SKAGIT COUNTY, WASHINGTON

_____
Kenneth A. Dahlstedt, Chair

_____
Lisa Janicki, Commissioner

Attest: _____
Ron Wesen, Commissioner

_____
Clerk of the Board

For contracts under $5,000:
Authorization per Resolution R20030146

Recommended: _____
County Administrator

_____
Department Head

Approved as to form:

_____
Civil Deputy Prosecuting Attorney

Approved as to indemnification:

_____
Risk Manager

Approved as to budget:

_____
Budget & Finance Director

CONTRACT BOND

KNOW ALL MEN BY THESE PRESENTS, that Skagit County, a Municipal Corporation of Washington, has awarded _____ of _____, as Principal, and _____as Surety, are jointly and severally held and bound unto the County of Skagit in the penal sum of _____ ($_____), dollars, for the payment of which we jointly and severely bind ourselves, our heirs, executors, administrators, and assigns, and successors and assigns, firmly by these presents.

THE CONDITION of this bond is such that whereas, on the _____ day of _____ A.D., 2015, the said Principal, herein, executed a certain contract with the County of Skagit by the items, conditions and provisions of which contract the said _____, Principal, herein agree to furnish all material and do certain work, to wit: That _____ will undertake and complete the construction of

EAGLE PIT CRUSHING CONTRACT #RF20-EAG-D

according to the maps, plans and specifications made a part of said contract, which contract as so executed, is hereunto attached, is now referred to and by reference is incorporated herein and made a part hereof as fully for all purposes as if here set forth at length. The bond shall cover all approved change orders as if they were in the original contract.

NOW, THEREFORE, if the Principal herein shall faithfully and truly observe and comply with the terms, conditions and provisions of said contract in all respects and shall well and truly and fully do and perform all matters and things by _____ (principal) undertaken to be performed under said contract, upon the terms proposed therein, and within the time prescribed therein, and until the same is accepted, and shall pay all laborers, mechanics, subcontractors and material men, and all persons who shall supply such contractor or subcontractor with provisions and supplies for the carrying on of such work, and shall in all respects faithfully perform said contract according to law, then this obligation to be void, otherwise to remain in full force and effect.

WITNESS our hands this _____ day of _____, 2015.

_____

_____

_____
(Principal)

_____

_____

_____
Attorney-in-Fact, Surety

_____
Name and Address
Local Office of Agent

APPROVED AS TO FORM
RICH WEYRICH
Skagit County Prosecuting Attorney

APPROVED AS TO FORM
JESSICA NEIL HOYSON
Skagit County Risk Manager

BY: _____
Approving Authority

DATE: _____, 2015

_____
SURETY BOND NUMBER

_____
CONTRACT NUMBER

_____

_____

APPENDIX C

Proposal Forms-Informational Only

Proposal for Bidding Purposes

For Construction of:

EAGLE PIT CRUSHING CONTRACT #RF20-EAG-D

SKAGIT COUNTY PUBLIC WORKS

SKAGIT COUNTY
Public Works Department
1800 Continental Place
Mount Vernon, WA 98273

PROPOSAL

EAGLE PIT CRUSHING CONTRACT #RF20-EAG-D

Skagit County, WA
2015

All bid envelopes must be plainly marked on the outside, **"Sealed Bid, Eagle Pit Crushing Contract #RF20-EAG-D"**

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

Bids may be hand delivered to: The Reception Desk of Skagit County Commissioners Office, located at 1800 Continental Place, Mount Vernon, WA.

Bids may be mailed to: Skagit County Commissioners
1800 Continental Place, Suite 100
Mount Vernon, Washington, 98273

The bid opening date for this project will be **Monday, March 23, 2015.** The bids will be publicly opened and read after **2:45 p.m.** on this date.

Bid Advertisement: Skagit Valley Herald – March 5 and March 12, 2015
Daily Journal of Commerce – March 5 and March 12, 2015

ENTIRE PROPOSAL TO BE RETURNED AS YOUR BID PACKAGE

FAILURE TO SIGN OR COMPLETE ALL INFORMATION ON THE FORMS PROVIDED CAN RESULT IN REJECTION OF THE PROPOSAL AS NON-RESPONSIVE

PROPOSAL

BOARD OF SKAGIT COUNTY COMMISSIONERS
MOUNT VERNON, WASHINGTON 98273

Attention:

This certifies that the undersigned has examined the locations of:

EAGLE PIT CRUSHING CONTRACT #RF20-EAG-D

and that the plans, specifications and contract governing the work embraced in this improvement, 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 this improvement, or as much thereof 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: for work performed on this project the contractor should refer to RCW 82.04.415, WAC 458-20-171, Section 1-07.2(1) of the contract provisions and Department of Revenue Rule #171. The contracting agency will not add sales tax to each payment made to the contractor. For this reason, the contractor shall include any retail sales tax in the unit bid prices or in any other contract amount as applicable.

(Note: Unit prices for all items, all extensions, and total amount of bid shall be shown. All entries must be typed or entered in ink.)

EAGLE PIT CRUSHING CONTRACT

Item No.	Description	Spec	QTY	Unit of Measure	Unit Price	Total Price
1	Mobilization	1-09.7	1.00	LS	$_____ .___	$_____ .___
2	SPCC Plan	1-07.15(1)	1.00	LS	$_____ .___	$_____ .___
3	Unanticipated Site Work	1-09.6 SP	EST	DOL	$ **1 .00**	$ **10,000 .00**

4	BST Chips	3-01.6 SP	185,00.00	TON	$_____ .___	$_____ .___
5	Crushed Surfacing Base Course	3-01.6 SP	280,00.00	TON	$_____ .___	$_____ .___
					TOTAL BID	**$_____ .___**

FOR WORK PERFORMED ON THIS PROJECT THE CONTRACTOR SHOULD REFER TO RCW 82.04.415, WAC 458-20-171, SECTION 1-07.2(1) OF THE CONTRACT PROVISIONS AND DEPARTMENT OF REVENUE RULE #171. THE CONTRACTING AGENCY WILL NOT ADD SALES TAX TO EACH PAYMENT MADE TO THE CONTRACTOR. FOR THIS REASON, THE CONTRACTOR SHALL INCLUDE ANY RETAIL SALES TAX IN THE UNIT BID PRICES OR IN ANY OTHER CONTRACT AMOUNT AS APPLICABLE.

PROPOSAL – Signature Page

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.

The undersigned hereby agrees to pay labor not less than the prevailing rates of wages in accordance with the requirements of the special provisions for this project.

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:

☐	CASHIER'S CHECK	In the amount of $_____ Dollars
☐	CERTIFIED CHECK (Payable to Skagit County)	In the amount of $_____ Dollars
☐	PROPOSAL BOND	In the amount five percent (5%) of the total bid.

Receipt is hereby acknowledged of Addendum(s) No. (s) _____, _____, & _____

Signature of Authorized Officials(s):

Proposal Must Be Signed →

_____

_____

PRINT NAME

Firm Name: _____

Address: _____

_____

_____

Telephone No.: _____

State of Washington Contractor's License No._____

UBI No._____

Employment Security Department No._____

Note:

(1) This proposal form is not transferable and any alteration of the firm's name entered hereon without prior permission from the Skagit County will 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, "Preparation of Proposal", or "Article 4" of the Instruction to Bidders for building construction jobs.

BID PROPOSAL MUST BE SIGNED.

FAILURE TO SIGN OR COMPLETE ALL INFORMATION CAN RESULT IN REJECTION OF THE PROPOSAL AS NON-RESPONSIVE.

SUBMIT THE ENCLOSED PROPOSAL BOND FORM WITH YOUR PROPOSAL

USE OF OTHER FORMS MAY SUBJECT YOUR BID TO REJECTION

PROPOSAL BOND

KNOW ALL MEN BY THESE PRESENTS, That we, _____

_____

of _____ as principal, and the

_____ a corporation duly

organized under the laws of the State of _____,
and authorized to do business in the State of Washington, as surety, are held and firmly bound unto Skagit County in the full and penal sum of five (5) percent of the total amount of the bid proposal of said principal for the work hereinafter described for the payment of which, well and truly to be made, we bind our heirs, executors, administrators and assigns, and successors and assigns, firmly by these presents.

The condition of this bond is such, that whereas the principal herein is herewith submitting his or its sealed proposal for the following highway construction, to wit:

EAGLE PIT CRUSHING CONTRACT #RF20-EAG-D

said bid and proposal, by reference thereto, being made a part hereof.

NOW THEREFORE, If the said proposal bid by said principal be accepted, and the contract be awarded to said principal, and if said principal shall duly make and enter into and execute said contract and shall furnish bond as required by Skagit County within a period of twenty (20) days from and after said award, exclusive of the day of such award, then this obligation shall be null and void, otherwise it shall remain and be in full force and effect.

IN TESTIMONY WHEREOF, The principal and surety have caused these presents to be signed and sealed this _____ day of _____, 2015.

_____

_____
(Principal)

_____ _____
(Surety) (Attorney-in-fact)

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.

APPENDIX D

Permits

WASHINGTON STATE DEPARTMENT OF
Natural Resources

JENNIFER M. BELCHER
Commissioner of Public Lands

KALEEN COTTINGHAM
Supervisor

June 13, 1994

Skagit County Public Works
Attn: Doug Argo
700 S. Second Street, Room 203
Mt. Vernon, WA 98273

RE: Reclamation Permit No. 70-010304

Gentlemen:

Enclosed is your Revised Reclamation Permit No. 70-010304, permitting continued surface mining on a portion of Section 8, Township 35 North, Range 8 East, W.M., Skagit County. This permit is issued in accordance with the provisions of RCW 78.44, and in accordance with the conditions set forth in Exhibit "A", Additional Conditions of the Permit, attached to and made a part of the permit. Also, please be aware that the removal of timber from the mining permit area prior to enlarging the pit area may require a Forest Practice (FPA) permit from our office.

The law requires that reclamation activities on the lands covered by your permit shall be completed not more than two (2) years after completion or abandonment of surface mining on any segment of the permit area. I recommend, however, that whenever possible you reclaim the site as you remove material.

An annual billing for the permit fee is included on the form for the annual report of reclamation activities which will be mailed to you approximately thirty (30) days prior to the anniversary date of the permit.

Please refer to the above permit number when submitting inquiries or reports.

Sincerely,

Joseph L. Blazek
Natural Resource Program Coordinator

JLB:cl
Enclosures

WASHINGTON STATE DEPARTMENT OF
Natural Resources

SURFACE MINING RECLAMATION PERMIT (Form SM-9)

Permit holder: Skagit County Public Works

Mailing address: 700 S. Second Street, Room 203

Mt. Vernon, WA 98273

Pursuant to RCW 78.44, a Reclamation Permit is hereby granted to the above-named permit holder to engage in surface mining on the property described in the application and material on file under this permit. The total area to be disturbed by surface mining, including the deposition of surface-mining refuse, shall be in accordance with the reclamation plan filed with and approved by the Department of Natural Resources under this permit, and in accordance with the conditions and descriptions set forth in Exhibit "A" attached hereto and made a part hereof, and RCW 78.44.

TERM OF PERMIT

This permit shall be in effect from the date of issuance and shall remain in effect so long thereafter as the permit holder pays the annual basic fee for each site, complies with the Surface Mining Act and the rules promulgated thereunder, complies with the reclamation plan, and maintains a performance security as required by the Act.

CHANGE OR MODIFICATION OF RECLAMATION PLAN

The permit holder shall obtain written approval from the Department prior to any change or departure from the approved reclamation plan.

PERFORMANCE SECURITY

A performance security shall be submitted to and approved by the Department prior to commencement of surface mining. The permit holder may submit a cash deposit, assignment of a savings account or certificate of deposit, bank letter of credit, negotiable securities, assignments of interest in real property within the state, or a corporate surety bond in the amount specified. The amount of the performance security shall be subject to adjustment according to RCW 78.44.

TRANSFER OF PERMIT

The transfer of this permit to another permit holder shall not be made unless approved in writing by the Department. A transfer shall not be approved unless the successor permit holder assumes all duties of the former permit holder to complete the reclamation of the land and the Department approves the successor permit holder's performance security.

PENALTIES

The Department may suspend surface mining or impose civil penalties if the permit holder conducts surface mining in any manner not authorized by RCW 78.44, the rules adopted thereunder, the approved reclamation plan, or this permit.

Issued this 13th day of June, 1994

Signature Joseph L Blazek

Name *(type or print)* Joseph L. Blazek

Title Natural Resource Program Coordinator

Region Northwest

SW of SE ¼ Sec 8, T 35 N, R 8 East

____ ¼ Sec ____, T____ N, R____

____ ¼ Sec ____, T____ N, R____

____ ¼ Sec ____, T____ N, R____

____ ¼ Sec ____, T____ N, R____

Permit area 15.4 acres

Reclamation Permit No.
70-010304

Reclamation Permit No. 70-010304

EXHIBIT "A"

ADDITIONAL CONDITIONS OF THE PERMIT

(1) This Reclamation Permit applies to the following property: A 15.4-acre portion in the SW 1/4 of the SE 1/4, Section 8, Township 35 North, Range 8 East, W.M., Skagit County, Washington.

(2) A minimum setback of 10 feet from adjacent properties is to be maintained on the east and west sides of the pit. Mining and related activities shall not occur within this setback, except as necessary to complete final reclamation.

(3) Within 90 days of the date of this permit, the operator shall mark the entire length of the east and west boundaries of the permit area with easily-visible, permanent monument posts spaced not more than 100 feet apart.

(4) All topsoil within the permit area shall remain onsite. All topsoil from areas to be mined shall be salvaged and stockpiled or immediately redistributed over regraded reclamation areas. Operator shall directly respread topsoil materials over reclamation areas whenever feasible.

(5) Topsoil shall be removed and stockpiled, and respread over reclaimed areas only when the topsoil is dry enough to assure workability, and uniform and effective distribution.

Joseph L. Blazek
Natural Resource Program Coordinator
Northwest Regional Office
June 13, 1994

WASHINGTON STATE DEPARTMENT OF
Natural Resources

APPLICATION FOR SURFACE MINING RECLAMATION PERMIT (Form SM-2)

This application is for *(check one)*: ☐ new permit ☒ revision of existing permit ☐ transfer of permit.

NAME OF COMPANY OR INDIVIDUAL APPLICANT(S)
This will be the name on the permit. *(Type or print in ink.)*
Skagit County Public Works

MAILING ADDRESS
700 S. Second St, Rm 203
Mt. Vernon, WA 98273
(Attn: Doug Argo)
Telephone 206-336-9400

TOTAL ACREAGE OF PERMIT AREA APPLIED FOR
(Include all acreage to be disturbed by mining, setbacks and buffers, and associated activities during the life of the mine.) 15.4 acres

COUNTY Skagit
No attachments will be accepted. Legal description of permit area:

1/4	1/4	Section	Township	Range
SW	SE	8	35N	8E

SURFACE OWNERSHIP
Give names, addresses, and signatures of all individuals with possessory interest in land. (Attach signed copies of this document if more than one.)
Skagit County Public Works
(purchase is in process)

I verify that the applicant has my permission to mine from my land.
Signature of owner N/A Date

Application fee of $650.00 for a new reclamation permit is herewith attached? ☐ Yes ☒ No

OWNERSHIP OF RIGHTS TO REMOVE MINERALS BY SURFACE MINING Give names, addresses, and signatures of all individuals with rights. (Attach signed copies of this document if more than one.)
Skagit County Public Works
(purchase is in process)

I verify that the applicant has my permission to mine from this land.
Signature of owner N/A Date

Street address and milepost of surface mine
4150 S. Skagit Highway
MP 22.57

Distance (miles)	Direction from	Nearest community
2	SW	Concrete, WA

Do you or any person, partnership, or corporation associated with you now hold, or have you held, a surface mining operating or reclamation permit? ☒ Yes ☐ No

Method of mining: open pit

Maximum depth of mine: 65 feet

If you answered yes to the above, please list:

Permit number	Active operation: Yes	Active operation: No	Reclamation current or complete: Yes	Reclamation current or complete: No
70-010303	X			X
70-011351	X		X	
70-010307	X		X	
70-010304	X		X	
70-010305		X		X

Expected start date of mining: 4/95
Estimated number of years ~~30~~

Estimated annual production: ☐ tons, or ☒ cu yds
~~12,000~~ 20,000

Minerals to be mined: Sand + gravel

Total quantity to be mined over life of mine (estimated): 600,000 ☐ tons, or ☒ cu yds

Have you ever had a surface mining operating or reclamation permit revoked? ☐ Yes ☒ No
Have you ever had a reclamation security forfeited? ☐ Yes ☒ No

If you answered yes to the above, give permit number(s)
n/a

Are all of these mines now in compliance with RCW 78.44, WAC 332-18, and conditions of the permits? ☒ Yes ☐ No

The applicant shall be considered as the permit holder for this surface mine and shall be responsible for compliance with RCW 78.44, WAC 332-18, the approved reclamation plan (Form SM-8A and attachments), and the conditions of the permit if issued by the Department of Natural Resources.

Signature of company representative or individual applicant(s)	Name and title of company representative *(please print)*	Date signed
Douglas E. Argo for Skagit Co. Public Works	Douglas E. Argo Civil Engineer/Special Operations Skagit Co. Public Works	4/28/94

FOR DEPARTMENT USE ONLY:

Date accepted	Accepted by	Reclamation Permit No.
6-13-94	[illegible]	70-010304

WASHINGTON STATE DEPARTMENT OF
Natural Resources

COUNTY OR MUNICIPALITY APPROVAL FOR SURFACE MINING (Form SM-6)

NAME OF COMPANY OR INDIVIDUAL APPLICANT(S)
Same as name of reclamation permit holder. *(Type or print in ink.)*
SKagit County Public Works

MAILING ADDRESS
700 S. Second St, Rm 203
Mt. Vernon, WA 98273-3864
(Attn: Doug Argo)

Telephone 206-336-9400

TOTAL ACREAGE OF PERMIT AREA APPLIED FOR
(Include all acreage to be disturbed by mining, setbacks and buffers, and associated activities during the life of the mine.) 15.4 acres

COUNTY SKagit

No attachments will be accepted. Legal description of permit area:

1/4	1/4	Section	Township	Range
SW	SE	8	35N	8E

Proposed subsequent use of site upon completion of reclamation
Forestry

Signature of company representative or individual applicant(s)	Name and title of company representative *(please print)*	Date signed
Douglas E. Argo	Douglas E. Argo Civil Engineer - Special Operations	6/3/94

TO BE COMPLETED BY THE APPROPRIATE COUNTY OR MUNICIPALITY:

	Yes	No
1. Is the proposed subsequent use consistent with the local land-use designation?	X	
2. Does the applicant have an appropriate permit to conduct surface mining if required by local regulation? (Please attach a copy of the permit, written order, or ordinance.)	X	

COMMENTS

When complete, return this form to the appropriate Department of Natural Resources regional office.

Name of planning director or administrative official *(please print)*
JEFF MORGAN

Signature
Jeff Morgan

Title *(please print)*
Associate Planner

Address
700 South Second
Room 204
County Administration Building
Mount Vernon, WA
98273

Telephone (206) 336-9434

Date 6/3/94

FOR DEPARTMENT USE ONLY:

DNR Reclamation Permit No. 70-010304

Copy distribution: White = Olympia, Yellow = Region, Pink = Applicant, Goldenrod = County or Municipality

70 - 010304

WASHINGTON STATE DEPARTMENT OF
NATURAL RESOURCES

STANDARD RECLAMATION PLAN
(Form SM-8A)

Name of applicant/permit holder(s): (Type or print in ink.) This will be the name(s) on the permit and performance security.

SKAGIT COUNTY PUBLIC WORKS

Name of mine	Street address and milepost of surface mine
EAGLE HILL PIT	4150 S. SKAGIT HIGHWAY, m.p. - 22.57

Mailing address	Telephone
SKAGIT COUNTY PUBLIC WORKS 700 S. SECOND ST., RM 203 MT. VERNON, WA 98273-3864	(206) 336-9400

ATTN: MR. DOUG ARGO

Distance (miles)	2 mi.
Direction from	SW
Nearest community	Concrete, WA
County	Skagit

No attachments will be accepted. Legal description of permit area:
SW 1/4 SE 1/4 Section 08 Township 35N Range 8E

Surface ownership: Give names and addresses of all individuals with possessory interest in land. (Continue on another sheet if more space is needed.)

SKAGIT COUNTY (Purchase is in progress)

Mining area to be disturbed: (Include all acreage to be disturbed by mining, reclamation setbacks, and associated activities during the life of the mine.)

In the following 36 months 6.5 acres

Total during the life of the mine (This should be the same number as on Form SM-2.) 15.4 acres

CHECKLIST OF MINIMUM RECLAMATION STANDARDS
GENERAL INSTRUCTIONS

Please check the appropriate boxes and fill in the blanks below. Where required, please explain in the space provided. If the question does not apply to your mine, please write in "NA" for

"not applicable" to let us know you have read the question. If additional space is needed, write "(Continued)" in the blank and restate the question and continue your answer on a separate sheet, or write "See attached report" in the blank and attach a report. Any unanswered questions may result in this form being returned to you unapproved.

MINE TYPE

Type of mine: XX pit ____ quarry

Material(s) to be mined: XX sand and gravel, ____ rock or stone, ____ clay, ____ metal, ____ limestone, ____ silica other_____

Deposit type: ____ glacial, ____ river flood plain (alluvial), XX river channel deposits, ___ talus, ___ bedrock, ___ unknown, ___ lode, ___ other_____

HYDROLOGY

Water table depth is 19 feet below ~~sea level, or~~ the surface, ~~or other~~ ____.

Annual fluctuation of water table is from 19 feet below g.s. on 1/20/94 to unknown feet during summer months.

Direction of ground water flow: Assumed N based on topography.

Is the aquifer perched? ___ yes X no

Is the shallowest aquifer: ___ confined X unconfined?

The site will be mined: ___ wet X dry ___ both
Explain:
Well installed 12/93 indicates that there is an unconfined aquifer with a static water elevation of approximately Elevation 151 as measured 1/20/93. The proposed pit floor is at Elevation 160. Ground water elevation is expected to be slightly lower in the summer than in winter.

If any of the following conditions apply, a hydrogeologic evaluation that outlines measures to protect against or mitigate avulsion, erosion, and damage to fisheries may be necessary. The site is in a:
___ river or stream channel, ___ 100-year flood plain,
___ critical aquifer recharge area, ___ sole source aquifer,
___ wellhead protection area, ___ special protection area,
___ public water supply watershed
___ designated aquifer protection area

Hydrogeologic evaluation is attached ___ yes X no
Explain: NA

SUBSEQUENT LAND USE

Subsequent land use: ___ industrial ___ agricultural _X_ forestry ___ residential ___ wetlands and lakes ___ other

Subsequent land use is compatible with county or municipal comprehensive plan? _X_ yes ___ no

County or Municipality Approval for Surface Mining (Form SM-6) is attached? _X_ yes ___ no

If any answers are no, explain: Special Use permit is pending. Public Hearing is June 1. Decision expected by mid June.

Note: Approval of the reclamation plan and (or) Form SM-6 does not vest the subsequent land use. Subsequent use may be changed by the permit holder with the written approval of local government up until the time reclamation is complete and the reclamation permit is terminated. Change of subsequent use by the permit holder may require submission of revised Forms SM-6 and SM-8A and a State Environmental Policy Act (SEPA) checklist.

SITE PREPARATION

Permit and Disturbed Area Boundaries

The permit holder should delineate the permit boundaries and maximum extent of disturbance and setbacks with clearly visible permanent boundary markers. The permit holder must maintain the boundary markers until the termination of the reclamation permit.

Boundary of the permit area has been marked with permanent boundary markers? ___ yes _X_ no

Boundaries of areas to be disturbed by mining (permit area minus setbacks) have been marked with permanent boundary markers?
___ yes _X_ no

If no, explain: Boundary corners have been set by survey. Boundary lines between corners will be marked at completion of purchase.

Saving Topsoil and Overburden for Reclamation

Prior to any surface mining operation, the permit holder shall carefully stockpile all available topsoil and overburden in stable storage areas for use in later reclamation or immediately move them to reclaim adjacent depleted segments. Topsoil needed for reclamation may not be sold or given away or removed or mixed with sterile soils. Topsoil should not be used for screening berms required by county or municipal government because this would preclude its timely use for reclamation.

Depth of topsoil is 1 foot.
Depth of subsoil is 1 feet.
Depth to bedrock is 0 - 40+ feet.

Topsoil will be salvaged where possible? X yes ___ no
If no, explain: NA

Topsoil and overburden will immediately be moved to reclaim adjacent depleted segment? ___ yes X no
If no, explain:
Crushing spoils will be used to final grade slopes. There will be a 2 - 3 year delay between depletion and final reclamation of a mine segment.

Topsoil and overburden storage areas will be beyond the limits of mining but positioned for the shortest possible downhill transport during reclamation? ___ yes X no
If no, explain:
Topsoil will be stockpiled on unmined areas. When slopes have been final graded, topsoil will be moved from unmined area and spread on area being reclaimed.

Before materials are moved, vegetation will be cleared and drainage planned for the storage areas? X yes ___ no
If no, explain: NA

Storage areas will be stabilized with vegetation if materials will be stored more than one season? X yes ___ no
If no, explain: NA

Permanent Setbacks and Screens

Permanent setbacks and screens help control erosion, and provide seed sources for reclamation. Screens should consist of native vegetation and (or) topography. Permanent setbacks are not required for pits (unconsolidated deposits) but may still be useful if the mine has close neighbors or adjacent scenic resources, and setbacks may be required by local government. Permanent setback and screen material should not be mined or used for reclamation. The minimum permanent setback for quarries (consolidated deposits) permitted after June 30, 1993, is 30 feet.

The permanent setback for this site will be 0 feet wide.

Reclamation Setbacks

If the cut-and-fill method will be used to restore slopes rather than mining to a final slope, a setback from the property boundary or permanent setback (where used) is necessary to insure sufficient material for reclamation. The reclamation setback for pits (unconsolidated deposits) permitted after June 30, 1993, must be at least equal to the maximum anticipated height of the

adjacent working face. (A setback equal to the working face will provide only enough material for a 2:1 slope. To meet the standards of the law for slopes of between 2:1 and 3:1, a larger setback is generally required.)

Maximum depth of the mine will be 10 - 65 feet.

The reclamation setback (material that can be used for reclamation) for this site will be 0 feet wide.

Reclamation setback has been marked with permanent boundary markers? ___ yes _X_ no
If no, explain: NA

This site will not have a reclamation setback because a backfilling plan is attached? _x_ yes ___ no

This site will not have a reclamation setback for the following reason(s):

Site will be mined to a steep, but stable slope (approximately 1:1). The remainder of the grading will be accomplished with spoils from the crushing operation. The spoils will be covered with topsoil as soon as final grading is accomplished.

Setbacks to Protect Streams and Flood Plains

Generally no mine may be located in or near streams or on 100-year flood plains unless a Shoreline Permit has been issued. Setbacks from streams and flood plains should be at least 200 feet wide. Wider setbacks may be necessary for stream and flood-plain stability and to prevent breaching of the pit at a later date.

A stream setback of at least 200 feet has been marked with permanent boundary markers? ___ yes _X_ no

A setback of at least 200 feet from the 100-year flood plain has been marked with permanent boundary markers? ___ yes _X_ no
Explain: Limits of site are not within 200 feet of a stream or the 100 year flood plain.

Copy of Shoreline Permit from the Department of Ecology and (or) local government is attached? ___ yes _X_ no

Hydraulic project approval from the Department of Fisheries and Wildlife is attached? ___ yes _X_ no

Conservation Setbacks

In special cases, setbacks may be necessary to protect unstable slopes, wildlife habitat, or other sensitive areas or to limit turbid water discharge from areas that will be disturbed. Conservation setbacks are necessary for:
___ unstable slopes; ___ wildlife habitat; ___ water quality;
___ other_____
Explain: NA

Conservation setbacks have been marked with permanent boundary markers? ___ yes _X_ no

SEGMENTAL RECLAMATION

The permit holder must reclaim each segment of the mine within two years of completing mining on that segment and (or) in the manner described in this reclamation plan or a separate segmental reclamation agreement. Segmental reclamation helps establish self-sustaining vegetation, especially native pioneer vegetation, and promotes stable slope conditions and improves the water quality and appearance of the site.

Permit area has been divided into segments for mining and reclamation purposes? _X_ yes ___ no
If no, explain: _____

Each segment is smaller than seven acres, has less than 500 linear feet of working face, and has characteristics that make it feasible to treat it as a unit? ___ yes _X_ no
Explain: Each segment is less than 7 acres, but unreclaimed working face will be longer than 500 feet due to configuration of the site.

A schedule for the sequence of mining and segmental reclamation of each segment or a Segmental Reclamation Agreement is attached? _X_ yes ___ no
If no, explain: _____

MINING PRACTICES TO FACILITATE RECLAMATION

Removal of Vegetation

Vegetation will be removed sequentially from areas to be mined to prevent unnecessary erosion? _X_ yes ___ no
If no, explain: _____

Small trees and other transplantable vegetation will be salvaged for use in revegetating other segments? ___ yes _X_ no
If yes, give details: _____

Wood and other compactible debris should not be buried; it should be recycled, removed, burned, or chipped. If wood and other compactible debris will be buried, solid-waste disposal and land-use permits must be obtained.

Wood and other compactible debris will be:
___ recycled; ___ removed; _X_ chipped; _X_ burned; ___ buried;
___ used to synthesize topsoil or mulch; ___ other _____

Solid-waste disposal, burning, and land-use permits are attached? ___ yes _X_ no

Some wood and other debris will be salvaged and used for fish and wildlife habitats? ___ yes _X_ no
If yes, give details; if no, explain: The site was logged about 5 years ago. There is little material suitable for salvage.

Erosion Control

Erosion control measures are generally necessary during mining to avoid severe erosion or loss of topsoil. Each site must be evaluated on an individual basis, and multiple techniques to control erosion may be necessary. The Department of Ecology requires discharge permits for most surface mines. In addition, some mines at higher elevations should plan for the effects of rain-on-snow events on slope stability and erosion.

Pit floor will slope at gentle angles toward highwall, sediment retention pond, or proper drainage? _X_ yes ___ no
If yes, give details; if no, explain: Currently water infiltrates the existing pit floor, which slopes gently to the east, and doesn't exit the site. We intend to keep all stormwater on site. An infiltration area will be constructed at the northeast portion of the site. Shallow swales will be constructed perpendicular to the slope of the pit floor around the active mining areas. These swales will act as sediment traps.

Revegetation, sheeting, and (or) matting will be used to protect areas susceptible to erosion? _X_ yes ___ no
If yes, give details; if no, explain: Reclaimed slopes will be revegetated as soon as practical. Active mine faces will be left unprotected. Sediment will be trapped in shallow swales on the floor of the pit surrounding the active face.

Temporary water-control systems used for erosion control will:
Divert clean water around the pit? ___ yes _X_ no

Trap sediment-laden runoff before it enters a stream?
_X_ yes ___no

Result in essentially natural conditions of volume, velocity, and turbidity? _X_ yes ___ no

Be designed for 25-yr, 24-hr peak event? _X_ yes ___ no

Be removed or reclaimed? _X_ yes ___ no

If any answers are no, explain: There is no stream to divert

around the pit.

Ditches, flumes, and (or) armored channels will be established to prevent erosion of setbacks on neighboring properties?
___yes _X_no
If yes, give details; if no, explain: NA. There are no streams or channels to protect.

Stormwater conveyance ditches and channels will be lined with vegetation or riprap? ___ yes _X_ no
If yes, give details; if no, explain: No ditches or channels are proposed.

Natural and other drainage channels will be kept free of equipment, wastes, stockpiles, and overburden? ___ yes _X_ no
If no, explain: No channels.

RECLAMATION TOPOGRAPHY

The goal of reclamation is to create stable, usable land. New drainages should be established, and contours should blend smoothly with adjacent offsite topography. To promote slope stability and revegetation, slopes should generally vary between 2.0 and 3.0 feet horizontal to 1.0 foot vertical or flatter. Slopes steeper than 1.5 feet horizontal to 1.0 foot vertical are not acceptable for pits except in limited areas to tie in to offsite topography. The reclaimed mine site should appear natural--that is, slopes should be sinuous and right-angle corners should be eliminated by rounding. Sinuous slopes can be formed either by mining to the prescribed angles, which is generally more cost effective, or by using the cut-and-fill method. Backfilling is not allowed unless prior approval is obtained from DNR.

FINAL SLOPES

Slopes will vary in steepness? _X_ yes ___ no
If no, explain: _____

Slopes will have a sinuous appearance in both profile and plan view? _X_ yes ___ no
If no, explain: _____

Slopes will have no large rectilinear (that is, right angle or straight, planar) areas? _X_ yes ___ no
If no, explain: _____

Where reasonable, tracks of the final equipment pass will be preserved and oriented to trap moisture, soil, and seeds and to inhibit erosion? _X_ yes ___ no
If no, explain: _____

Slope Requirements for Pits and Waste Rock Dumps

For unconsolidated material (such as sand and gravel pits, waste rock dumps, etc.), final slopes must meet the following requirements:

Slopes will vary between 2.0 and 3.0 feet horizontal to 1.0 foot vertical or flatter, except in limited areas where steeper slopes are necessary to create sinuous topography and control drainage?
_X_ yes ___ no
If no, explain: _____

For pits, slopes will not exceed 1.5 feet horizontal to 1.0 foot vertical except as necessary to blend with adjacent natural slopes? _X_ yes ___ no
Give details: Slopes will not exceed 1.5H:1V.

Slope Requirements for Quarries and Hardrock Metal Mines

For consolidated rock, such as basalt, andesite, granite, limestone, or quartzite, a vertical highwall face may be acceptable. There is no prescribed angle or height.

Some slopes will be reclaimed as cliffs? ___ yes _x_ no
If yes, explain by checking the appropriate blank below:

___ Slopes steeper than 1.0 foot horizontal to 1.0 foot vertical are an acceptable subsequent land use as confirmed on Form SM-6.

___ Cliffs are indigenous to the immediate area and already present a threat to human life. Photo attached to document presence of cliffs.

___ Geologic or topographic characteristics of the site preclude slopes being reclaimed at a flatter angle and are an acceptable subsequent land use as confirmed on Form SM-6.

Explain: NA

Selective blasting will be used to remove benches and walls and to create chutes, buttresses, spurs, scree slopes, and rough cliff faces that appear natural? ___ yes _X_ no
If yes, give details; if no, explain: NA

Reclamation blasting will be used to reduce the entire highwall to a scree or overburden slope less than 2.0 feet horizontal to 1.0 foot vertical? ___ yes _X_ no
If yes, give details; if no, explain: NA

Small portions of benches will be left to provide habitat for raptors and other cliff-dwelling birds? ___ yes _X_ no

Backfilling

If backfilling is proposed, it is necessary to give the source of the backfill material, quantity needed, grading and compaction scheme, erosion control plan, and immediate vegetation plan. If backfill is to be brought from off site, copies of all permits from local government will be necessary.

Slopes will require significant backfilling? _X_ yes ___ no

DNR-approved backfilling plan and (or) permits are attached?
_X_ yes ___ no
If no backfilling plan attached, explain: _____

Backfilling will be done with overburden material (not topsoil) perched above the mine? ___ yes _X_ no
If no, what is the source of the material? Crusher spoils from on-site material. There will be NO imported backfill.

All grading/backfilling will be done with non-noxious, non-combustible, relatively incompactible solids? _X_ yes ___ no
If yes, give details; if no, explain: Spoils from on-site crushing operations are planned for backfilling adjacent to slopes.

Backfilled slopes will be compacted? ___ yes _X_ no
If yes, give details; if no, explain: Spoils will be placed at stable slopes, covered with topsoil and revegetated. Compaction would be exceptionally difficult and unnecessary.

MINE FLOORS

Flat areas will be formed into rolling mounds? _X_ yes ___ no
If yes, give details; if no, explain: See reclamation plan map.

Mine floor will be gently graded into sinuous drainage channels to preclude sheet-wash erosion during intense precipitation?
_X_ yes ___ no
If yes, give details; if no, explain: Floor will gently slope into drainage near NW corner then slope E to almost flat infiltration area.

Mine floor will be bulldozed, plowed, ripped, or blasted to foster revegetation? _X_ yes ___ no
If yes, give details; if no, explain: Bulldozed so that tracks hold moisture and seeds.

LAKES, PONDS, AND WETLANDS

If surface mining results in the formation of a swamp, pond, or lake useful for recreation, wildlife habitat, water quality control, or other beneficial wetland purposes, the site must be reclaimed in the following manner:

Reclaimed areas below the permanent low water table in soil, sand, gravel, and other unconsolidated material will have a slope no steeper than 1.5 feet horizontal to 1.0 foot vertical?
___ yes _X_ no
If yes, give details; if no, explain: NA

If not already present, soils, silts, and clay-bearing material will be placed below water level to enhance revegetation?
___ yes _X_ no
If yes, give details; if no, explain: NA

Some parts of pond and lake banks will be shaped so that a person can escape from the water? ___ yes _X_ no
If yes, give details; if no, explain: NA

Armored spillways or other measures to prevent undesirable overflow or seepage will be provided to stabilize bodies of water and adjacent slopes. ___ yes _X_ no
If yes, give details; if no, explain: NA

Wildlife habitat will be developed, incorporating such measures as:
Sinuous and irregular shorelines? ___ yes _X_ no

Varied water depths? ___ yes _X_ no

Shallow areas <18 inches deep? ___ yes _X_ no

Islands and peninsulas? ___ yes _X_ no

Give details: NA

Ponds or basins will:
Be located in stable areas? ___ yes _X_ no
Have sufficient volume for expected runoff? ___ yes _X_ no
Have an emergency overflow spillway? ___ yes _X_ no
Have protected spillways and outfalls (for example, rock armor) to prevent failure and erosion? ___ yes _X_ no

If any answers are no, explain: NA

Proper measures will be taken to prevent seepage from water impoundments that could cause flooding outside the permitted area or adversely affect the stability of impoundment dams or adjacent slopes? ___ yes _X_ no
If yes, give details; if no, explain: NA

Written approval from other agencies with the jurisdiction to regulate impoundment of water is attached? ___ yes _X_ no
If no, explain: NA

Final Drainage Configuration

Reconstructed drainages must be graded and contain enough energy-dissipation devices so that essentially natural conditions of water velocity, volume, and turbidity are re-established within six months of reclamation of each mine segment. Drainage will be capable of carrying the peak flow of the 25-year, 24-hour precipitation event? (Data are available at DNR Region offices.)? _X_ yes ___ no
If yes, give details; if no, explain: No run-off will leave the site.

Drainages will be constructed on each reclaimed segment to control surface water, erosion, and siltation, and to direct clean runoff to a safe outlet? ___ yes _X_ no
If yes, give details; if no, explain: Reclaimed slopes will be protected with vegetation. All surface water will be contained on site.

The grade of ditches and channels will be constructed to limit erosion and siltation? _X_ yes ___ no
If yes, give details; if no, explain: Drainage slopes will be less than 2 percent.

SITE CLEANUP AND PREPARATION FOR REVEGETATION

Dealing with Hazardous Materials

If surface mining will expose hazardous natural materials, such as acid-forming coals and metalliferous rock or soil, the permit holder must attach a plan to handle such materials. All grading/backfilling to cover the hazardous materials must be made with non-noxious, noncombustible, relatively incompactible solids unless the permit holder provides written approval from all appropriate solid waste regulatory agencies. Other methods may also be acceptable.

Natural hazardous materials are present at the mine site?
___ yes _X_ no

The final ground surface drains away from any hazardous natural materials? ___ yes _X_ no
If yes, give details; if no, explain: NA

Plan for handling hazardous mineral wastes indigenous to the site is attached? ___ yes _X_ no
If no, written approval from all appropriate solid waste regulatory agencies is attached? ___ yes _X_ no **NOT APPLICABLE**

Removal of Debris

All debris (garbage, "bone piles", treated wood, etc.) will be removed from the site? _X_ yes ___ no

All temporary sheds, scale houses, and other structures will be removed from the site? _X_ yes ___ no

If either answer is yes, give details; if no, explain: No debris or temporary buildings are planned. Any that are accumulated or constructed will be removed.

SOIL REPLACEMENT

If available, up to 3 feet of topsoil and (or) subsoil will be restored? _X_ yes ___ no
If no, explain: _____

Topsoil will be restored and seedbeds prepared as necessary to promote effective revegetation and to stabilize slopes and mine floor? _X_ yes ___ no
If yes, give details; if no, explain: A "pasture mix" grass will be planted to stabilize the soil until trees and other vegetation are reestablished.

Topsoil will be replaced to an approximate depth of 1.0 feet on the pit floor and a depth of 0.5 feet on slopes.

Topsoil will be distributed evenly over the site _X_ yes ___ no
If no, explain: _____

If topsoil is in short supply, it will be strategically placed in depressions and low areas in adequate thickness to conserve moisture and promote revegetation? _X_ yes ___ no
If no, explain: _____

Topsoil will be moved when conditions are not overly wet or dry? _X_ yes ___ no
If no, explain: _____

Topsoil will be imported? _X_ yes ___ no
Explain: Ditching spoils may be imported to supplement stockpiled soil.

Synthetic topsoil will be used and (or) made on site to supplement existing topsoil? _X_ yes ___ no
If no, explain: Smaller wood waste will be chipped. The chips will be incorporated into the stockpile of topsoil.

Materials, such as till, loess, and (or) shale, are available on site that could be used to supplement topsoil for reclamation? ___ yes _X_ no
If no, explain: Not present.

Silts from settling ponds or a filter press will be used for reclamation? _X_ yes ___ no
If no, explain: _____

Settling pond clay slurries will be pumped or hauled to other segments for reclamation? ___ yes _X_ no
If no, explain: None expected.

Topsoil will be replaced with equipment that will minimize compaction, or it will be plowed, disked, or ripped following placement? _X_ yes ___ no
If no, explain: _____

Topsoil will be immediately stabilized with grasses and legumes to prevent loss by erosion, slumping or crusting? _X_ yes ___ no
If no, explain: _____

REVEGETATION

The revegetation plan should show how, when, where, and what vegetation will be planted. A thorough and detailed plan increases the chances that plants are well established when reclamation is finished. It is best to do test and demonstration plantings early and to monitor the results so that appropriate changes can be made before mining ceases.
The mine site is in:
___ eastern Washington _X_ western Washington

The mine site is: ___ wet _X_ dry

The average precipitation is _55_ inches/year.

Revegetation of a segment will start during the first proper planting season (fall for grasses and legumes, fall or late winter for trees and shrubs) following restoration of slopes?
_X_ yes ___ no
If yes, give details; if no, explain: A "pasture mix" which includes grasses and legumes will be planted in the first planting season following reclamation. Alders will invade the site quickly. Douglas Firs will be planted in the first appropriate planting season following shaping of slopes.

Test plots will be used to determine optimum vegetation plans?
___ yes _X_ no

The site will not be actively revegetated because:
___ It is a rural area with a rainfall exceeding 30 inches annually and erosion will not be a problem (requires approval of DNR Region office).
___ Demonstration plots and areas will be used to show that active revegetation is not necessary.
___ Revegetation is inappropriate for the approved subsequent use of this surface mine.

Explain: NA

Documentation is attached? ___ yes _X_ no

RECOMMENDED PIONEER SPECIES

Segmental reclamation allows plant communities to develop according to ecological succession stages. A combination of natural reseeding and intentional planting is the most effective means of establishing diverse and prosperous pioneer vegetation. Revegetation with grass and legumes should occur during the first appropriate season after slope shaping and replacement of topsoil. Establishing widespread healthy vegetation generally takes several seasons. Follow-up evaluations may be necessary to monitor progress and to determine why plants did not thrive. In eastern Washington, continuous ground cover may not be achievable because of arid conditions or sparse topsoil. However, revegetation shall be as continuous as reasonably possible. The sections below give suggestions for species most likely to survive in different types of climate. Check the species that will probably be planted at your mine site.

Western Washington Dry Areas

___alfalfa*
_X_clover*
___cereal rye
___colonial bent grass
___creeping red fescue
_X_Douglas fir
___ground cover (other)
___Other _____
___lupine*
___orchard grass
_X_perennial rye
___ponderosa pine
___red alder*
___shore pine
___shrubs

Western Washington Wet Areas

___birdsfoot trefoil
___cedar
___cottonwood
___creeping red fescue
___red alder*
___Other _____
___sedges
___tubers
___wetland grasses
___willow

Eastern Washington Dry Areas

___alder*
___alfalfa*
___black locust*
___deciduous trees
___deep-rooted ground cover
___diverse evergreens
___grasses
___Other _____
___juniper
___lodgepole pine
___lupine*
___ponderosa pine
___Russian olive*
___shrubs
___clover*

Eastern Washington Wet Areas

___alder*
___cottonwood
___poplar
___sedges
___Other _____
___serviceberry
___tubers
___willow

* indicates nitrogen-fixing species

Give planting details: A "Pasture Mix" would likely be planted as soon as practical after final slopes have been shaped. Alders will invade naturally. No encouragement is necessary. Douglas Fir will likely be planted during the following winter.

PLANTING TECHNIQUES

Mined sites generally present harsh conditions that hamper revegetation. Nevertheless, much can be done to increase the chances for successful seeding and planting.

Revegetation at this site will require:
Ripping and tilling? ___ yes _X_ no

Blasting to create permeability? ___ yes _X_ no

Mulching? ___ yes _X_ no

Irrigation? ___ yes _X_ no

Fertilization? ___ yes _X_ no

Importation of clay or humus-bearing soils? ___ yes _X_ no

Adding other soil conditioners or amendments? _X_ yes ___ no
Give details: Chipped wood waste will be added to existing topsoil prior to stockpiling. This will allow the wood chips to decompose and form humus. This will enhance the topsoil. Note: Topsoil will likely be stockpiled 6 years prior to placing on reclaimed slopes.

Trees and shrubs will be planted in topsoil or in subsoil amended with generous amounts of organic matter? _X_ yes ___ no
If yes, give details; if no, explain: Topsoil will be spread on reclaimed slopes and on pit floor.

Mulch will be piled around the base of trees and shrubs?
_X_ yes ___ no

High-quality stock will be used? _X_ yes ___ no

Trees and shrubs will be planted while they are dormant?
_X_ yes ___ no

Stock will be properly handled, kept cool and moist, and planted as soon as possible? _X_ yes ___ no

Seeds will be covered with topsoil or mulch no deeper than a half inch? _X_ yes ___ no

If any answers are no, explain: NA

A Reclamation and Seeding Report (Form SM-3) will be filed with the Department upon completion of revegetation for each segment?
_X_ yes ___ no
If no, explain: _____

Note: The Department of Natural Resources will not release a reclamation permit or performance security until it deems that effective revegetation has commenced. That is, vegetation has survived through at least one growing season and come up again (usually about 18 months).

MAPS

Information about your proposed reclamation plan should be provided on several types of maps: (1) a site-access map, (2) a pre-mining topographic map, (3) a reclamation sequence map, and (4) a final reclamation map with at least two intersecting cross sections. These maps and cross sections should be at an appropriate scale to show the desired information.

Suggested Map Scales

Site size	Map scale
3-5 acres	not less than 1 inch = 50 feet
5-10 acres	not less than 1 inch = 100 feet
10 or more acres	not less than 1 inch = 200 feet

Other Map Requirements

Preferred map size is 11 x 17 inches unless otherwise noted; larger maps are acceptable, but you must be prepared to furnish additional copies, if requested. If maps are small, they may be grouped together on a single sheet of paper.
Each map must include:
___Scale ___ Bar scale ___ North arrow
___Legend with all symbols defined or explained
___Title block with the following information:
- ___Title of map
- ___Application/permit number
- ___Name and address of applicant/permit holder(s)
- ___Space for signature
- ___Map/exhibit number
- ___Date map was drawn or revised

SITE ACCESS MAP

An 8-1/2 x 11 inch copy of the pertinent section of a road map that clearly shows how to get to the site from the nearest town.

PRE-MINING TOPOGRAPHIC MAp

This map is necessary to establish the location and setting of the mine site. It must show:

___Permit area plus an appropriate border on all sides.
___Elevations and contours, natural ground slopes, drainage patterns, and other topographic features.
___Boundaries and names of counties and municipalities.
___Boundaries of property ownership, including adjacent properties.
___Names and addresses of adjacent property owners.
___Locations and names of other mines.
___Locations and names of all roads, railroads, utility lines, or any other rights of way.
___Locations and names of all streams and natural and manmade drainways.
___Locations and names of significant buildings, parks, and other manmade features.
___Locations and names of all wells, lakes, springs, and existing wetlands.
___Boundaries of the areas that will be disturbed by mining.

RECLAMATION SEQUENCE MAP

This map shows the details of the plan for mining and segmental reclamation. It should cover the same area as the pre-mining topographic map and display the following information:

___Permit area plus an appropriate border on all sides.
___Boundaries of the areas that will be disturbed by mining.
___Locations of all permanent boundary markers.
___Location of proposed access roads to be built in conjunction with the surface mining operation and whether they will be reclaimed or left as roads.
___Locations and types of setbacks and berms.
___Numbered segments and the direction and sequence of mining. Avoid mining from the center outward.
___Topsoil storage areas and sequence of stripping, storing, and replacement on mined segments.
___Overburden storage areas and sequence of stripping, storing, and replacement of soil on mined segments.
___Waste rock piles and how they will be reclaimed and stabilized.
___Operation plant and processing areas.
___Measures taken to protect adjacent surface resources, including prevention of slumping or landslides on adjacent lands.
___Location and description of the erosion control systems, including drainage facilities and settling ponds.
___Other pertinent features.

FINAL RECLAMATION MAP

This is a topographic map of the site as it will look after final reclamation. It must show all applicable data required in the

narrative portion of the reclamation plan and details of the mine reclamation. The map should cover the same area as the pre-mining topographic map and should display the following information:

___Permit area plus an appropriate border on all sides.
___Final elevations and contours, adjacent natural ground slopes, reclaimed drainage patterns, and other topographic features.
___Locations and names of all roads, railroads, utility lines, or any other rights of way.
___Locations and names of all streams and drainages.
___Locations and names of significant buildings, parks, and other structures, facilities, or features.
___Locations and names of all lakes, springs, and wetlands.
___Location and depth of replaced topsoil.
___Permanent drainage and water-control systems (with expanded view, if needed).
___Area to be revegetated and proposed species.
___Other information pertaining to the permit and required by statute.

Cross sections

At least two cross sections (generally at right angles) show original and final topography and water table.

GEOLOGIC MAP

When required by the DNR, a detailed description of geologic setting and the type of deposit to be mined.

PHOTOS AND OTHER SUPPORTING DATA

Aerial and (or) other photographs should be submitted in support of the application, when feasible. Additional maps, photos, and detailed reports may be required by DNR.

FINAL CHECK

All documents submitted have the date, the name and address of the permit holder, and the application number on every page of the material.

The plan contains predominantly relevant information.

When signed by the applicant and approved by the Department of Natural Resources, this document and the associated maps, cross sections, and other attachments will be the approved reclamation plan for this permit that the permit holder must follow. Significant variations from the approved reclamation plan may require that a new plan be submitted to the Department for approval.

I hereby agree to comply with this plan.

Douglas E. Argo for SCPW Date 4/28/94

(Signature of applicant/permit holder)

I hereby verify that I have seen and approve this plan.

N/A Date ______________

______________________________ Date ______________

______________________________ Date ______________

(Signatures of all individuals with possessory interest)

FOR DEPARTMENTAL USE ONLY:

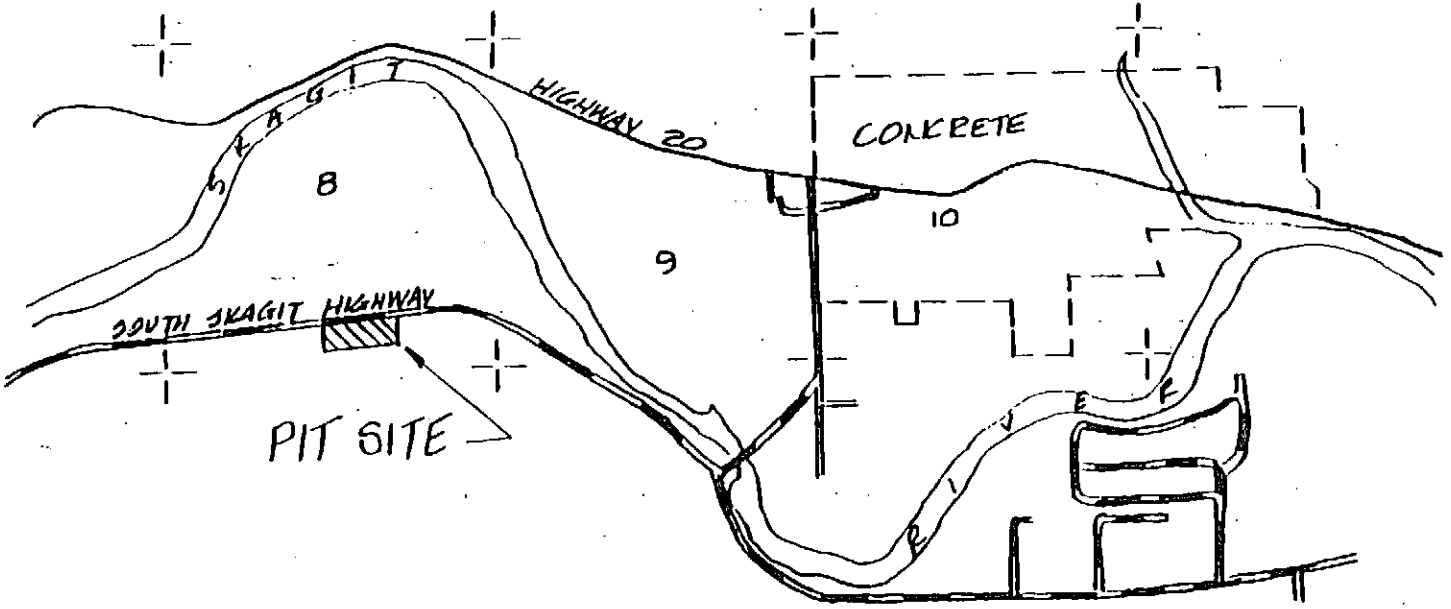
Approved by Joseph R. Blazek

Date approved 6/13/94

Comments by Region

Western segment (state land portion) has been deleted from permit area. Reclamation of state land was completed prior to this revision.

GSA 6-13-94



EAGLE HILL PIT

No Scale

SKagit Co. Public Works 700 S. Second St, Rm 203 Mt. Vernon, WA 98273	Site Access 4/25/94 Signature	1/1

EAGLE HILL PIT MINING/BACKFILLING/RECLAMATION PLAN

The County's operating procedure for this pit will be to hire a crushing contractor to produce and stockpile crushed rock once every two to three years. The contractor will excavate, stockpile and place waste spoils in the areas directed by the contract.

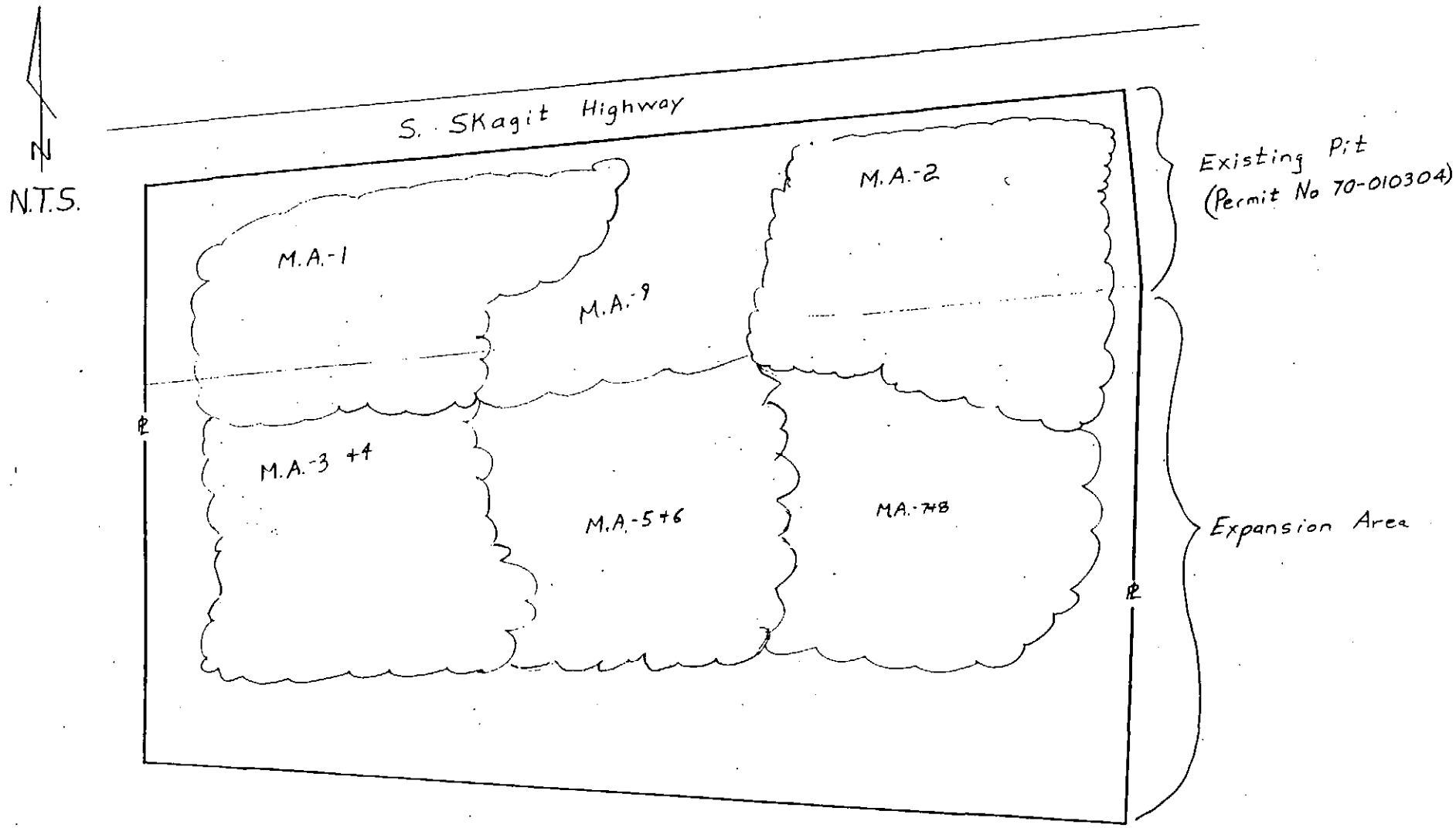
The mining will typically proceed as shown on the attached sketch. Slopes at the limit of the mining area will be excavated such that enough material is left in place to form a 1H:1V or flatter slope. This will be accomplished either by leaving a "reclamation set-back" at the top of the mined face and flattening to a stable grade after excavation is complete or by excavating to approximately a 1H:1V slope during mining.

The source material for the subsequent crushing contract will be located adjacent to the preceding source area. The topsoil will be stripped and stockpiled as close to the top of the preceding source area as practical. The waste spoils from the subsequent crushing contract (2-3 years later) will be stockpiled against the previously mined slope and shaped to meet the final contours of the reclamation plan. All reclamation backfill will be derived from existing on-site material. Topsoil will be spread over the slopes and vegetation will be planted.

Permit Number: 70-010304

Skagit County Public Works
700 S. Second St., Rm 203
Mt. Vernon, Washington 98273

Attention: Doug Argo



M.A. = Mining Area. M.A.s will be reclaimed as subsequent M.A. is mined.

Permit No: 70-010304 Signature:	Skagit Co Public Works 700 S. Second St, Rm 203 Mt. Vernon, WA 98273	EAGLE HILL PIT Mining Sequence	1/1

SKAGIT COUNTY PUBLIC WORKS DEPARTMENT

County Admin. Bldg., Room 203, 700 South Second St., Mount Vernon, WA 98273-3864 (206)336-9400 FAX (206)336-9478

June 10, 1994

Mr. Garth Anderson
Washington State DNR, NW Region
P.O. Box 68
919 North Township
Sedro Woolley, WA 98284

Regarding: SPU 94 002
Eagle Hill Gravel Pit Expansion

Dear Garth,

Enclosed is a copy of the Special Use permit for the expansion of the County's existing Eagle Hill Gravel pit. Please let me know if there is any additional information which I can provide to you regarding this site.

Sincerely,

Douglas E. Argo, P.E.
Civil Engineer/Special Operations

enclosure

WASHINGTON STATE DEPARTMENT OF
Natural Resources

COUNTY OR MUNICIPALITY APPROVAL FOR SURFACE MINING (Form SM-6)

NAME OF COMPANY OR INDIVIDUAL APPLICANT(S)
Same as name of reclamation permit holder. *(Type or print in ink.)*
SKagit County Public Works

TOTAL ACREAGE OF PERMIT AREA APPLIED FOR
(Include all acreage to be disturbed by mining, setbacks and buffers, and associated activities during the life of the mine.) 15.4 acres

MAILING ADDRESS
700 S. Second St, Rm 203
Mt. Vernon, WA 98273-3864
(Attn: Doug Argo)

Telephone 206-336-9400

COUNTY SKagit

No attachments will be accepted. Legal description of permit area:

1/4	1/4	Section	Township	Range
SW	SE	8	35N	8E

Proposed subsequent use of site upon completion of reclamation
Forestry

Signature of company representative or individual applicant(s)	Name and title of company representative *(please print)*	Date signed
Douglas E. Argo	Douglas E. Argo Civil Engineer - Special Operations	6/3/94

TO BE COMPLETED BY THE APPROPRIATE COUNTY OR MUNICIPALITY:

	Yes	No
1. Is the proposed subsequent use consistent with the local land-use designation?	X	
2. Does the applicant have an appropriate permit to conduct surface mining if required by local regulation? (Please attach a copy of the permit, written order, or ordinance.)	X	

COMMENTS

When complete, return this form to the appropriate Department of Natural Resources regional office.

Name of planning director or administrative official *(please print)*
JEFF MORGAN

Signature
Jeff Morgan

Title *(please print)*
Associate Planner

Telephone
(206) 336-9434

Date
6/3/94

Address
700 South Second
Room 204
County Administration Building
Mount Vernon, WA
98273

FOR DEPARTMENT USE ONLY:

DNR Reclamation Permit No.

Copy distribution: White = Olympia, Yellow = Region, Pink = Applicant, Goldenrod = County or Municipality

WASHINGTON STATE DEPARTMENT OF
Natural Resources

APPLICATION FOR SURFACE MINING RECLAMATION PERMIT (Form SM-2)

This application is for *(check one)*: ☐ new permit ☐ revision of existing permit ☐ transfer of permit.

NAME OF COMPANY OR INDIVIDUAL APPLICANT(S)
This will be the name on the permit. *(Type or print in ink.)*
Skagit County Public Works

MAILING ADDRESS
700 S. Second St, Rm 203
Mt. Vernon, WA 98273
(Attn: Doug Argo)
Telephone 206-336-9400

SURFACE OWNERSHIP
Give names, addresses, and signatures of all individuals with possessory interest in land. (Attach signed copies of this document if more than one.)
Skagit County Public Works
(purchase is in process)
I verify that the applicant has my permission to mine from my land.
Signature of owner: N/A Date:

OWNERSHIP OF RIGHTS TO REMOVE MINERALS BY SURFACE MINING Give names, addresses, and signatures of all individuals with rights. (Attach signed copies of this document if more than one.)
Skagit County Public Works
(purchase is in process)
I verify that the applicant has my permission to mine from this land.
Signature of owner: N/A Date:

Do you or any person, partnership, or corporation associated with you now hold, or have you held, a surface mining operating or reclamation permit? ☒ Yes ☐ No

If you answered yes to the above, please list:

Permit number	Active operation: Yes	Active operation: No	Reclamation current or complete: Yes	Reclamation current or complete: No
70-010303	X			X
70-011351	X		X	
70-010307	X		X	
70-010304	X		X	
70-010305		X		X

Are all of these mines now in compliance with RCW 78.44, WAC 332-18, and conditions of the permits? ☒ Yes ☐ No

TOTAL ACREAGE OF PERMIT AREA APPLIED FOR
(Include all acreage to be disturbed by mining, setbacks and buffers, and associated activities during the life of the mine.) 15.4 acres

COUNTY Skagit
No attachments will be accepted. Legal description of permit area:

1/4	1/4	Section	Township	Range
SW	SE	8	35N	8E

Application fee of $650.00 for a new reclamation permit is herewith attached? ☐ Yes ☒ No

Street address and milepost of surface mine
4150 S. Skagit Highway
MP 22.57

Distance (miles)	Direction from	Nearest community
2	SW	Concrete, WA

Method of mining: open pit
Maximum depth of mine: 65 feet

Expected start date of mining: 4/95
Estimated number of years: ~~30~~
Estimated annual production: ~~12,000~~ 20,000 ☐ tons, or ☒ cu yds

Minerals to be mined: Sand + gravel
Total quantity to be mined over life of mine (estimated): 600,000 ☐ tons, or ☒ cu yds

Have you ever had a surface mining operating or reclamation permit revoked? ☐ Yes ☒ No
Have you ever had a reclamation security forfeited? ☐ Yes ☒ No

If you answered yes to the above, give permit number(s): n/a

The applicant shall be considered as the permit holder for this surface mine and shall be responsible for compliance with RCW 78.44, WAC 332-18, the approved reclamation plan (Form SM-8A and attachments), and the conditions of the permit if issued by the Department of Natural Resources.

Signature of company representative or individual applicant(s)	Name and title of company representative *(please print)*	Date signed
Douglas E. Argo for Skagit Co. Public Works	Douglas E. Argo Civil Engineer/Special Operations Skagit Co. Public Works	4/28/94

FOR DEPARTMENT USE ONLY:

Date accepted	Accepted by	Reclamation Permit No.

SKAGIT COUNTY HEARING EXAMINER
STATE OF WASHINGTON

In the matter of:

Application No. SPU 94 002 of The Skagit County Department of Public Works To allow the expansion and continued operation of an existing surface mining operation including a rock crusher Location: Near Concrete	)	Findings of Fact Entry of Order No. SPU 94 002

I INTRODUCTION

This matter, having come regularly before the Skagit County Hearing Examiner for a Public Hearing under an application filed with the Skagit County Department of Planning and Community Development on behalf of The Skagit County Department of Public Works , 700 South Second, Room 203 County Administration Building, Mount Vernon, Washington 98273, requesting a Special Use Permit to allow the expansion and continued operation of an existing surface mining operation including a rock crusher ,to be located at 4150 South Skagit Highway, .

Said application being required by Section 14.04 of the Skagit County Code.

The subject property is more completely described as follows:

4150 SOUTH SKAGIT HIGHWAY

WITHIN A PORTION OF SECTION 8, TOWNSHIP 35 NORTH, RANGE 8 EAST W.M., SITUATE IN SKAGIT COUNTY, WASHINGTON.

ASSESSORS ACCOUNT NUMBER: 350808-4-004-0209
4-001-0103

And, notice having been given to all property owners within 300 feet of said property and all matters in the file having been considered together with the testimony, evidence, and exhibits in open hearing and made a part of the record in this matter; the Hearing Examiner makes the following findings of fact.

II. BACKGROUND AND HISTORY

1. The subject property is located on the south side of the South Skagit Highway. The existing pit is approximately 6.65 acres in area. The pit has approximately 1000 feet of frontage on the South Skagit Highway and is approximately 200 feet deep.

2. Approximately 2.06 acres of the existing pit has been reclaimed with the approval of the Washington State Department of Natural Resources .

3. Skagit County proposes an additional 10.77 acres adjacent to the existing pit of which 8.2 acres will be mined.

4. The operation will include excavation, crushing, and stockpiling gravel, hauling natural and crushed gravel to off-site locations, and stripping and grubbing to remove topsoil and stumps.

5. The portable rock crusher will operate intermittently, probably 1 to 2 months a year every 2 to 3 years. This activity will occur sometime between March 31 and November 1.

6. The Hearing Examiner issued a Special Use Permit (SP 89-001.ORD) for the existing operation on March 15, 1989.

III - FINDINGS OF FACT

1. May 18, 1994 was fixed as the date of the public hearing and the Hearing Examiner held a public hearing on that date.

2. The Hearing Examiner makes the findings of the Department of Planning and Community Development as presented in the attached Report and Findings of that Department, a part of the Record in this matter. The Hearing Examiner also adopts the Staff Findings One (1) through twelve (12). except as modified by the Testimony and Evidence received during the Public Hearing.

3. The subject property is zoned Forestry and is classified as Forestry on the Eastern District Comprehensive Plan Map.

4. The Skagit County Department of Planning and Community Development, acting as Lead Agency, reviewed the Environmental Checklist and issued a Mitigated Determination of Non-Significance (MDNS) on April 4, 1994 becoming effective on April 19, 1994 following a fifteen day comment period. The following condition was placed on the MDNS:

   A. The Applicant shall comply with the provisions of Section 14.04.180 of the Skagit County Code and the provisions of Chapter 173-60-040 of the Washington Administrative Code..

5. The property is served by an on-site water source.

6. The site will not be permanently manned. No on-site sewage treatment will be required. A self-contained holding tank will be placed on-site.

7. The property is not located in a Flood Hazard Zone or a Floodplain.

8. The proposed site is not located in an area under the jurisdiction of Skagit County Shoreline Management Master Program.

9. A number of Exhibits were entered into the record by the Skagit County Department of Planning and Community Development Staff and by others present at the Public Hearing.

10. From the above and the record of the hearing, the Hearing Examiner makes the following:

IV - CONCLUSIONS

1. The Hearing Examiner has jurisdiction in this matter in accordance with Section 14.04 of the Skagit County Code (SCC).

2. The Public Hearing was properly advertised in accordance with the public notice requirements of Section 14.04, SCC, and Section 36.70, Revised Code of Washington.

3. The Application was reviewed in accordance with the requirements of the State Environmental Policy Act and the Skagit County Ordinance implementing same. The County, acting as Lead Agency, properly reviewed the Environmental Checklist and issued a Mitigated Determination of Non-Significance (MDNS) on April 4, 1994 becoming effective on April 19, 1994 following a fifteen day comment period. The following condition was placed on the MDNS:

   A. The Applicant shall comply with the provisions of Section 14.04.180 of the Skagit County Code and the provisions of Chapter 173-60-040 of the Washington Administrative Code..

4. The subject property is not located in a Designated High Flood Hazard Area or a Floodplain.

5. All persons present at the Public Hearing were given an opportunity to present evidence and testimony, and all correspondence received was made part of the record.

6. The Hearing Examiner has reviewed this application with respect to the following criteria as required by Section 14.04:150(3)(d) of the Skagit County Code:

   A. Conformity to (or compatibility with) the Comprehensive Plan in respect to the compatibility with existing and future land use and circulation;

   The proposed project is in conformity with the Comprehensive plan with respect to the existing and future land use and circulation. (See Staff Finding No. 12A)

   B. The zoning of subject property and surrounding properties and the conformance of the application with the zoning ordinance.

   The extraction and processing of mineral resources is a Special Use in the Forestry Zone.

   C. Automobile or truck traffic and parking and its effect on surrounding community;

   The proposed expansion of this project will not cause any increase in the automobile or truck traffic or the parking required.

   D. Noise, odors, heat, vibration, air and water, pollution potential of the proposed use;

   The potential for noise, odors, heat, vibration, or air or water pollution as a result of the proposed project is minimal.

   E. Intrusion of privacy;

   The project appears to have a minimal chance of intrusion of privacy onto adjacent properties.

   F. Design of the site and structures as to possible effects on the neighborhood;

   The project will not cause additional impacts on the neighborhood.

G. In addition to possible effects on the neighborhood in which the use is to located, the potential effects on the region shall be considered.

The project will have a positive effect on the region by providing a continuing source of road material.

H. Potential effects regarding the general public health, safety, and general welfare.

The Hearing Examiner finds that there is little potential for a negative effect regarding the general public health, safety, and general welfare resulting from this project.

7. The Hearing Examiner finds that there is a need and justification for approving a continuing source of road construction and maintenance material in this area.

8. The Hearing Examiner makes the following findings of fact as required by Section 14.04.150 (3)(d) of the Skagit County Code:

a. The project as proposed in the application has been reviewed in accordance with the criteria for approval or denial listed above and has found the project to be compatible with those criteria.

b. The project, with conditions and/or modifications and/or restrictions would be compatible with the environment and would carry out the objectives of the comprehensive plan, the zoning ordinance, and other plans, codes, and ordinances of Skagit County.

9. Any Finding of Fact deemed to be a Conclusion of Law is hereby adopted as such. From the foregoing, the Examiner issues this:

V. DECISION

The Hearing Examiner APPROVES the application of The Skagit County Department of Public Works , 700 South Second, Room 203 County Administration Building, Mount Vernon, Washington 98273, requesting a Special Use Permit to allow the expansion and continued operation of an existing surface mining operation including a rock crusher, to be located at 4150 South Skagit Highway, subject to the following conditions:

1. Pursuant to Chapter 197-11-350 of the Washington Administrative Code, Chapter 43.21 of the Code of Washington (RCW), and Section 14.24.100(7) of the Skagit County Code, the following conditions shall be attached to the Permit:

A. The Applicant shall comply with the provisions of Section 14.04,180 of the Skagit County Code and the provisions of Chapter 173-60-040 of the Washington Administrative Code.

2. The following conditions applied to Special Use Permit No. SP-89-001.ORD shall continue to apply to the project except as modified in this permit:

A. The rock crusher operation shall comply with all requirements of the Northwest Air Pollution Authority.

B. The Applicant shall maintain a 50 foot wide buffer between the new pit area and the South Skagit Highway. The 25 foot wide buffer on the west and south property lines shall also

be maintained.

C. At such time as truck and/or trailer trips would exceed one per hour, "truck crossing" signs shall be posted approximately 500 feet east and west of the pit entrance.

D. Hours of rock crusher operation shall be limited to 7:00 a.m. to 6:00 p.m., Monday through Saturday.

This decision shall become final fourteen (14) days from the date of this decision unless appealed in accordance with Section 14.04.240 (16) of the Skagit County Code.

Robert C. Schofield
Skagit County Hearing Examiner

Date of Action: May 23, 1994

Copies transmitted to Applicant: 5/23/94

CC: Applicant, Applicant File, County Commissioners, Hearing Examiner, Prosecuting Attorney Distribution List

SKAGIT COUNTY PLANNING AND COMMUNITY DEVELOPMENT
FINDINGS OF FACT

HEARING DATE: MAY 18, 1994

HEARING AUTHORITY: SKAGIT COUNTY HEARING EXAMINER

APPLICATION NUMBER: SPU 94-002

APPLICANT: SKAGIT COUNTY PUBLIC WORKS
700 SOUTH SECOND
ROOM 203 COUNTY ADMINISTRATION BUILDING
MOUNT VERNON, WA 98273

PROJECT DESCRIPTION: Special Use Permit request SPU 94-002 to allow the expansion of an existing surface mining operation. The applicant maintains an existing crusher on site.

PROJECT LOCATION: The site is located at 4150 South Skagit Highway; within a portion of Section 8, Township 35 North, Range 8 East W.M., Skagit County, Washington.

ASSESSORS ACCOUNT NUMBER: 350808-4-004-0209; 4-001-0103

STAFF FINDINGS:

1. The subject property is zoned Forestry and the Eastern District Comprehensive Plan designates the area as Forestry.

2. The public hearing has been advertised in accordance with the requirements of Chapter 14.04 of the Skagit County Code.

3. The following documents are entered into the record as exhibits:

   A. Application received January 24, 1994.
   B. Environmental checklist
   C. Wetland reconnaissance prepared by Wetland Technology dated January 10, 1994.
   D. Memorandum - Public Works to Planning dated January 18, 1994 regarding groundwater and excavation levels.
   E. Eagle Hill Pit vicinity map.
   F. Survey prepared by Skagit Surveyors for Skagit County Public Works (Auditors file number 9308040037).
   G. Hypothetical Final Contours prepared by Skagit Surveyors.
   H. Original Ground Contours prepared by Skagit Surveyors.
   I. Staff photos (5) dated April 8, 1994.
   J. Mitigated Determination of Nonsignificance dated April 4, 1994.

   The following correspondence was received and is entered into the record as exhibits:

A. Northwest Air Pollution Authority received April 11 and 14, 1994.
B. Washington State Department of Ecology received on April 18, 1994.
C. Memorandum - Public Works to Planning dated March 11, 1994.
D. Memorandum - Health to Planning dated March 24, 1994.

4. The application has been reviewed in accordance with the State Environmental Policy Act guidelines (WAC 197-11 and RCW 43.21C). A Mitigated Determination of Non-significance was issued on April 4, 1994 becoming effective on April 19, 1994, following the fifteen day comment period. The following conditions were placed on the Threshold Determination:

   A. The applicant shall comply with the provisions of Section 14.04.180 of the Skagit County Code and the provisions of Chapter 173-60-040 of the Washington State Administrative Code.

5. The subject property is located out of any designated flood hazard areas.

6. The subject property is located on the south side of the South Skagit Highway. The existing pit has approximately 1,000 feet of frontage along South Skagit Highway and is approximately 200 feet deep. The existing gravel pit is approximately 6.65 acres in size (2.06 acres are leased from WDNR and 4.59 acres is owned by Skagit County).

   Approximately 2.06 acres has been reclaimed and approved by the Department of Natural Resources. The applicant is proposing to purchase an additional 10.77 acres adjacent to the south property line of the existing operation. The applicant intends to mine approximately 8.2 acres of the adjacent property. The pit operations will include: excavation, crushing, and stockpiling of gravel; hauling natural and crushed gravel off-site; stripping and grubbing to remove topsoil and stumps.

7. The applicant is requesting a Special Use Permit to expand the existing pit boundaries. The applicant obtained a Special Use Permit SP 89-001 to expand an existing pit approximately 4.56 acres by 2.06 acres. The existing pit material has been depleted and the expansion of the pit will provide a source of gravel for Skagit County road maintenance and construction projects.

   The portable rock crusher will be utilized intermittently for 1 to 2 months every 2 to 3 years. The rock crushing activities will occur between March 31 and November 1. The applicant has not indicated the length of time for the proposed expansion.

8. A Special Use Permit was approved on March 15, 1989 (Skagit County Hearing Examiner Written Order SP 89-001.ORD). The permit specifically addressed the 2.06 acres leased from WDNR and was identified as an expansion of existing operations. The permit contained the following conditions:

   A. The rock crusher operation shall comply with all requirements of the Northwest Air Pollution Authority.

   B. The applicant shall maintain a 50 foot wide buffer between the new pit area and the South Skagit Highway. The 25 foot wide buffer on the west and south property lines of the new pit area shall also be maintained.

   C. At such time as truck and/or trailer trips would exceed one per hour "truck crossing" signs shall be posted approximately 500 feet east and west of the pit entrance

   D. Hours of rock crusher operation shall be limited to 7:00 a.m. to 6:00 p.m., Monday through Saturday.

   E. This permit shall expire January 1, 1995.

9. The Washington State Department of Ecology has indicated that the facility should submit a Notice of Intent to be covered under the General Sand and Gravel Mining Permit for the discharge of stormwater

10. The Northwest Air Pollution Authority has indicated that general air pollution regulations will apply as the proposal does not specifically involve the crushing of minerals. NWAPA has also indicated that temporary rock crushing operations at the pit will be required to comply with specific air pollution regulations, but this determination will be made on a case-by-case basis with each operation individually.

10. The Skagit County Department of Public Works - Development Review has reviewed the proposal and has indicated the project's traffic and drainage impacts are minimal. The Department does not require any further information.

11. The Skagit County Permit Center - Health Unit has reviewed the proposal and has indicated that the following information will be required for placement of a self-contained holding tank:

   A. A management program with ongoing operation and maintenance.
   B. The management program specifies when the operation will terminate.
   C. The program be administered and pumped by a Skagit County Certified Pumper.
   D. Location of disposed effluent.

12. Section 14.04.150 Unclassified Special Uses of the Skagit

County Code indicates that certain items will be reviewed when approving or denying Special Use Permits. Those items are as follows:

A. Conformity to the Comprehensive Plan in respect to the compatibility with existing and future land use and circulation.

The subject property is designated on the Comprehensive Plan as Forestry and would be compatible with future land use and circulation.

B. The zoning of subject property and surrounding properties and the conformance of the application with the Zoning Ordinance.

Section 14.04.150 of the Skagit County Code specifically states that the extraction and processing of mineral resources in the Forestry Zone shall require a Special Use Permit.

The area north of South Skagit Highway is zoned Residential Reserve and designated as Rural Residential. As development in this area increases, the likliehood of complaints associated with truck traffic and noise will increase. However, the subject property has been used primarily for the extraction and processing of minerals prior to the adoption of the Skagit County Zoning Ordinance.

C. Automobile or truck traffic and parking and its effect on surrounding community.

The estimated truck traffic to the site is 0 to 75 trips per day based on material needs. The proposed expansion of the pit will not change the amount of truck traffic accessing the pit. The Department of Public Works has indicated that the existing gravel pit access meets minimum driveway sight distance requirements for passenger vehicles and single unit trucks. Minimum driveway sight distance is marginal for semitrailer combinations. The access provides the needed sight distance for the normal usage of the gravel pit according to AASHTO standards.

Skagit County Code Section 14.04.200 does not specifically define the minimum number of off-street parking spaces that are required for the type of project proposed. The subject property is approximately 14 acres in size and should allow adequate area to establish parking for employees and trucks.

D. Noise, odors, heat, vibration, air and water pollution potential of the proposed use.

NOISE:

The applicant has indicated that the proposed expansion will

eventually allow the existing pit floor to be lowered. The adjacent county roadway would then form a berm which may decrease the noise which escapes the site. The applicant has also indicated that excess sand that is produced during the crushing process will be placed adjacent to the road acting as a berm. The proposed berm will form a visual screen as well as a noise barrier. As the pit expands to the south the applicant has indicated that the crusher will be relocated further from the road. As soon as the northernmost portion of the pit is excavated to final grade, trees would be planted along the roadway to form a partial screen and aid in the reduction of noise.

The Health Department has reviewed the project and conducted a site visit. The Department has indicated that noise and groundwater contamination concerns have been addressed. The Department does not anticipate noise levels to exceed the maximum level of 60 dba specified by Chapter 173-60 WAC on residences presently in existence. Further, the Department has indicated that it is difficult to determine what noise impacts might be on future uses of the properties located immediately north and adjacent to the South Skagit Highway as it will depend on how and when these properties are utilized. Should noise exceedances occur as a result of changes in the use of neighboring properties, Skagit County will need to pursue additional methods of noise mitigation.

ODORS, HEAT, VIBRATION:

The odor, heat and vibration potential of the project is minimal.

AIR:

The applicant has not indicated how traffic dust will be controlled. Dust is typically controlled by the use of a water truck during the dry season. These measures should prevent potential air pollution.

WATER:

The applicant has indicated that there will be no permanent fuel and no permanent equipment storage on site. Refueling of equipment will be accomplished by a mobile fuel truck. Parking and refueling of equipment will occur away from the infiltration basin portion of the site. The applicant has further indicated that a 100 gallon petroleum spill containment kit will be on site whenever a mobile fuel truck is present.

The Health Department has indicated that the potential impacts to groundwater are minimal with the incorporation of the procedures outlined by the Department of Public Works Memorandum dated March 11, 1994.

The applicant has completed a wetland reconnaissance for the subject property. The reconnaissance indicates that no jurisdictional wetlands were found on the proposed 10 acre expansion site.

E. Intrusion of privacy.

There appears to be minimal potential for intrusion of privacy with the exception of the nuisance of the crusher during operation. As indicated above, the crusher does not appear to violate state noise statues, but, the noise from said crusher poses a higher nuisance level then is typical in a Rural or Forestry Zoned area.

As noted previously, the applicant has indicated that as soon as the northernmost portion of the pit is excavated to final grade, trees will be planted along the roadway to form a partial screen. The proposed placement of trees together with the placement of the proposed berm and stockpiled sand should reduce the aesthetic impacts typically associated with the proposed use.

The size of the site and the location of the structures should minimize the potential for intrusion of privacy onto adjacent properties.

F. Design of site and structures as to possible effects on the neighborhood.

H. In addition to possible effects on the neighborhood in which the use is to be located, the potential effects on the region shall be considered.

The design of the site and structures should have a minimal effect on the neighborhood and the region.

I. Potential effects regarding the general public health, safety, and general welfare.

The effects to the general public health, safety, and welfare are minimal as a result of the proposed project.

RECOMMENDATION:

Based on the above findings the Department of Planning and Community Development would recommend approval of the requested Special Use Permit subject to the following conditions:

1. Pursuant to WAC 197-11-350 (7), RCW 43.21, and Skagit County Code 14.24.100(7); the following conditions shall be attached to the permit application:

   A. The applicant shall comply with the provisions of Section 14.04.180 of the Skagit County Code and the provisions of

Chapter 173-60-040 of the Washington State Administrative Code.

2. The following conditions applied to Special Use Permit SP 89-001.ORD shall continue to apply to the project except as modified in this permit:

   A. The rock crusher operation shall comply with all requirements of the Northwest Air Pollution Authority.

   B. The applicant shall maintain a 50 foot wide buffer between the new pit area and the South Skagit Highway. The 25 foot wide buffer on the west and south property lines of the new pit area shall also be maintained.

   C. At such time as truck and/or trailer trips would exceed one per hour "truck crossing"signs shall be posted approximately 500 feet east and west of the pit entrance

   D. Hours of rock crusher shall be limited to 7:00 a.m. to 6:00 p.m., Monday through Saturday.

Prepared by: JNM

Reviewed by: OFY

EAGLE HILL PIT MINING/BACKFILLING/RECLAMATION PLAN

The County's operating procedure for this pit will be to hire a crushing contractor to produce and stockpile crushed rock once every two to three years. The contractor will excavate, stockpile and place waste spoils in the areas directed by the contract.

The mining will typically proceed as shown on the attached sketch. Slopes at the limit of the mining area will be excavated such that enough material is left in place to form a 1H:1V or flatter slope. This will be accomplished either by leaving a "reclamation set-back" at the top of the mined face and flattening to a stable grade after excavation is complete or by excavating to approximately a 1H:1V slope during mining.

The source material for the subsequent crushing contract will be located adjacent to the preceding source area. The topsoil will be stripped and stockpiled as close to the top of the preceding source area as practical. The waste spoils from the subsequent crushing contract (2-3 years later) will be stockpiled against the previously mined slope and shaped to meet the final contours of the reclamation plan. All reclamation backfill will be derived from existing on-site material. Topsoil will be spread over the slopes and vegetation will be planted.

Permit Number:

Skagit County Public Works
700 S. Second St., Rm 203
Mt. Vernon, Washington 98273

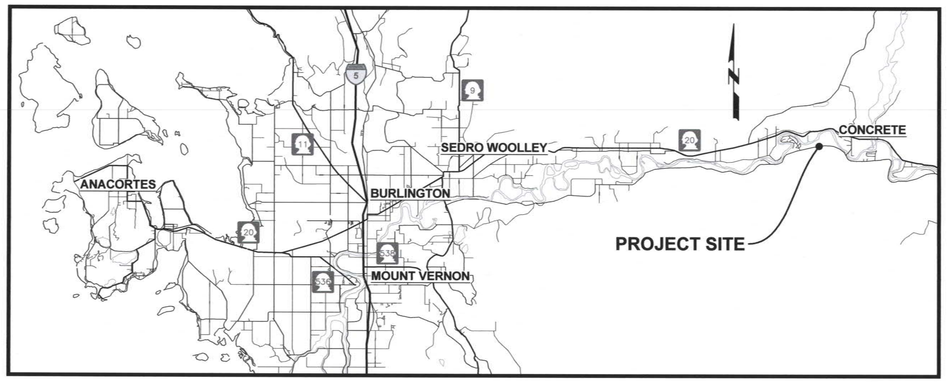
Attention: Doug Argo

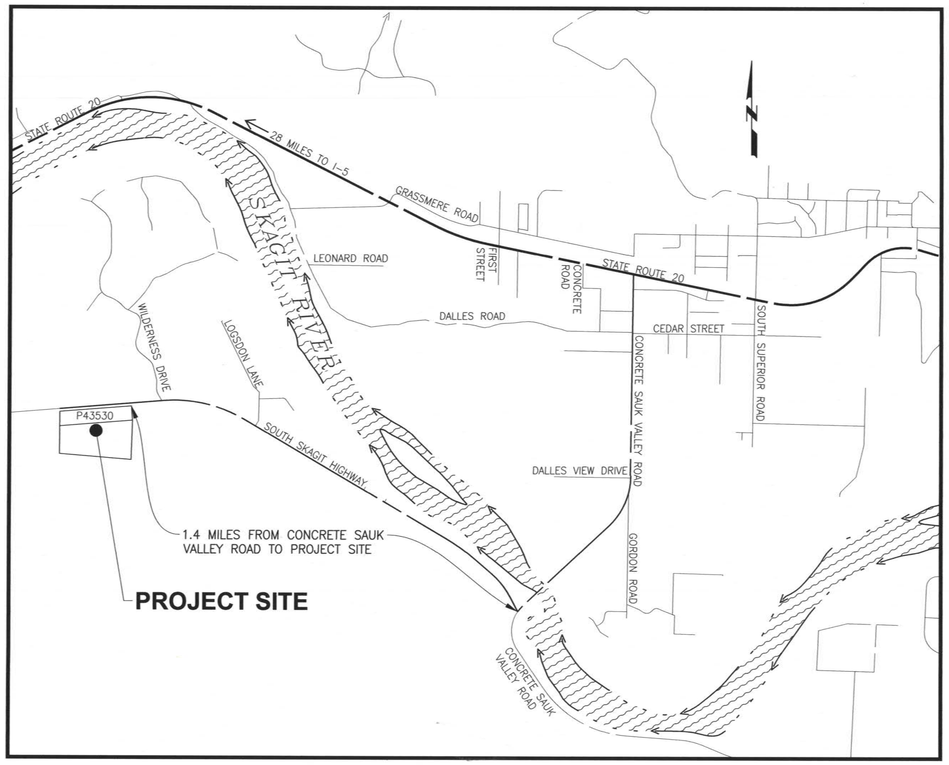
APPENDIX E

Vicinity Map and Plans

EAGLE PIT CRUSHING CONTRACT

RF20-EAG-D





VICINITY MAP NTS

SUMMARY OF QUANTITIES				
Item No.	Spec.	Qty.	Unit	Item Description
1	1-09.7	1	LS	Mobilization
2	1-07.15(1)	1	LS	SPCC Plan
3	1-09.6 SP	EST	DOL	Unanticipated Site Work
4	3-01.6 SP	18,500.00	TON	BST Chips
5	3-01.6 SP	28,000.00	TON	Crushed Surfacing Base Course

THE CONTRACTOR SHALL INCLUDE FOR COMPENSATION THE AMOUNT OF ANY TAXES PAID IN THE VARIOUS UNIT BID PRICES IN ACCORDANCE WITH SECTION 1-07.2(1)

SKAGIT COUNTY Serving With Pride WASHINGTON

SKAGIT COUNTY OFFICIALS

BOARD OF COMMISSIONERS
- KENNETH A. DAHLSTEDT, CHAIR
- LISA JANICKI, COMMISSIONER
- RON WESEN, COMMISSIONER

PUBLIC WORKS
- DAN BERENTSON, DIRECTOR

Paul A. Randall-Grutter 2.18.15

PAUL A. RANDALL–GRUTTER, P.E., COUNTY ENGINEER DATE

PLAN SHEET INDEX

SHEET	TTLE
1	COVER
2	PLAN

CALL TWO (2) BUSINESS DAYS BEFORE YOU DIG

1–800–424–5555

DATUM

ASSUMED

SKAGIT COUNTY PUBLIC WORKS
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273-5625
(360) 336-9400 FAX (360) 336 9478

NO.	REVISIONS	DATE

DESIGN ENGINEER

ENGINEER OF RECORD

PROJECT NO.: RF20-EAG-D
FED. AID NO.:
DESIGNED BY: JAL
DRAWN BY: JAL
CHECKED BY: DAP
APPROVED BY: PAG

PROJECT LOCATED NEAR:
CONCRETE, WA
SEC 08, T 35 N, R 08 E, W.M.

EAGLE PIT CRUSHING CONTRACT

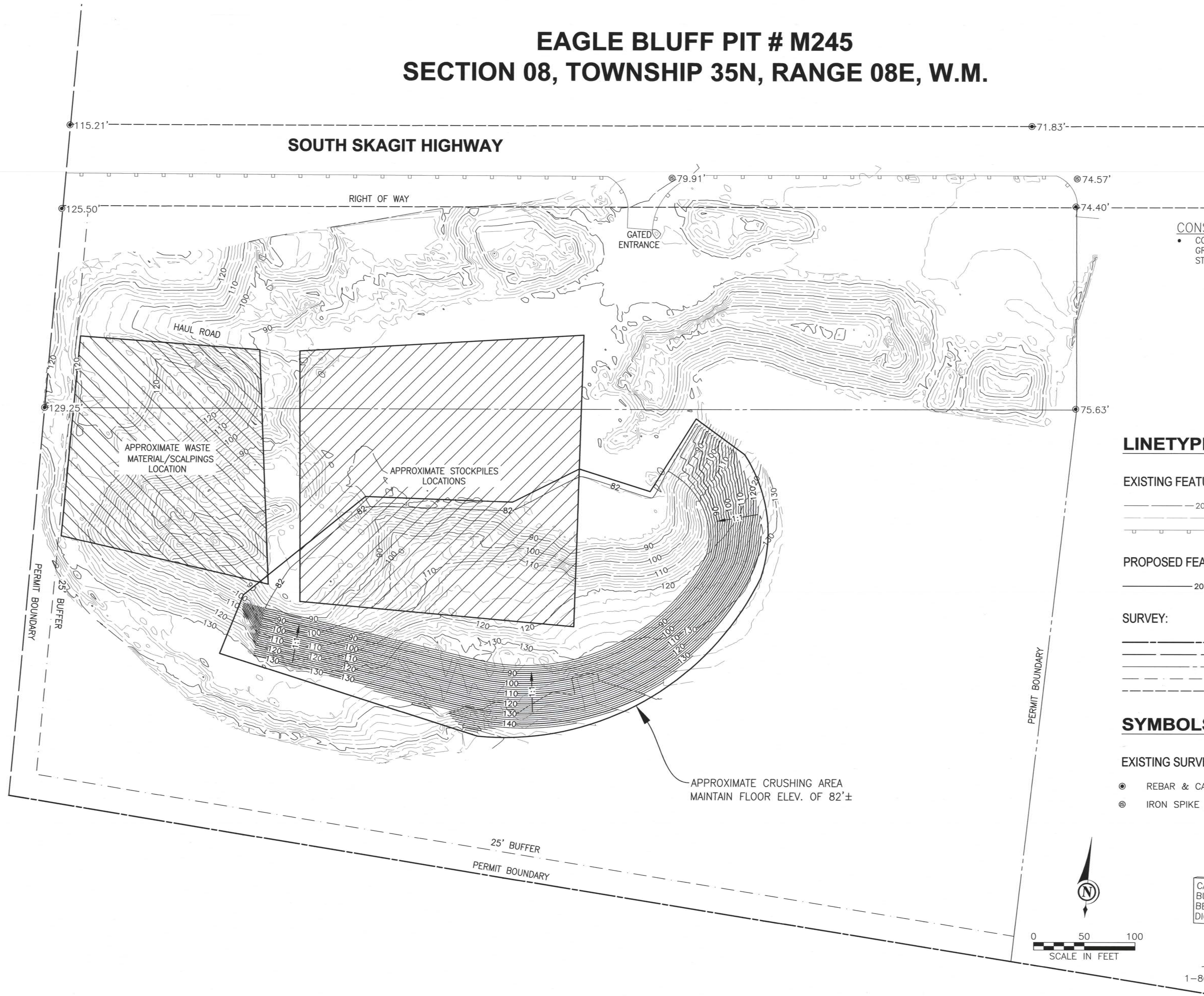
COVER

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
1 OF **2**

JEFFL - February 12, 2015 - 9:33 AM - \\ADMINTMV2\PWCAD\EDS\EAGLE PIT CRUSHING CONTTRACT RF20-EAG-D\DESIGN_CAD\CONSTR\CV01_RF20-EAG-D.DWG

EAGLE BLUFF PIT # M245
SECTION 08, TOWNSHIP 35N, RANGE 08E, W.M.



CONSTRUCTION NOTES:

- CONTRACTOR SHALL LEVEL, CLEAR AND GRUB STOCKPILE AREA PRIOR TO STOCKPILING MATERIALS.

LINETYPES:

EXISTING FEATURES:

- MAJOR CONTOUR
- MINOR CONTOUR
- GUARDRAIL

PROPOSED FEATURES

- CONTOUR

SURVEY:

- SECTION LINE
- QUARTER SECTION LINE
- PARCEL LINE
- SETBACK LINE
- RIGHT-OF-WAY LINE

SYMBOLS:

EXISTING SURVEY:

- REBAR & CAP
- IRON SPIKE

CALL TWO (2) BUSINESS DAYS BEFORE YOU DIG

1-800-424-5555

DATUM

ASSUMED

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NO.	REVISIONS	DATE

DESIGN ENGINEER

ENGINEER OF RECORD

PROJECT NO.: RF20-EAG-D
FED. AID NO.:
DESIGNED BY: JAL
DRAWN BY: JAL
CHECKED BY:
APPROVED BY:

PROJECT LOCATED NEAR:
CONCRETE, WA
SEC 08, T 35 N, R 08 E, W.M.

EAGLE PIT CRUSHING CONTRACT

PLAN

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
2 OF 2

JEFFL - February 13, 2015 - 2:11 PM - \\ADMNTMV2\PWCAD\EDS\EAGLE PIT CRUSHING CONTTRACT RF20-EAG-D\DESIGN_CAD\BASE\BASE_TP_RF20-EAG-D.DWG