

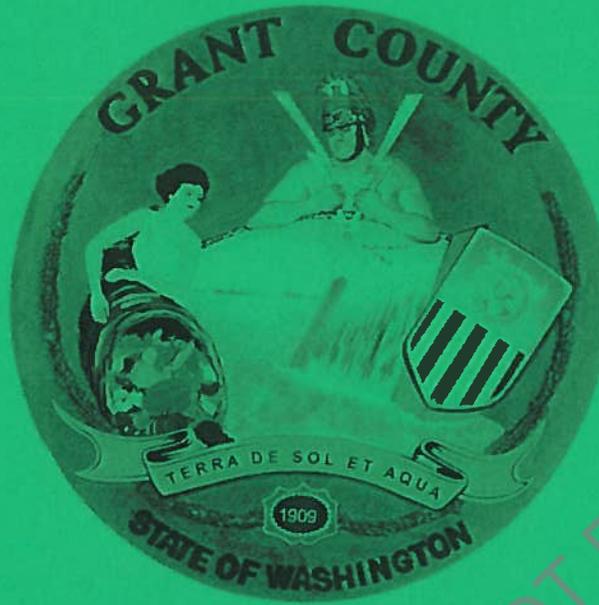
# GRANT COUNTY PUBLIC WORKS DEPARTMENT

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## CONTRACT PROVISIONS and PLANS

**For Construction of:  
MARTIN ROAD RECONSTRUCTION PROJECT  
CRP 13-17**

Sealed Bids will be Opened on  
**May 19, 2015**  
at  
**1:30 P.M.**  
at the Office of the  
Board of County Commissioners  
Grant County Courthouse  
P.O. Box 37  
35 C Street NW, Room 207  
Ephrata, Washington 98823

## **NOTICE TO CONTRACTORS**

Sealed bids, plainly marked "**BID FOR MARTIN ROAD RECONSTRUCTION PROJECT, CRP 13-17**", will be received by Grant County at the Office of the Board of County Commissioners located in the County Courthouse, P.O. Box 37, 35 C Street NW – Room 207, Ephrata, WA, 98823, until **1:30 P.M., Tuesday, May 19, 2015** and will then and there be opened and publicly read for the construction of the improvements.

All bid proposals shall be accompanied by a bid proposal deposit in cash, certified check, cashier's check, or surety bond in an amount equal to five percent (5%) of the amount of such bid proposal. No conditional bid bond will be accepted. Should the successful bidder fail to enter into such contract and furnish a satisfactory performance bond within the time stated in the specifications, the bid proposal deposit shall be forfeited to Grant County.

Maps, plans and specifications may be purchased from the office of the County Engineer, 124 Enterprise St. S.E., Ephrata, WA 98823, upon payment of the amount of \$25.00 (non-refundable).

Informational copies of the maps, plans and specifications are on file for inspection at the Grant County Public Works Building, 124 Enterprise St. S.E., Ephrata, WA 98823, and in various plan centers located in Washington.

The Board of County Commissioners of Grant County, Washington, reserves the right to reject any and all bids. The award of this contract, if made, will be to the lowest responsible bidder.

The improvement for which bids will be received follows:

### **MARTIN ROAD RECONSTRUCTION PROJECT – CRP 13-17**

This contract provides for the reconstruction of 5.14 miles of two lane county road in Grant County, WA, and includes roadway excavation, embankment compaction, drainage items, crushed surfacing base course, maintenance rock, bridge, hot mix asphalt, paint striping, permanent signing, seeding and fertilizing, and other work in accordance with the attached Contract Plans, these Contract Provisions and the Standard Specifications.

# GRANT COUNTY PUBLIC WORKS

## CRP 13-17

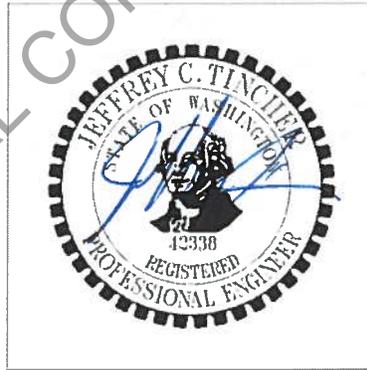
### MARTIN ROAD RECONSTRUCTION PROJECT

#### NOTICE TO ALL PLANHOLDERS

Grant County Department of Public Works may be contacted to answer questions regarding these bid documents and to show this project to prospective bidders at:  
Grant County Department of Public Works

124 Enterprise St. S.E.  
Ephrata, WA. 98823  
Phone: (509)754-6082 Fax (509)754-6082

As the Engineer in direct responsible charge of developing these contract provisions, I certify these provisions have been developed or incorporated into this project under my direct supervision, or as a result of certified recommendations provided by other licensed professionals.



Jeffrey C. Tincher P.E.  
County Road Engineer

5/4/2015

Date

## BIDDER'S CHECK LIST

The bidder's attention is especially called to the following forms which must be executed in full as required:

- (A) PROPOSAL  
The unit prices bid must be shown in the spaces provided. Show unit prices in figures only. All extensions of the unit prices must be shown in the spaces provided.
- (B) PROPOSAL SIGNATURE SHEET  
To be filled in and signed by the bidder.
- (C) STATEMENT OF CONTRACTOR QUALIFICATIONS  
To be filled in and signed by the bidder.
- (D) BID BOND  
This form is to be executed by the bidder and his surety company unless the bid is accompanied by cash, certified or cashier's check. The amount of this bond shall be equal to 5% of the total amount bid and may be shown in dollars or on a percentage basis.

The following forms are to be executed after the contract is awarded:

- (E) CONTRACT  
This agreement is to be executed by the successful bidder, his surety company, and Grant County.
- (F) CONTRACT BOND  
To be executed by the successful bidder and his surety company.

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1 **INTRODUCTION**

2 The following Amendments and Special Provisions shall be used in conjunction with the 2014  
3 Standard Specifications for Road, Bridge, and Municipal Construction.  
4

5 **AMENDMENTS TO THE STANDARD SPECIFICATIONS**

6  
7 The following Amendments to the Standard Specifications are made a part of this contract and  
8 supersede any conflicting provisions of the Standard Specifications. For informational  
9 purposes, the date following each Amendment title indicates the implementation date of the  
10 Amendment or the latest date of revision.

11  
12 Each Amendment contains all current revisions to the applicable section of the Standard  
13 Specifications and may include references which do not apply to this particular project.  
14

15 **Section 1-01, Definitions and Terms**  
16 **August 4, 2014**

17 **1-01.3 Definitions**

18 The definition for “**Engineer**” is revised to read:

19  
20 The Contracting Agency’s representative who directly supervises the engineering and  
21 administration of a construction Contract.  
22

23 The definition for “**Inspector**” is revised to read:

24  
25 The Engineer’s representative who inspects Contract performance in detail.  
26

27 The definition for “**Project Engineer**” is revised to read:

28  
29 Same as Engineer.  
30

31 The definition for “**Working Drawings**” is revised to read:

32  
33 Drawings, plans, diagrams, or any other supplementary data or calculations, including a  
34 schedule of submittal dates for Working Drawings where specified, which the Contractor  
35 must submit to the Engineer.  
36

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

39 **1-02.8(1) Noncollusion Declaration**

40 The third paragraph is revised to read:

41  
42 Therefore, by including the Non-collusion Declaration as part of the signed bid Proposal,  
43 the Bidder is deemed to have certified and agreed to the requirements of the Declaration.  
44

1 **Section 1-03, Award and Execution of Contract**  
2 **January 5, 2015**

3 **1-03.3 Execution of Contract**

4 The first paragraph is revised to read:

5  
6 Within 20 calendar days after the Award date, the successful Bidder shall return the signed  
7 Contracting Agency-prepared Contract, an insurance certification as required by Section 1-  
8 07.18, and a satisfactory bond as required by law and Section 1-03.4, and shall be  
9 registered as a contractor in the state of Washington.

10  
11 **1-03.4 Contract Bond**

12 The last word of item 3 is deleted.

13  
14 Item 4 is renumbered to 5.

15  
16 The following is inserted after item 3 (after the preceding Amendments are applied):

- 17  
18 4. Be conditioned upon the payment of taxes, increases, and penalties incurred on the  
19 project under titles 50, 51, and 82 RCW; and  
20

21 **1-03.5 Failure to Execute Contract**

22 The first sentence is revised to read:

23  
24 Failure to return the insurance certification and bond with the signed Contract as required in  
25 Section 1-03.3, or failure to provide Disadvantaged, Minority or Women's Business  
26 Enterprise information if required in the Contract, or failure or refusal to sign the Contract,  
27 or failure to register as a contractor in the state of Washington shall result in forfeiture of the  
28 proposal bond or deposit of this Bidder.  
29

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

32 **1-04.4 Changes**

33 In the third paragraph, item number 1 and 2 are revised to read:

- 34  
35 A. When the character of the Work as altered differs materially in kind or nature from that  
36 involved or included in the original proposed construction; or  
37  
38 B. When an item of Work, as defined elsewhere in the Contract, is increased in excess of  
39 125 percent or decreased below 75 percent of the original Contract quantity. For the  
40 purpose of this Section, an item of Work will be defined as any item that qualifies for  
41 adjustment under the provisions of Section 1-04.6.  
42

43 The last two paragraphs are deleted.

44  
45 This section is supplemented with the following new subsections:  
46

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

3 **1-04.4(2)A General**

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

10 The Contractor may submit a VECP for changing the Plans, Specifications, or other  
11 requirements of the Contract. The Engineer's decision to accept or reject all or part of  
12 the proposal is final and not subject to arbitration under the arbitration clause or  
13 otherwise subject to litigation.  
14

15 The VECP shall meet all of the following:  
16

- 17 1. Not adversely affect the long term life cycle costs.
- 18 2. Not adversely impact the ability to perform maintenance.
- 19 3. Provide the required safety and appearance.
- 20 4. Provide substitution for deleted or reduced Disadvantaged Business  
21 Enterprise Condition of Award Work, Apprentice Utilization and Training.

22 VECPs that provide a time reduction shall meet the following requirements:  
23

- 24 1. Time saving is a direct result of the VECP.
- 25 2. Liquidated damages penalties are not used to calculate savings.
- 26 3. Administrative/overhead cost savings experienced by either the Contractor or  
27 Contracting Agency as a result of time reduction accrue to each party and are  
28 not used to calculate savings.

29 **1-04.4(2)B VECP Savings**  
30

31 **1-04.4(2)B1 Proposal Savings**

32 The incentive payment to the Contractor shall be one-half of the net savings of the  
33 proposal calculated as follows:  
34

- 35 1.  $(\text{gross cost of deleted work}) - (\text{gross cost of added work}) = (\text{gross savings})$
- 36 2.  $(\text{gross savings}) - (\text{Contractor's engineering costs}) - (\text{Contracting Agency's costs}) = (\text{net savings})$
- 37 3.  $(\text{net savings}) / 2 = (\text{incentive pay})$

38 The Contracting Agency's costs shall be the actual consultant costs billed to the  
39 Contracting Agency and in-house costs. Costs for personnel assigned to the  
40 Engineer's office shall not be included.  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54

1 **1-04.4(2)B2 Added Costs to Achieve Time Savings**

2 The cost to achieve the time savings shall be calculated as follows:

- 3
- 4 1. (cost of added work) + (Contractor's engineering costs - Contracting Agency's engineering costs) = (cost to achieve time savings)
  - 5
  - 6
  - 7 2. (cost to achieve time savings) / 2 = (Contracting Agency's share of added cost)
  - 8
  - 9

10 If the timesaving proposal also involves deleting work and, as a result, creates a savings for the Contracting Agency, then the Contractor shall also receive one-half of the savings realized through the deletion.

11 **1-04.4(2)C VECP Approval**

12 **1-04.4(2)C1 Concept Approval**

13 The Contractor shall submit a written proposal to the Engineer for consideration.  
14 The proposal shall contain the following information:

- 15 1. An explanation outlining the benefit provided by the change(s).
- 16
- 17 2. A narrative description of the proposed change(s). If applicable, the discussion shall include a demonstration of functional equivalency or a description of how the proposal meets the original contract scope of work.
- 18
- 19
- 20 3. A cost discussion estimating any net savings. Savings estimates will generally follow the outline below under the section, "Proposal Savings".
- 21
- 22
- 23 4. A statement providing the Contracting Agency with the right to use all or any part of the proposal on future projects without future obligation or compensation.
- 24
- 25
- 26 5. A statement acknowledging and agreeing that the Engineer's decision to accept or reject all or part of the proposal is final and not subject to arbitration under the arbitration clause or otherwise be subject to claims or disputes.
- 27
- 28
- 29 6. A statement giving the dates the Engineer must make a decision to accept or reject the conceptual proposal, the date that approval to proceed must be received, and the date the work must begin in order to not delay the contract. If the Contracting Agency does not approve the VECP by the date specified by the Contractor in their proposal the VECP will be deemed rejected.
- 30
- 31
- 32 7. The submittal will include an analysis on other Work that may have costs that changed as a result of the VECP. Traffic control and erosion control shall both be included in addition to any other impacted Work.
- 33
- 34
- 35
- 36
- 37
- 38
- 39
- 40
- 41
- 42
- 43
- 44
- 45
- 46
- 47
- 48

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

1 **1-04.4(2)C2 Formal Approval**

2 The Contractor's submittal to the Engineer for formal approval shall include the  
3 following:

- 4
- 5 1. Deleted Work – Include the calculated quantities of unit price Work to be  
6 deleted. Include the proposed partial prices for portions of lump sum  
7 Work deleted. For deletion of force account items include the time and  
8 material estimates.
  - 9
  - 10 2. Added Work – Include the calculated quantities of unit price Work to be  
11 added, either by original unit Contract prices or by new, negotiated unit  
12 prices. For new items of Work include the quantities and proposed prices.
  - 13
  - 14 3. Contractor's Engineering Costs – Submit the labor costs for the  
15 engineering to develop the proposal; costs for Contractor employees  
16 utilized in contract operations on a regular basis shall not be included.
  - 17
  - 18 4. Schedule Analysis – If the VECP is related to time savings, the Contractor  
19 shall submit a partial progress schedule showing the changed Work. The  
20 submittal shall also include a discussion comparing the partial progress  
21 schedule with the approved progress schedule for the project.
  - 22
  - 23 5. Working Drawings – Type 3 Working Drawings shall be submitted; those  
24 drawings which require engineering shall be a Type 3E.

25  
26 Formal approval of the proposal will be documented by issuance of a change  
27 order. The VECP change order will contain the following statements which the  
28 Contractor agrees to by signing the change order:

- 29
- 30 1. The Contractor accepts design risk of all features, both temporary and  
31 permanent, of the changed Work.
  - 32
  - 33 2. The Contractor accepts risk of constructability of the changed Work.
  - 34
  - 35 3. The Contractor provides the Contracting Agency with the right to use all or  
36 any part of the proposal on future projects without further obligation or  
37 compensation.
  - 38

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

- 41
- 42 1. Deleted Work.
  - 43
  - 44 2. Added Work.
  - 45
  - 46 3. The Contractor's engineering costs, reimbursed at 100 percent of the  
47 Contractor's cost.
  - 48
  - 49 4. Incentive payment to the Contractor.

50  
51 When added Work costs exceed Deleted Work costs, but time savings make a  
52 viable proposal, then items 3 and 4 above are replaced with the following:

- 53
- 54 3. The Contracting Agency's share of added cost to achieve time savings.

1  
2 4. The Contractor's share of savings from deleted Work.  
3

4 **1-04.4(2)C3 Authority to Proceed with Changed Work**

5 The authority for the Contractor to proceed with the VECP Work will be provided  
6 by one of the following options:  
7

- 8 1. Execution of the VECP change order, or  
9  
10 2. At the Contractor's request the Contracting Agency may provide approval  
11 by letter from the Engineer for the Work to proceed prior to execution of a  
12 change order. All of the risk for proceeding with the VECP shall be the  
13 responsibility of the Contractor. Additionally, the following criteria are  
14 required to have been met:  
15  
16 a) Concept approval has been granted by the Contracting Agency.  
17  
18 b) All design reviews and approvals have been completed, including  
19 plans and specifications.  
20  
21 c) The Contractor has guaranteed, in writing, the minimum savings to  
22 the Contracting Agency.  
23

24 **Section 1-05, Control of Work**  
25 **August 4, 2014**

26 **1-05.1 Authority of the Engineer**

27 In this section, "Project Engineer" is revised to read "Engineer".  
28

29 The second paragraph (up until the color) is revised to read:  
30

31 The Engineer's decisions will be final on all questions including the following:  
32

33 The first sentence in the third paragraph is revised to read:  
34

35 The Engineer represents the Contracting Agency with full authority to enforce Contract  
36 requirements.  
37

38 **1-05.2 Authority of Assistants and Inspectors**

39 The first paragraph is revised to read:  
40

41 The Engineer may appoint assistants and Inspectors to assist in determining that the Work  
42 and materials meet the Contract requirements. Assistants and Inspectors have the authority  
43 to reject defective material and suspend Work that is being done improperly, subject to the  
44 final decisions of the Engineer.  
45

46 In the third paragraph, "Project Engineer" is revised to read "Engineer".  
47

48 **1-05.3 Plans and Working Drawings**

49 This section's title is revised to read:  
50

## 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.

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

5  
6 Unit Bid prices shall cover all costs of Working Drawings.  
7

8 **Section 1-07, Legal Relations and Responsibilities to the Public**  
9 **January 5, 2015**

10 **1-07.2 State Taxes**

11 This section is revised to read:

12  
13 The Washington State Department of Revenue has issued special rules on the state sales  
14 tax. Sections 1-07.2(1) through 1-07.2(3) are meant to clarify those rules. The Contracting  
15 Agency will not adjust its payment if the Contractor bases a Bid on a misunderstood tax  
16 liability.

17  
18 The Contracting Agency may deduct from its payments to the Contractor, retainage or lien  
19 the bond, in the amount the Contractor owes the State Department of Revenue, whether  
20 the amount owed relates to the Contract in question or not. Any amount so deducted will be  
21 paid into the proper State fund on the contractor's behalf. For additional information on tax  
22 rates and application refer to applicable RCWs, WACs or the Department of Revenue's  
23 website.  
24

25 **1-07.2(1) State Sales Tax: Work Performed on City, County, or Federally-Owned**  
26 **Land**

27 This section including title is revised to read:

28  
29 **1-07.2(1) State Sales Tax: WAC 458-20-171 – Use Tax**

30 For Work designated as Rule 171 **Use Tax**, the Contractor shall include for compensation  
31 the amount of any taxes paid in the various unit Bid prices or other Contract amounts.  
32 Typically, these taxes are collected on materials incorporated into the project and items  
33 such as the purchase or rental of; tools, machinery, equipment, or consumable supplies not  
34 integrated into the project.  
35

36 The Summary of Quantities in the Contract Plans identifies those parts of the project that  
37 are subject to **Use Tax** under Section 1-07.2(1).  
38

39 **1-07.2(2) State Sales Tax: Work on State-Owned or Private Land**

40 This section including title is revised to read:

41  
42 **1-07.2(2) State Sales Tax: WAC 458-20-170 – Retail Sales Tax**

43 For Work designated as Rule 170, **Retail Sales Tax**, the Contractor shall collect from the  
44 Contracting Agency, **Retail Sales Tax** on the full Contract price. The Contracting Agency  
45 will automatically add this **Retail Sales Tax** to each payment to the Contractor and for this  
46 reason; the Contractor shall not include the **Retail Sales Tax** in the unit Bid prices or in any  
47 other Contract amount. However, the Contracting Agency will not provide additional  
48 compensation to the Prime Contractor or Subcontractor for **Retail Sales Taxes** paid by the  
49 Contractor in addition to the **Retail Sales Tax** on the total contract amount. Typically, these  
50 taxes are collected on items such as the purchase or rental of; tools, machinery, equipment,  
51

1 or consumable supplies not integrated into the project. Such sales taxes shall be included  
2 in the unit Bid prices or in any other Contract amounts.

3  
4 The Summary of Quantities in the Contract Plans identifies those parts of the project that  
5 are subject to **Retail Sales Tax** under Section 1-07.2(2).

### 7 **1-07.2(3) Services**

8 This section is revised to read:

9  
10 Any contract wholly for professional or other applicable services is generally not subject to  
11 **Retail Sales Tax** and therefore the Contractor shall not collect **Retail Sales Tax** from the  
12 Contracting Agency on those Contracts. Any incidental taxes paid as part of providing the  
13 services shall be included in the payments under the contract.

### 15 **1-07.23(1) Construction Under Traffic**

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

17  
18 Accessibility to existing or temporary pedestrian push buttons shall not be impaired.

## 20 **Section 1-08, Prosecution and Progress** 21 **May 5, 2014**

### 22 **1-08.1 Subcontracting**

23 The eighth paragraph is revised to read:

24  
25 On all projects, the Contractor shall certify to the actual amounts paid to Disadvantaged,  
26 Minority, Women's, or Small Business Enterprise firms that were used as Subcontractors,  
27 lower tier subcontractors, manufacturers, regular dealers, or service providers on the  
28 Contract. This Certification shall be submitted to the Project Engineer on a monthly basis  
29 each month between Execution of the Contract and Physical Completion of the contract  
30 using the application available at:  
31 <https://remoteapps.wsdot.wa.gov/mapsdata/tools/dbeparticipation>. The monthly report is  
32 due 20 calendar days following the end of the month. A monthly report shall be submitted  
33 for every month between Execution of the Contract and Physical Completion regardless of  
34 whether payments were made or work occurred.

35  
36 The ninth paragraph is deleted.

## 38 **Section 1-09, Measurement and Payment** 39 **January 5, 2015**

### 40 **1-09.6 Force Account**

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

42  
43 In the event that prior quotations are not obtained and the vendor is not a firm independent  
44 from the Contractor or Subcontractor, then after-the-fact quotations may be obtained by the  
45 Engineer from the open market in the vicinity and the lowest such quotation may be used in  
46 place of submitted invoice.

1 **1-10.AP1**

2 **Section 1-10, Temporary Traffic Control**  
3 **August 4, 2014**

4 **1-10.1(1) Materials**

5 The following material reference is deleted from this section:

6  
7 Barrier Drums 9-35.8

8  
9 **1-10.1(2) Description**

10 The first paragraph is revised to read:

11  
12 The Contractor shall provide flaggers, and all other personnel required for labor for traffic  
13 control activities and not otherwise specified as being furnished by the Contracting Agency.

14  
15 **1-10.2(1) General**

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

17  
18 The primary and alternate TCS shall be certified by one of the organizations listed in the  
19 Special Provisions. Possession of a current Washington State TCS card and flagging card  
20 by the primary and alternate TCS is mandatory.

21  
22 **1-10.2(1)B Traffic Control Supervisor**

23 The first paragraph is revised to read:

24  
25 A Traffic Control Supervisor (TCS) shall be present on the project whenever flagging or  
26 other traffic control labor is being utilized or less frequently, as authorized by the Engineer.

27  
28 The last paragraph is revised to read:

29  
30 The TCS may perform the Work described in Section 1-10.3(1)A Flaggers or in Section 1-  
31 10.3(1)B Other Traffic Control Labor and be compensated under those Bid items, provided  
32 that the duties of the TCS are accomplished.

33  
34 **1-10.2(2) Traffic Control Plans**

35 The first paragraph is revised to read:

36  
37 The traffic control plan or plans appearing in the Contract documents show a method of  
38 handling vehicle, bicycle, and pedestrian traffic. All construction signs, flaggers, and other  
39 traffic control devices are shown on the traffic control plan(s) except for emergency  
40 situations. If the Contractor proposes adding the use of flaggers to a plan, this will  
41 constitute a modification requiring approval by the Engineer. The modified plans shall show  
42 locations for all the required advance warning signs and a safe, protected location for the  
43 flagging station. If flagging is to be performed during hours of darkness, the plan shall  
44 include appropriate illumination for the flagging station.

45  
46 In the second paragraph, the second sentence is revised to read:

47  
48 Any Contractor-proposed modification, supplement or replacement shall show the  
49 necessary construction signs, flaggers, and other traffic control devices required to support  
50 the Work.

51

1 **1-10.2(3) Conformance to Established Standards**

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

3  
4 The National Cooperative Highway Research Project (NCHRP) Report 350 and the  
5 AASHTO Manual for Assessing Safety Hardware (MASH) have established requirements  
6 for crash testing.  
7

8 In the third paragraph, "NCHRP 350" is revised to read "NCHRP 350 or MASH".

9  
10 In the fourth paragraph, "NCHRP 350" is revised to read "NCHRP 350 or MASH".

11  
12 In the fifth paragraph, "NCHRP 350" is revised to read "NCHRP 350 or MASH".  
13

14 **1-10.3(1) Traffic Control Labor**

15 The first paragraph is revised to read:

16  
17 The Contractor shall furnish all personnel for flagging, for the execution of all procedures  
18 related to temporary traffic control and for the setup, maintenance and removal of all  
19 temporary traffic control devices and construction signs necessary to control vehicular,  
20 bicycle, and pedestrian traffic during construction operations.  
21

22 **1-10.3(1)A Flaggers and Spotters**

23 This section's title is revised to read:

24 **Flaggers**

25  
26  
27 The first paragraph is revised to read:

28  
29 Flaggers shall be posted where shown on approved Traffic Control Plans or where directed  
30 by the Engineer. All flaggers shall possess a current flagging card issued by the State of  
31 Washington, Oregon, Montana, or Idaho. The flagging card shall be immediately available  
32 and shown to the Contracting Agency upon request.  
33

34 The last paragraph is deleted.

35  
36 **1-10.3(1)B Other Traffic Control Labor**

37 This section is revised to read:

38  
39 In addition to flagging duties, the Contractor shall provide personnel for all other traffic  
40 control procedures required by the construction operations and for the labor to install,  
41 maintain and remove any traffic control devices shown on Traffic Control Plans.  
42  
43

44 **1-10.3(3)K Portable Temporary Traffic Control Signal**

45 The fifth paragraph is revised to read:

46  
47 The Project Engineer or designee will inspect the signal system at initial  
48 installation/operation and approve the signal timing. Final approval will be based on the  
49 results of the operational inspection.  
50

51 **1-10.4(2) Item Bids With Lump Sum for Incidentals**

52 In the second paragraph, the first and second sentences are revised to read:  
53

1 "Flaggers" will be measured by the hour. Hours will be measured for each flagging station,  
2 shown on an approved Traffic Control Plan, when that station is staffed in accordance with  
3 Section 1-10.3(1)A.  
4

5 The first sentence of the last bulleted item in this section is revised to read:  
6

7 Installing and removing Barricades, Traffic Safety Drums, Cones, Tubular Markers and  
8 Warning Lights and Flashers to carry out approved Traffic Control Plan(s).  
9

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

12 **2-01.3(1) Clearing**

13 In the second paragraph, item number 3 (up until the colon) is revised to read:  
14

- 15 3. Follow these requirements for all stumps that will be buried deeper than 5 feet from the  
16 top, side, or end surface of the embankment or any structure and are in a location that  
17 will not be terraced as described in Section 2-03.3(14):  
18

19 **Section 2-02, Removal of Structures and Obstructions**  
20 **January 5, 2015**

21 **2-02.3(2) Removal of Bridges, Box Culverts, and Other Drainage Structures**

22 This section is supplemented with the following new subsections:  
23

24 **2-02.3(2)A Bridge Removal**

25 **2-02.3(2)A1 Bridge Demolition Plan Submittal**

26 The Contractor shall submit a Type 2E Working Drawing consisting of a bridge  
27 demolition plan, showing the method of removing the existing bridge(s), or portions of  
28 bridges, as specified.  
29

30 The bridge demolition plan shall show all equipment, sequence of operations, and  
31 details required to complete the work, including containment, collection, and disposal  
32 of all debris. The plan shall include a crane foundation stability analysis and crane  
33 load calculations for the work. The plan shall detail the containment, collection, and  
34 disposal of all debris. The plan shall show all stages of demolition.  
35

36 When the bridge removal work includes removal of a truss, and when the Contractor's  
37 removal method involves use of a crane or cranes to pick, lift, and remove the truss,  
38 the Contractor shall confirm the truss dead load weight prior to beginning the truss  
39 removal operation. The operation of confirming the truss dead load shall be performed  
40 at both ends of the truss, and shall ensure that the truss is broken free of its support  
41 bearings. The Contractor's method of confirming the truss dead load, whether by  
42 hydraulic jacks or other means, shall be included in the Contractor's bridge demolition  
43 plan submittal.  
44

45 When the bridge removal work involves removing portions of existing concrete without  
46 replacement, the methods and tools used to achieve the smooth surface and profile  
47 specified in Section 2-02.3(2)A2 shall be included in the Contractor's bridge demolition  
48 plan submittal.  
49

1 **2-02.3(2)A2 Removing Portions of Existing Concrete**

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

8  
9 Concrete shall be completely removed (exposing the deformed surface of the bar) from  
10 existing steel reinforcing bars which extend from the existing members and are  
11 specified to remain. Steel reinforcing bars that are not designated to remain shall be  
12 cut a minimum of 1-inch behind the final surface. The void left by removal of the steel  
13 reinforcing bar shall be filled with mortar conforming to Section 9-20.4(2). The mortar  
14 shall match the color of the existing concrete surface as nearly as practicable

15  
16 The Contractor shall roughen, clean, and saturate existing concrete surfaces, against  
17 which fresh concrete will be placed, in accordance with Section 6-02.3(12)B. When a  
18 portion of existing concrete is to be removed without replacement, concrete shall be  
19 removed to a clean line with a smooth surface of less than 1/16 inch profile.

20  
21 **2-02.3(2)A3 Use of Explosives for Bridge Demolition**

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

24  
25 **2-02.5 Payment**

26 This section is supplemented with the following new Bid items:

27  
28 "Removing Existing Bridge\_\_\_", lump sum.

29  
30 **Section 2-03, Roadway Excavation and Embankment**  
31 **August 4, 2014**

32 **2-03.3(14) Embankment Construction**

33 The third paragraph is revised to read:

34  
35 **Hillside Terraces** – The Contractor shall terrace the original ground or embankment when  
36 the slope of the surface is 2H:1V or steeper unless otherwise directed by the Engineer. The  
37 face of each terrace shall be a minimum of 1 foot and a maximum of 5 feet in height and  
38 shall be vertical or near vertical as required to remain stable during material placement and  
39 compaction. The bench of the terrace shall slope outward to drain and shall not be inclined  
40 steeper than 0.05 foot per foot. Terraces damaged during work shall be reestablished. The  
41 Engineer may order the Contractor to place gravel backfill, pipe drains or both to drain any  
42 seepage.

43  
44 **2-03.3(14)L Embankment Widening for Guardrail**

45 The first sentence is revised to read:

46  
47 Embankments widened for the installation of beam guardrail shall be terraced in  
48 accordance with the requirements for hillside terraces in Section 2-03.3(14).

49  
50 The second sentence is deleted.

1 **Section 2-09, Structure Excavation**  
2 **January 5, 2015**

3 **2-09.4 Measurement**

4 The seventh paragraph is revised to read:

5  
6 For pipelines the lower limit in measuring structure excavation will be the foundation level  
7 as shown in the Plans or as directed by the Engineer.  
8

9 **Section 3-04, Acceptance of Aggregate**  
10 **April 6, 2015**

11 **3-04.5 Payment**

12 In Table 1, the "Maximum Sublot Size (Tons)" value for the item HMA Aggregate is revised to  
13 read "2000".

14  
15 In Table 2, the row containing the item "HMA Aggregate" is revised to read:  
16

9-03.8(2)	HMA Aggregate					15	15	Uncompact ed Void Content 15
-----------	---------------	--	--	--	--	----	----	------------------------------------

17  
18

19 **Section 5-04, Hot Mix Asphalt**  
20 **April 6, 2015**

21 **5-04.2 Materials**

22 The third through eighth paragraphs are deleted and replaced with the following:

23  
24 The Contractor may choose to utilize recycled asphalt pavement (RAP) or reclaimed  
25 asphalt shingles (RAS) in the production of HMA. The RAP may be from pavements  
26 removed under the Contract, if any, or pavement material from an existing stockpile. The  
27 RAS may be from reclaimed shingles.  
28

29 If greater than 20 percent RAP by total weight of HMA or any amount of RAS is utilized in  
30 the production of HMA, the Contractor shall sample and test the RAP and RAS during  
31 stockpile construction in accordance with WSDOT FOP for AASHTO T 308 for  
32 determination of asphalt binder content and WSDOT FOP for WAQTC/AASHTO T 27/T 11  
33 for gradation of the aggregates. The RAP shall be sampled and tested at a frequency of  
34 one sample for every 1,000 tons produced and not less than ten samples per project. The  
35 RAS shall be sampled and tested at a frequency of one sample for every 100 tons  
36 produced and not less than ten samples per project. The asphalt content and gradation test  
37 data shall be reported to the Contracting Agency prior to or when submitting the mix design  
38 for approval on the QPL. If utilized, the amount of RAS shall not exceed 5-percent of the  
39 total weight of the HMA. The Contractor shall include the RAP and RAS as part of the mix  
40 design as defined in these Specifications.  
41

42 The grade of asphalt binder shall be as required by the Contract. Blending of asphalt binder  
43 from different sources is not permitted. For HMA with greater than 20 percent RAP by total  
44 weight of HMA or any amount of RAS, the final blended asphalt binder (after inclusion of

1 RAP, RAS, new asphalt binder and recycling agent) shall be the grade as required by the  
2 Contract and comply with the requirements of Section 9-02.1(4).  
3

4 The Contractor may only use warm mix asphalt (WMA) processes in the production of HMA  
5 with 20 percent or less RAP by total weight of HMA and no RAS. The Contractor shall  
6 submit to the Engineer for approval the process that is proposed and how it will be used in  
7 the manufacture of HMA.  
8

9 When the Contracting Agency provides aggregates or provides a source for the production  
10 of aggregates, the Contract Provisions will establish the approximate percentage of asphalt  
11 binder required in the mixture for each class of HMA.  
12

13 Production of aggregates shall comply with the requirements of Section 3-01.  
14

15 Preparation of stockpile site, the stockpiling of aggregates, and the removal of aggregates  
16 from stockpiles shall comply with the requirements of Section 3-02.  
17

#### 18 **5-04.3(1) Hot Mix Asphalt Mixing Plant**

19 The first paragraph is supplemented with the following:  
20

- 21 6. **Equipment for Processing RAP and RAS.** When producing HMA for mix designs  
22 with greater than 20 percent RAP by total weight of HMA or any amount of RAS the  
23 HMA plant shall be equipped with screens or a lump breaker to eliminate oversize  
24 RAP/RAS particles from entering the pug mill or drum mixer.  
25

#### 26 **5-04.3(3)A Material Transfer Device/Vehicle**

27 The first paragraph is supplemented with the following new sentence:  
28

29 At the Contractor's request the Engineer may approve paving without an MTD/V; the  
30 Engineer will determine if an equitable adjustment in cost or time is due.  
31

32 In the last sentence of the second paragraph, "Project Engineer" is revised to read "Engineer".  
33

#### 34 **5-04.3(5)A Preparation of Existing Surfaces**

35 The first sentence of the last paragraph is revised to read:  
36

37 Unless otherwise approved by the Engineer, the tack coat shall be CSS-1 or CSS-1h  
38 emulsified asphalt.  
39

#### 40 **5-04.3(7) Preparation of Aggregates**

41 This section is revised to read:  
42

43 The aggregates, RAP and RAS shall be stockpiled according to the requirements of  
44 Section 3-02. Sufficient storage space shall be provided for each size of aggregate, RAP  
45 and RAS. The Contractor may uniformly blend fine aggregate or RAP with the RAS as a  
46 method of preventing the agglomeration of RAS particles. The aggregates, RAP and RAS  
47 shall be removed from stockpile(s) in a manner to ensure minimal segregation when being  
48 moved to the HMA plant for processing into the final mixture. Different aggregate sizes shall  
49 be kept separated until they have been delivered to the HMA plant.  
50

#### 51 **5-04.3(7)A1 General**

52 This section is revised to read:  
53

1 An approved mix design, listed on the Qualified Products List (QPL), is required for all HMA  
2 paving. The Contractor shall develop a mix design prior to the initial production of HMA and  
3 no more than 3 months prior to submitting for QPL evaluation. The mix design shall be  
4 developed in accordance with WSDOT Standard Operating Procedure 732 and meet the  
5 requirements of Sections 9-03.8(2) and 9-03.8(6).  
6

7 Mix designs shall be submitted by the Contractor to the WSDOT State Materials Laboratory  
8 on WSDOT Form 350-042EF. If the mix design is approved it will be listed on the QPL for  
9 up to 24 consecutive months. Mix designs not listed on the QPL or past the 24 month  
10 approved period shall not be used. After a mix design has been on the QPL for 12 months  
11 the listing will be extended provided the Contractor submits a certification letter to the  
12 Qualified Products Engineer verifying that the aggregate and asphalt binder have not  
13 changed. The Contractor may submit the certification one month prior to expiration of the  
14 mix design approval. Within 7 calendar days of receipt of the Contractor's certification the  
15 QPL will be updated. The maximum duration for approval of a mix design and listing on the  
16 QPL will be 24 months from the date of initial approval or as approved by the Engineer.  
17

18 Changes to the job mix formula of a mix design may require the development of a new mix  
19 design and resubmittal for QPL approval. Mix designs that require resubmittal for QPL  
20 approval must be approved prior to use.  
21

22 Changes to aggregate that may require a new mix design include the source of material or  
23 a change in the percentage of material from a stockpile greater than 5 percent. Changes to  
24 the percentage of material from a stockpile will be calculated exclusive of the RAP content.  
25 The Contractor may vary the RAP percentage in accordance with Section 5-04.2.  
26

27 Changes to asphalt binder that may require a new mix design include the source of the  
28 crude petroleum supplied to the refinery, the refining process, and additives or modifiers in  
29 the asphalt binder.  
30

31 The Contractor shall include the brand and type of anti-stripping additive in the mix design  
32 submittal and provide certification from the asphalt binder manufacture that the anti-  
33 stripping additive is compatible with the crude source and formulation of asphalt binder  
34 proposed in the mix design. All changes to anti-strip require the submittal of a new mix  
35 design for approval.  
36

37 Mix designs with 20 percent RAP or less by total weight of HMA and no RAS will be  
38 completed without the inclusion of the RAP. For HMA mix designs with greater than 20  
39 percent RAP by total weight of HMA or any amount of RAS the Contractor shall develop a  
40 mix design including RAP, RAS, recycling agent and new asphalt binder. Asphalt binder  
41 contributed from RAS shall be determined in accordance with AASHTO PP 78. The total  
42 quantity of asphalt binder from the RAP and RAS shall not exceed 40 percent of the total  
43 asphalt binder content of the HMA.  
44

45 Once the RAP and RAS stockpiles have been constructed the Contractor shall extract,  
46 recover and test the asphalt residue from the RAP and RAS stockpiles to determine the  
47 percent of recycling agent and/or grade of new asphalt binder needed to meet the grade of  
48 asphalt binder required by the contract. The asphalt extraction testing shall be performed in  
49 accordance with AASHTO T 164 or ASTM D 2172 using reagent grade trichloroethylene.  
50 The asphalt recovery shall be performed in accordance with AASHTO R 59 or ASTM D  
51 1856. The recovered asphalt residue shall be tested in accordance with AASHTO R 29 to  
52 determine the asphalt binder grade in accordance with Section 9-02.1(4). Once the  
53 recovered asphalt binder grade is determined the percent of recycling agent and/or grade  
54 of new asphalt binder shall be determined in accordance with ASTM D 4887. The final

1 blend of recycling agent, recovered and new asphalt shall be tested in accordance with  
2 AASHTO R 29 to confirm that it meets the grade of asphalt binder required by the contract  
3 in accordance with Section 9-02.1(4). All recovered and blended asphalt binder test data  
4 shall be reported to the Contracting Agency prior to submitting the mix design for approval  
5 on the QPL.  
6

#### 7 **5-04.3(7)A2 Statistical or Nonstatistical Evaluation**

8 This section is revised to read:  
9

10 The Contractor shall submit WSDOT Form 350-041EF to the Engineer for approval to use a  
11 mix design from the QPL. The Contractor may include changes to the job mix formula that  
12 have been approved on other contracts. The request to use a mix design from the QPL  
13 may be rejected if production of the HMA from another contract is not in compliance with  
14 Section 5-04.3(11)D.  
15

16 The Contractor shall submit representative samples of the materials that are to be used in  
17 the HMA production to the State Materials Laboratory in Tumwater. For HMA mix designs  
18 with 20 percent RAP or less by total weight of HMA and no RAS, the Contractor shall  
19 submit representative samples of the mineral materials that are to be used in the HMA  
20 production; the submittal of RAP samples is not required for these mix designs. For HMA  
21 mix designs with greater than 20 percent RAP by total weight of HMA or any amount of  
22 RAS the Contractor shall submit representative samples of the mineral materials, RAP,  
23 RAS and 100 grams of recovered asphalt residue from the RAP and RAS that are to be  
24 used in the HMA production. The Contracting Agency will use these samples to evaluate  
25 the mix design for approval on the QPL in accordance with WSDOT Standard Practice QC-  
26 8.  
27

#### 28 **5-04.3(7)A3 Commercial Evaluation**

29 This section is revised to read:  
30

31 Approval of a Commercial Evaluation mix design for listing on the QPL will be based on a  
32 review of the Contractor's submittal of WSDOT Form 350-042 for conformance to the  
33 requirements of Section 9-03.8(2). Testing of the HMA by the Contracting Agency for mix  
34 design approval is not required. Mix designs for HMA with greater than 20 percent RAP by  
35 total weight of HMA or any amount of RAS may be evaluated in accordance with Section 5-  
36 04.3(7)A2.  
37

38 For the Bid item Commercial HMA, the Contractor shall select a class of HMA and design  
39 level of Equivalent Single Axle Loads (ESAL's) appropriate for the required use.  
40

#### 41 **5-04.3(8) Mixing**

42 The first sentence of the second paragraph is revised to read:  
43

44 When discharged, the temperature of the HMA shall not exceed the optimum mixing  
45 temperature by more than 25°F as shown on the reference mix design report or as  
46 approved by the Engineer.  
47

48 The last paragraph is supplemented with the following new sentence:  
49

50 After the required amount of mineral materials, RAP, RAS, new asphalt binder and asphalt  
51 rejuvenator have been introduced into the mixer the HMA shall be mixed until complete and  
52 uniform coating of the particles and thorough distribution of the asphalt binder throughout  
53 the mineral materials, RAP and RAS is ensured.  
54

1  
2 **5-04.3(8)A4 Definition of Sampling and Sublot**

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

4  
5 The sublots shall be approximately uniform in size with a maximum sublot size based on  
6 original Plan quantity tons as specified in the following table.

7  
8 This section is supplemented with the following new table:

9

HMA Original Plan Quantity (tons)	Sublot Size (tons)
<20,000	1,000
20,000 to 30,000	1,500
>30,000	2,000

10  
11 **5-04.3(8)A7 Test Section – HMA Mixtures**

12 This section is revised to read:

13  
14 For each class of HMA accepted by statistical evaluation with 20 percent RAP or less by  
15 total weight of HMA and no RAS, the Contractor may request a single test section to  
16 determine whether the mixture meets the requirements of Section 9-03.8(2) and 9-03.8(6).  
17 For each HMA mix design accepted by statistical evaluation with greater than 20 percent  
18 RAP by weight of HMA or any amount of RAS, the Contractor shall construct a test section  
19 to determine whether the mixture meets the requirements of Sections 9-03.8(2) and 9-  
20 03.8(6). Test sections shall be constructed at the beginning of paving and will be at least  
21 600 tons and a maximum of 1,000 tons or as approved by the Engineer. For a test section  
22 to be acceptable the pay factor (PF) for gradation, asphalt binder and Va shall be 0.95 or  
23 greater for each constituent and the remaining test requirements in Section 9-03.8(2)  
24 (dust/asphalt ratio, sand equivalent, uncompacted void and fracture) shall conform to the  
25 requirements of that section. No further wearing or leveling HMA will be paved on any of  
26 the four calendar days following construction of the test section. The mixture in the test  
27 section will be evaluated as a lot with a minimum of three sublots required. If more than one  
28 test section is required, each test section shall be a separate lot.

29  
30 **5-04.3(10)A General**

31 In the first paragraph, "checking" and "cracking" are deleted.

32  
33 In the third paragraph, the following new sentence is inserted after the second sentence:

34  
35 Coverage with a steel wheel roller may precede pneumatic tired rolling.

36  
37 In the third paragraph, the following new sentence is inserted before the last sentence:

38  
39 Regardless of mix temperature, a roller shall not be operated in a mode that results in  
40 checking or cracking of the mat.

41  
42 **5-04.3(10)B1 General**

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

44  
45 The first paragraph is revised to read:

46  
47 HMA mixture accepted by statistical or nonstatistical evaluation that is used in traffic lanes,  
48 including lanes for ramps, truck climbing, weaving, and speed change, and having a  
49 specified compacted course thickness greater than 0.10-foot, shall be compacted to a

1 specified level of relative density. The specified level of relative density shall be a  
2 Composite Pay Factor (CPF) of not less than 0.75 when evaluated in accordance with  
3 Section 1-06.2, using a minimum of 91 percent of the maximum density. The percent of  
4 maximum density shall be determined by WSDOT FOP for AASHTO T 729 when using the  
5 nuclear density gauge and WSDOT SOP 736 when using cores to determine density. The  
6 specified level of density attained will be determined by the statistical evaluation of the  
7 density of the pavement.  
8

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

10  
11 Tests for the determination of the pavement density will be taken in accordance the  
12 required procedures for measurement by a nuclear density gauge or roadway cores after  
13 completion of the finish rolling.  
14

15 If the Contracting Agency uses a nuclear density gauge to determine density the test  
16 procedures FOP for WAQTC TM 8 and WSDOT SOP T 729 will be used on the day the mix  
17 is placed.  
18

19 Roadway cores for density may be obtained by either the Contracting Agency or the  
20 Contractor in accordance with WSDOT SOP 734. The core diameter shall be 4-inches  
21 unless otherwise approved by the Engineer. Roadway cores will be tested by the  
22 Contracting Agency in accordance with WSDOT FOP for AASHTO T 166.  
23

24 If the Contract includes the Bid item "Roadway Core" the cores shall be obtained by the  
25 Contractor in the presence of the Engineer on the same day the mix is placed and at  
26 locations designated by the Engineer. If the Contract does not include the Bid item  
27 "Roadway Core" the Contracting Agency will obtain the cores.  
28

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

31  
32 Sublots will be uniform in size with a maximum subplot size based on original Plan quantity  
33 tons of HMA as specified in the table below.  
34

35 The following new table is inserted before the second to last paragraph:  
36

HMA Original Plan Quantity (tons)	Sublot Size (tons)
<20,000	100
20,000 to 30,000	150
>30,000	200

37  
38 **5-04.3(10)B4 Test Results**

39 The first paragraph is revised to read:

40  
41 The results of all compaction acceptance testing and the CPF of the lot after three sublots  
42 have been tested will be available to the Contractor through WSDOT's website.  
43 Determination of the relative density of the HMA with a nuclear density gauge requires a  
44 correlation factor and may require resolution after the correlation factor is known.  
45 Acceptance of HMA compaction will be based on the statistical evaluation and CPF so  
46 determined.  
47

48 In the second paragraph, the first sentence is revised to read:  
49

1 For a subplot that has been tested with a nuclear density gauge that did not meet the  
2 minimum of 91 percent of the reference maximum density in a compaction lot with a CPF  
3 below 1.00 and thus subject to a price reduction or rejection, the Contractor may request  
4 that a core be used for determination of the relative density of the subplot.  
5

6 In the second sentence of the second paragraph, "moisture-density" is revised to read "density".  
7

8 In the second paragraph, the fourth sentence is deleted.  
9

#### 10 **5-04.3(20) Anti-Stripping Additive**

11 This section is revised to read:  
12

13 Anti-stripping additive shall be added to the liquid asphalt by the asphalt supplier prior to  
14 shipment to the asphalt mixing plant. Anti-stripping additive shall be added in the amount  
15 designated on the QPL for the mix design.  
16

#### 17 **5-04.4 Measurement**

18 The following new paragraph is inserted after the first paragraph:  
19

20 Roadway cores will be measured per each for the number of cores taken.  
21

22 The second to last paragraph is deleted.  
23

#### 24 **5-04.5 Payment**

25 The bid item "Removing Temporary Pavement Marking", per linear foot and paragraph following  
26 bid item are deleted.  
27

28 The following new bid item is inserted before the second to last paragraph:  
29

30 "Roadway Core", per each.  
31

32 The Contractor's costs for all other Work associated with the coring (e.g., traffic control)  
33 shall be incidental and included within the unit Bid price per each and no additional  
34 payments will be made.  
35

### 36 **Section 6-01, General Requirements for Structures** 37 **January 5, 2015**

#### 38 **6-01.6 Load Restrictions on Bridges Under Construction**

39 The first sentence of the second paragraph is revised to read:  
40

41 If necessary and safe to do so, and if the Contractor requests it through a Type 2E Working  
42 Drawing, the Engineer may allow traffic on a bridge prior to completion.  
43

44 In the second paragraph, item number 3 (up until the colon) is revised to read:  
45

- 46 3. Provide stress calculations under the design criteria specified in the AASHTO LRFD  
47 Bridge Design Specifications, current edition, including at a minimum the following:  
48

#### 49 **6-01.9 Working Drawings**

50 This section is revised to read:  
51

1 All Working Drawings required for bridges and other Structures shall conform to Section 1-  
2 05.3.

3  
4 **6-01.10 Utilities Supported by or Attached to Bridges**

5 In the second paragraph, "bridge structures" is revised to read "bridges".

6  
7 **6-01.14 Premolded Joint Filler**

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

9  
10 The Contractor may substitute for the nails any adhesive acceptable to the Engineer.  
11

12 **Section 6-02, Concrete Structures**  
13 **April 6, 2015**

14 **6-02.3(1) Classification of Structural Concrete**

15 In paragraph two, item number 1 is revised to read:

16  
17 Mix design and proportioning specified in Sections 6-02.3(2), 6-02.3(2)A and 6-02.3(2)A1.

18  
19 Item number 3 is renumbered to 4.

20  
21 After the preceding Amendments are applied, the following new numbered item is inserted after  
22 item number 2:

23  
24 3. Temperature and time for placement requirements specified in Section 6-02.3(4)D.

25  
26 **6-02.3(2) Proportioning Materials**

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

28  
29 The use of fly ash is required for Class 4000P concrete, except that ground granulated  
30 blast furnace slag may be substituted for fly ash at a 1:1 ratio.

31  
32 In the table titled "Cementitious Requirement for Concrete", the row beginning with "4000D" is  
33 deleted.

34  
35 The fourth paragraph is revised to read:

36  
37 When both ground granulated blast furnace slag and fly ash are included in the concrete  
38 mix, the total weight of both these materials is limited to 40 percent by weight of the total  
39 cementitious material for concrete class 4000A, and 50 percent by weight of the total  
40 cementitious material for all other classes of concrete.

41  
42 **6-02.3(2)A Contractor Mix Design**

43 The first paragraph is revised to read:

44  
45 The Contractor shall provide a mix design in writing to the Engineer for all classes of  
46 concrete specified in the Plans except for lean concrete and commercial concrete. No  
47 concrete shall be placed until the Engineer has reviewed the mix design. The required  
48 average 28-day compressive strength shall be selected in accordance with ACI 301,  
49 Chapter 4, Section 4.2.3.3. ACI 211.1 shall be used to determine proportions. All proposed  
50 concrete mixes except Class 4000D shall meet the requirements in Cementitious  
51 Requirement for Concrete in Section 6-02.3(2).

1  
2 In the fourth paragraph, the fourth sentence is deleted.

3  
4 In the sixth paragraph, the first sentence is deleted.

5  
6 In the seventh paragraph, the last sentence is deleted.

7  
8 The eighth paragraph is revised to read:

9  
10 Air content for concrete Class 4000D shall conform to Section 6-02.3(2)A1. For all other  
11 concrete, air content shall be a minimum of 4.5 percent and a maximum of 7.5 percent for  
12 all concrete placed above the finished ground line.

13  
14 The following new sub-section is added:

15  
16 **6-02.3(2)A1 Contractor Mix Design for Concrete Class 4000D**

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

- 19  
20 1. Aggregate shall use combined gradation in accordance with Section 9-03.1(5) with  
21 a nominal maximum aggregate size of 1-1/2 inches.  
22  
23 2. Permeability shall be less than 2,000 coulombs at 56 days in accordance with  
24 AASHTO T 277.  
25  
26 3. Freeze-thaw durability shall be provided by one of the following methods:  
27 a. The concrete shall maintain an air content between 4.5 and 7.5 percent.  
28 b. The concrete shall maintain a minimum air content that achieves a durability  
29 factor of 90 percent, minimum, after 300 cycles in accordance with AASHTO T  
30 161, Procedure A. This air content shall not be less than 3.0 percent. Test  
31 samples shall be obtained from concrete batches of a minimum of 3.0 cubic  
32 yards.  
33  
34 4. Scaling shall have a visual rating less than or equal to 2 after 50 cycles in  
35 accordance with ASTM C 672.  
36  
37 5. Shrinkage at 28 days shall be less than 320 micro strain in accordance with  
38 AASHTO T 160.  
39  
40 6. Modulus of elasticity shall be measured in accordance with ASTM C 469.  
41  
42 7. Density shall be measured in accordance with ASTM C 138.

43  
44 The Contractor shall submit the mix design in accordance with Section 6-02.3(2)A. The  
45 submittal shall include test reports for all tests listed above that follow the reporting  
46 requirements of the AASHTO/ASTM procedures. Samples for testing may be obtained  
47 from either laboratory or concrete plant batches. If concrete plant batches are used, the  
48 minimum batch size shall be 3.0 cubic yards. The Contractor shall submit the mix design to  
49 the Engineer at least 30 calendar days prior to the placement of concrete in the bridge  
50 deck.

51  
52 **6-02.3(4)D Temperature and Time For Placement**

53 The first two sentences are revised to read:  
54

1 Concrete temperatures shall remain between 55°F and 90°F while it is being placed, except  
2 that Class 4000D concrete temperatures shall remain between 55°F and 75°F during  
3 placement. Precast concrete that is heat cured in accordance with Section 6-02.3(25)D  
4 shall remain between 50°F and 90°F while being placed.  
5

#### 6 6-02.3(5)A General

7 The first paragraph is revised to read:  
8

9 Concrete for the following applications will be accepted based on a Certificate of  
10 Compliance to be provided by the supplier as described in Section 6-02.3(5)B:  
11

- 12 1. Lean concrete.
- 13 2. Commercial concrete.
- 14 3. Class 4000P concrete for Roadside Steel Sign Support Foundations.
- 15 4. Class 4000P concrete for Type II, III, and CCTV Signal Standard Foundations that  
16 are 12'-0" or less in depth.
- 17 5. Class 4000P concrete for Type IV and V Strain Pole Foundations that are 12'-0" or  
18 less in depth.
- 19 6. Class 4000P concrete for Steel Light Standard Foundations Types A & B.  
20  
21  
22  
23

24 The following new sentence is inserted at the beginning of the second paragraph:  
25

26 Slip-form barrier concrete will be accepted based on conformance to the requirements for  
27 temperature, air content and compressive strength at 28 days for sublots as tested and  
28 determined by the Contracting Agency.  
29  
30  
31

#### 32 6-02.3(5)B Certification of Compliance

33 In the list within the first paragraph, "Fly ash (if used) brand and Type" is revised to read "Fly ash  
34 (if used) brand and Class".  
35

36 The first sentence of the second to last paragraph is deleted.  
37

#### 38 6-02.3(5)G Sampling and Testing Frequency for Temperature, Consistency, and 39 Air Content

40 In the fifth sentence of the second paragraph, "five truck loads" is revised to read "ten truck  
41 loads".  
42

43 The second paragraph is supplemented with the following:  
44

45 If the remaining quantity to be placed is less than ten truck loads; then a sample shall be  
46 randomly taken from one of the remaining truck loads.  
47

48 In the last sentence of the third paragraph, "five truck loads" is revised to read "ten truck loads".  
49

#### 50 6-02.3(5)H Sampling and Testing for Compressive Strength and Initial Curing

51 The second paragraph is revised to read:  
52

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

13  
14 The following new paragraph is inserted after the last paragraph:

15  
16 All cure box costs shall be incidental to the associated item of work.

17  
18 **6-02.3(6)A2 Cold Weather Protection**

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

20  
21 This Specification applies when the weather forecast on the day of concrete placement  
22 predicts air temperatures below 35°F at any time during the 7 days following placement.

23  
24 The first sentence of the second paragraph is revised to read:

25  
26 The temperature of the concrete shall be maintained above 50°F during the entire curing  
27 period or 7 days, whichever is greater.

28  
29 **6-02.3(10)A Preconstruction Meeting**

30 This section including title is revised to read:

31  
32 **6-02.3(10)A Pre-Deck Pour Meeting**

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

38  
39 If the project includes more than one bridge deck, and if the Contractor's key personnel  
40 change between concreting operations, or at request of the Engineer, additional  
41 conferences shall be held before each deck placement.

42  
43 **6-02.3(10)D Concrete Placement, Finishing, and Texturing**

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

45  
46 **6-02.3(10)D1 Test Slab Using Bridge Deck Concrete**

47 After the Contractor receives the Engineer's approval for the Class 4000D concrete mix  
48 design, and a minimum of seven calendar days prior to the first placement of bridge deck  
49 concrete, the Contractor shall construct a test slab using concrete of the approved mix  
50 design.  
51

1 The test slab may be constructed on grade, shall have a minimum thickness of eight-  
2 inches, shall have minimum plan dimensions of 10-feet along all four edges, and shall be  
3 square or rectangular.  
4

5 During construction of the test slab, the Contractor shall demonstrate concrete sampling  
6 and testing, use of the concrete temperature monitoring system, the concrete fogging  
7 system, concrete placement system, and the concrete finishing operation. The Contractor  
8 shall conduct the demonstration using the same type of equipment to be used for the  
9 production bridge decks, except that the Contractor may elect to finish the test slab with a  
10 hand-operated strike-board.  
11

12 After the construction of the test slab and the demonstration of bridge deck construction  
13 operations is complete, the Contractor shall remove and dispose of the test slab in  
14 accordance with Sections 2-02.3 and 2-03.3(7)C.  
15

### 16 **6-02.3(10)D2 Preparation for Concrete Placement**

17 Before placing bridge approach slab concrete, the subgrade shall be constructed in  
18 accordance with Sections 2-06 and 5-05.3(6).  
19

20 Before any concrete is placed, the finishing machine shall be operated over the entire  
21 length of the deck/slab to check screed deflection. Concrete placement may begin only if  
22 the Engineer approves after this test.  
23

24 Immediately before placing concrete, the Contractor shall check (and adjust if necessary)  
25 all falsework and wedges to minimize settlement and deflection from the added mass of the  
26 concrete deck/slab. The Contractor shall also install devices, such as telltales, by which the  
27 Engineer can readily measure settlement and deflection.  
28

### 29 **6-02.3(10)D3 Concrete Placement**

30 The placement operation shall cover the full width of the bridge deck or the full width  
31 between construction joints. The Contractor shall locate any construction joint over a beam  
32 or web that can support the deck/slab on either side of the joint. The joint shall not occur  
33 over a pier unless the Plans permit. Each joint shall be formed vertically and in true  
34 alignment. The Contractor shall not release falsework or wedges supporting bridge deck  
35 placement sections on either side of a joint until each side has aged as these Specifications  
36 require.  
37

38 Placement of concrete for bridge decks and bridge approach slabs shall comply with  
39 Section 6-02.3(6). In placing the concrete, the Contractor shall:  
40

- 41 1. Place it (without segregation) against concrete placed earlier, as near as possible  
42 to its final position, approximately to grade, and in shallow, closely spaced piles;  
43
- 44 2. Consolidate it around reinforcing steel by using vibrators before strike-off by the  
45 finishing machine;  
46
- 47 3. Not use vibrators to move concrete;  
48
- 49 4. Not revibrate any concrete surface areas where workers have stopped prior to  
50 screeding;  
51
- 52 5. Remove any concrete splashed onto reinforcing steel in adjacent segments before  
53 concreting them;  
54

- 1           6. Maintain a slight excess of concrete in front of the screed across the entire width of
- 2           the placement operation;
- 3
- 4           7. Operate the finishing machine to create a surface that is true and ready for final
- 5           finish without overfinishing or bringing excessive amounts of mortar to the surface;
- 6           and
- 7
- 8           8. Leave a thin, even film of mortar on the concrete surface after the last pass of the
- 9           finishing machine pan.

10  
11       Workers shall complete all post screeding operations without walking on the concrete. This  
12       may require work bridges spanning the full width of the deck/slab.

13  
14       After removing the screed supports, the Contractor shall fill the voids with concrete (not  
15       mortar).

16  
17       If the surface left by the finishing machine is porous, rough, or has minor irregularities, the  
18       Contractor shall float the surface of the concrete. Floating shall leave a smooth and even  
19       surface. Float finishing shall be kept to the minimum number of passes necessary to seal  
20       the surface. The floats shall be at least 4-feet long. Each transverse pass of the float shall  
21       overlap the previous pass by at least half the length of the float. The first floating shall be at  
22       right angles to the strike-off. The second floating shall be at right angles to the centerline of  
23       the span. A smooth riding surface shall be maintained across construction joints.

24  
25       The edge of completed roadway slabs at expansion joints and compression seals shall  
26       have a 3/8-inch radius.

27  
28       After floating, but while the concrete remains plastic, the Contractor shall test the entire  
29       deck/slab for flatness (allowing for crown, camber, and vertical curvature). The testing shall  
30       be done with a 10-foot straightedge held on the surface. The straightedge shall be  
31       advanced in successive positions parallel to the centerline, moving not more than one half  
32       the length of the straightedge each time it advances. This procedure shall be repeated with  
33       the straightedge held perpendicular to the centerline. An acceptable surface shall be one  
34       free from deviations of more than 1/8-inch under the 10-foot straightedge.

35  
36       If the test reveals depressions, the Contractor shall fill them with freshly mixed concrete,  
37       strike off, consolidate, and refinish them. High areas shall be cut down and refinished.  
38       Retesting and refinishing shall continue until a surface conforming to the requirements  
39       specified above is produced.

#### 40 41       **6-02.3(10)D4 Monitoring Bridge Deck Concrete Temperature After Placement**

42       The Contractor shall monitor and record the concrete temperature and ambient  
43       temperature hourly for seven calendar days after placement. The Contractor shall monitor  
44       and record concrete temperature by placing two maturity meter temperature monitoring  
45       devices in the bridge deck at locations specified by the Engineer. The Contractor shall  
46       monitor ambient temperature using maturity meters near the locations where concrete  
47       temperature is being monitored. When the bridge deck is being enclosed and heated to  
48       meet cold weather requirements, ambient temperature readings shall be taken within the  
49       enclosure. The Contractor shall submit the concrete temperature and ambient temperature  
50       data to the Engineer in spreadsheet format within 14 calendar days from placing the bridge  
51       deck concrete.

52  
53       The Contractor shall submit the type and model of maturity meter temperature monitoring  
54       device, and the associated devices responsible for recording and documenting the

1 temperature and curing time, to the Engineer at least 14 calendar days prior to the pre-  
2 concreting conference for the first bridge deck to be cast. The placement and operation of  
3 the temperature monitoring devices and associated devices will be an agenda item at the  
4 pre-concreting conference for the first bridge deck to be cast.  
5

#### 6 **6-02.3(10)D5 Bridge Deck Concrete Finishing and Texturing**

7 Except as otherwise specified for portions of bridge decks receiving an overlay or sidewalk  
8 under the same Contract, the Contractor shall texture the surface of the bridge deck as  
9 follows:

10  
11 The Contractor shall texture the bridge deck using diamond tipped saw blades  
12 mounted on a power driven, self-propelled machine that is designed to texture  
13 concrete surfaces. The grooving equipment shall provide grooves that are  $1/8" \pm 1/64"$   
14 wide,  $3/16" \pm 1/16"$  deep, and spaced at  $3/4" \pm 1/8"$ . The bridge deck shall not be  
15 textured with a metal tined comb.  
16

17 The Contractor shall submit the type of grooving equipment to be used to the Engineer  
18 for approval 30 calendar days prior to performing the work. The Contractor shall  
19 demonstrate that the method and equipment for texturing the bridge deck will not chip,  
20 spall or otherwise damage the deck. The Contractor shall not begin texturing the  
21 bridge deck until receiving the Engineer's approval of the Contractor's method and  
22 equipment.  
23

24 Unless otherwise approved by the Engineer, the Contractor shall texture the concrete  
25 bridge deck surface either in a longitudinal direction, parallel with centerline or in a  
26 transverse direction, perpendicular with centerline. The Contractor shall texture the  
27 bridge deck surface to within 3-inches minimum and 15-inches maximum of the edge  
28 of concrete at expansion joints, within 1-foot minimum and 2-feet maximum of the curb  
29 line, and within 3-inches minimum and 9-inches maximum of the perimeter of bridge  
30 drain assemblies.  
31

32 The Contractor shall contain and collect all concrete dust and debris generated by the  
33 bridge deck texturing process, and shall dispose of the collected concrete dust and  
34 debris in accordance with Section 2-03.3(7)C.  
35

36 If the Plans call for placement of a sidewalk or an HMA or concrete overlay on the bridge  
37 deck, the Contractor shall produce the final finish of these areas by dragging a strip of  
38 damp, seamless burlap lengthwise over the bridge deck or by brooming it lightly.  
39 Approximately 3-feet of the drag shall contact the surface, with the least possible bow in its  
40 leading edge. It shall be kept wet and free of hardened lumps of concrete. When the burlap  
41 drag fails to produce the required finish, the Contractor shall replace it. When not in use, it  
42 shall be lifted clear of the bridge deck.  
43

44 After the bridge deck has cured, the surface shall conform to the surface smoothness  
45 requirements specified in Section 6-02.3(10)D3.  
46

47 The surface texture on any area repaired to address out-of-tolerance surface smoothness  
48 shall match closely that of the surrounding bridge deck area at the completion of the repair.  
49 Methods used to remove high spots shall cut through the mortar and aggregate without  
50 breaking or dislodging the aggregate or causing spalls.  
51

#### 52 **6-02.3(10)D6 Bridge Approach Slab Finishing and Texturing**

1 Bridge approach slabs shall be textured either in accordance with Section 6-02.3(10)D5, or  
2 using metal tined combs in the transverse direction, except bridge approach slabs receiving  
3 an overlay in the same Contract shall be finished as specified in Section 6-02.3(10)D5 only.  
4

5 The comb shall be made of a single row of metal tines. It shall leave striations in the fresh  
6 concrete approximately 3/16-inch deep by 1/8-inch wide and spaced approximately 1/2-  
7 inch apart. The Engineer will decide actual depths at the site. If the comb has not been  
8 approved, the Contractor shall obtain the Engineer's approval by demonstrating it on a test  
9 section. The Contractor may operate the combs manually or mechanically, either singly or  
10 with several placed end to end. The timing and method used shall produce the required  
11 texture without displacing larger particles of aggregate.  
12

13 Texturing shall end 2-feet from curb lines. This 2-foot untextured strip shall be hand  
14 finished with a steel trowel.  
15

16 Surface smoothness, high spots, and low spots shall be addressed as specified in Section  
17 6-02.3(10)D5. The surface texture on any area cut down or built up shall match closely that  
18 of the surrounding bridge approach slab area. The entire bridge approach slab shall  
19 provide a smooth riding surface.  
20

### 21 **6-02.3(10)F Bridge Approach Slab Orientation and Anchors**

22 In the first paragraph, the following sentence is inserted after the first sentence:  
23

24 Unless otherwise shown in the Plans, the pavement end of the bridge approach slab shall  
25 be constructed normal to the Roadway centerline.  
26

27 The following new paragraph is inserted before the last paragraph:  
28

29 The compression seal shall be a 2-1/2 inch wide gland selected from the current Qualified  
30 Products List.  
31

### 32 **6-02.3(11) Curing Concrete**

33 Items number 1 through 4 are deleted and replaced with the following 5 new numbered items:  
34

- 35 1. Bridge sidewalks, roofs of cut and cover tunnels — curing compound covered by white,  
36 reflective type sheeting or continuous wet curing. Curing by either method shall be for at  
37 least 10 days.  
38
- 39 2. Bridge decks — See Section 6-02.3(11)B.  
40
- 41 3. Bridge approach slabs (Class 4000A concrete) - 2 coats of curing compound and  
42 continuous wet cure for at least 10-days.  
43
- 44 4. Concrete barriers and rail bases – See Section 6-02.3(11)A.  
45
- 46 5. All other concrete surfaces — continuous wet cure for at least three days.  
47

48 In the second paragraph, the first sentence is replaced with the following three new sentences:  
49

50 During the continuous wet cure, the Contractor shall keep all exposed concrete surfaces  
51 saturated with water. Formed concrete surfaces shall be kept in a continuous wet cure by  
52 leaving the forms in place. If forms are removed during the continuous wet cure period, the  
53 Contractor shall treat the concrete as an exposed concrete surface.  
54

1 The third paragraph is revised to read:

2  
3 When curing Class 4000A, two coats of curing compound that complies with Section 9-23.2  
4 shall be applied immediately (not to exceed 15 min.) after tining any portion of the bridge  
5 approach slab. The continuous wet cure shall be established as soon as the concrete has  
6 set enough to allow covering without damaging the finish.  
7

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

9  
10 If the Plans call for an asphalt overlay on the bridge approach slab, the Contractor shall use  
11 the clear curing compound (Type 1, Class B), applying at least 1 gallon per 150 square feet  
12 to the concrete surface.  
13

14 The eighth paragraph is deleted.

### 15 16 **6-02.3(11)A2 Slip-Form Barrier**

17 In the fourth paragraph, item number 1, "Type 1D" is revised to read "Type 1"

### 18 19 **6-02.3(11)B Curing Bridge Decks**

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

#### 21 22 **6-02.3(11)B1 Equipment**

23 The Contractor shall maintain a wet sheen, without developing pooling or sheeting water,  
24 using a fogging apparatus consisting of pressure washers with a minimum nozzle output of  
25 1,500 psi, or other means approved by the Engineer.  
26

27 The Contractor shall submit a bridge deck curing plan to the Engineer a minimum 14  
28 calendar days prior to the pre-concreting conference. The Contractor's plan shall describe  
29 the sequence and timing that will be used to fog the bridge deck, apply pre-soaked burlap,  
30 install soaker hoses and cover the deck with white reflective sheeting.  
31

#### 32 33 **6-02.3(11)B2 Curing**

34 The fogging apparatus shall be in place and charged for fogging prior to beginning concrete  
35 placement for the bridge deck.  
36

37 The Contractor shall presoak all burlap to be used to cover the deck during curing.

38 Immediately after the finishing machine passes over finished concrete, the Contractor shall  
39 implement the following tasks:  
40

- 41 1. The Contractor shall fog the bridge deck while maintaining a wet sheen without  
42 developing pooling or sheeting water.  
43
- 44 2. The Contractor shall apply the presoaked burlap to the top surface to fully cover  
45 the deck without damaging the finish, other than minor marring of the concrete  
46 surface. The Contractor shall not apply curing compound.  
47
- 48 3. The Contractor shall continue to keep the burlap wet by fog spraying until the  
49 burlap is covered by soaker hoses and white reflective sheeting. The Contractor  
50 shall place the soaker hoses and whiter reflective sheeting after the concrete has  
51 achieved initial set. The Contractor shall charge the soaker hoses frequently so as  
52 to keep the burlap covering the entire deck wet during the course of curing.  
53

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

5  
6 The wet curing regime as described shall remain in place for at least 14 consecutive  
7 calendar days.  
8

### 9 **6-02.3(12)A Construction Joints in New Construction**

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

11  
12 If the Plans require a roughened surface on the joint, the Contractor shall strike it off to  
13 leave grooves at right angles to the length of the member. Grooves shall be installed using  
14 one of the following options:

- 15  
16 1. Grooves shall be ½ to 1 inch wide, ¼ to ½ inch deep, and spaced equally at twice  
17 the width of the groove. Grooves shall terminate approximately 1 ½-inches from  
18 the face of concrete.
- 19  
20 2. Grooves shall be 1 to 2 inches wide, a minimum of ½-inch deep, and spaced a  
21 maximum of three times the width of the groove. Grooves shall terminate  
22 approximately 1 ½-inches from the face of concrete.

23  
24 If the Engineer approves, the Contractor may use an alternate method to produce a  
25 roughened surface on the joint, provided that such an alternate method leaves a roughened  
26 surface of at least a ¼-inch amplitude.

27  
28 If the first strike-off does not produce the required roughness, the Contractor shall repeat  
29 the process before the concrete reaches initial set. The final surface shall be clean and  
30 without laitance or loose material.

### 31 32 **6-02.3(12)B Construction Joints Between Existing and New Construction**

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

### 35 36 **6-02.3(13) Expansion Joints**

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

38  
39 Joints made of a vulcanized, elastomeric compound (with neoprene as the only polymer)  
40 shall be installed with a lubricant adhesive as recommended by the manufacturer.

41  
42 In the third paragraph, "injuring" is revised to read "damaging".

43  
44 The following two new subsections are added:

### 45 46 **6-02.3(13)A Strip Seal Expansion Joint System**

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

- 50  
51 1. Plan, elevation, and sections of the joint system and all components, with  
52 dimensions and tolerances.  
53

- 1 2. All material designations.
- 2
- 3 3. Manufacturer's written installation procedure.
- 4
- 5 4. Corrosion protection system used on the metal components.
- 6
- 7 5. Locations of welded shear studs, lifting mechanisms, temperature setting devices,
- 8 and construction adjustment devices.
- 9
- 10 6. Method of sealing the system to prevent leakage of water through the joint.
- 11

12 The strip seal shall be removable and replaceable.

13  
14 The metal components shall conform to ASTM A 36, ASTM A 992, or ASTM A 572, and  
15 shall be protected against corrosion by one of the following methods:

- 16 1. Zinc metallized in accordance with Section 6-07.3(14).
- 17
- 18 2. Hot-dip galvanized in accordance with AASHTO M 111.
- 19
- 20
- 21 3. Paint in accordance with Section 6-07.3(9). The color of the top coat shall be  
22 Federal Standard 595 Color No. 26420. The surfaces embedded in concrete shall  
23 be painted only with a shop primer coat of paint conforming to Section 9-08.1(2)C.
- 24

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

27  
28 Other than items shown in the Plans, threaded studs used for construction adjustments are  
29 the only items that may be welded to the steel shapes provided they are removed by  
30 grinding after use, and the area repaired by application of an approved corrosion protection  
31 system.

32  
33 If the opening between the steel shapes is anticipated to be less than 1-1/2 inches at the  
34 time of seal installation, the seal may be installed prior to encasement of the steel shapes  
35 in concrete.

36  
37 After the joint system is installed, the joint shall be flooded with water and inspected, from  
38 below the joint, for leakage. If leakage is observed, the joint system shall be repaired by the  
39 Contractor, as recommended by the manufacturer.

#### 40 41 **6-02.3(13)B Compression Seal Expansion Joint System**

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

44  
45 The compression seal expansion joint system shall be installed in accordance with the  
46 manufacturer's written recommendations. The Contractor shall submit a Type 1 Working  
47 Drawing consisting of the manufacturer's written installation procedure and repair  
48 procedures if leakage testing fails.

49  
50 After the joint system is installed, the joint area shall be flooded with water and inspected,  
51 from below the joint, for leakage. If leakage is observed, the joint system shall be repaired  
52 by the Contractor, as recommended by the manufacturer.

1  
2 **6-02.3(14) Finishing Concrete Surfaces**

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

4  
5 The Contractor shall clean and refinish any stained or discolored surfaces.

6  
7 The following new subsection is added:

8  
9 **6-02.3(14)D General Requirements for Concrete Surface Finishes Produced  
10 by Form Liners**

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

14  
15 Horizontal splicing of ABS and plastic form liners to achieve the required height is not  
16 permitted and there shall be no horizontal joints. The concrete formed with ABS and plastic  
17 form liners shall be given a light sandblast to remove the glossy finish.

18  
19 Side forms, traffic barrier forms, and pedestrian barrier forms using these form liners may  
20 be removed after 24 hours provided the concrete mix used includes a water-reducing  
21 admixture, and the concrete reaches 1,400 psi minimum compressive strength before form  
22 removal. Concrete in load supporting forms utilizing these form liners shall be cured in  
23 accordance with Section 6-02.3(17)N. Once the forms are removed, the Contractor shall  
24 treat the joint areas by patching or light sandblasting as required by the Engineer to ensure  
25 that the joints are not visible.

26  
27 Form liners shall be cleaned, reconditioned, and repaired before each use. Form liners with  
28 repairs, patches, or defects which, in the opinion of the Engineer, would result in adverse  
29 effects to the concrete finish shall not be used.

30  
31 Care shall be taken to ensure uniformity of color throughout the textured surface. A change  
32 in form release agent will not be allowed.

33  
34 All surfaces formed by the form liner shall also receive a Class 2 surface finish. Form ties  
35 shall be a type that leaves a clean hole when removed. All spalls and form tie holes shall be  
36 filled as specified for a Class 2 surface finish.

37  
38 **6-02.3(14)C Pigmented Sealer for Concrete Surfaces**

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

40  
41 The Contractor shall submit a Type 1 Working Drawing consisting of the pigmented sealer  
42 manufacturer's written instructions covering, at a minimum, the following:

43  
44 The second paragraph is deleted.

45  
46 In the last sentence of the third paragraph, "approval" is revised to read "acceptance".

47  
48 **6-02.3(15) Date Numerals**

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

50  
51 When an existing Structure is widened or when traffic barrier is placed on an existing  
52 Structure, the date shall be for the year in which the original Structure was completed.

1 **6-02.3(16) Plans for Falsework and Formwork**

2 This section is revised to read:

3  
4 The Contractor shall submit all plans for falsework and formwork as Type 2E Working  
5 Drawings. Submittal is not required for footing or retaining wall formwork if the wall is 4 feet  
6 or less in height (excluding pedestal height).

7  
8 The design of falsework and formwork shall be based on:

- 9  
10 1. Applied loads and conditions which are no less severe than those described in  
11 Section 6-02.3(17)A, Design Loads;  
12  
13 2. Allowable stresses and deflections which are no greater than those described in  
14 Section 6-02.3(17)B, Allowable Stresses and Deflections;  
15  
16 3. Special loads and requirements no less severe than those described in Section 6-  
17 02.3(17)C, Falsework and Formwork at Special Locations;  
18  
19 4. Conditions required by other Sections of 6-02.3(17), Falsework and Formwork.  
20

21 The falsework and formwork plans shall be scale drawings showing the details of proposed  
22 construction, including: sizes and properties of all members and components; spacing of  
23 bents, posts, studs, wales, stringers, wedges and bracing; rates of concrete placement,  
24 placement sequence, direction of placement, and location of construction joints;  
25 identification of falsework devices and safe working loads as well as identification of any  
26 bolts or threaded rods used with the devices including their diameter, length, type, grade,  
27 and required torque. The falsework plans shall show the proximity of falsework to utilities or  
28 any nearby Structures including underground Structures. Formwork accessories shall be  
29 identified according to Section 6-02.3(17)H, Formwork Accessories. All assumptions,  
30 dimensions, material properties, and other data used in making the structural analysis shall  
31 be noted on the drawing.  
32

33 The Contractor shall furnish associated design calculations to the Engineer as part of the  
34 submittal. The design calculations shall show the stresses and deflections in load  
35 supporting members. Construction details which may be shown in the form of sketches on  
36 the calculation sheets shall be shown in the falsework or formwork drawings as well.  
37 Falsework or formwork plans will be rejected in cases where it is necessary to refer to the  
38 calculation sheets for information needed for complete understanding of the falsework and  
39 formwork plans or how to construct the falsework and formwork.  
40

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

- 42  
43 1. The initials and dates of all participating design professionals.  
44  
45 2. Clear notation of all revisions including identification of who authorized the revision,  
46 who made the revision, and the date of the revision.  
47  
48 3. The Contract number, Contract title, and sequential sheet number. These shall also  
49 be on any related documents.  
50  
51 4. Identify where the falsework and formwork plan will be utilized by referencing  
52 Contract Plan sheet number and related item or detail.  
53

1 **6-02.3(16)A Nonpreapproved Falsework and Formwork Plans**

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

3  
4 **6-02.3(16)A Vacant**

5  
6 **6-02.3(16)B Preapproved Formwork Plans**

7 This section, including title, is revised to read:

8  
9 **6-02.3(16)B Pre-Contract Review of Falsework and Formwork Plans**

10 The Contractor may request pre-contract review of formwork plans for abutments,  
11 wingwalls, diaphragms, retaining walls, columns, girders and beams, box culverts, railings,  
12 and bulkheads. Plans for falsework supporting the bridge deck for interior spans between  
13 precast prestressed concrete girders may also be submitted for pre-contract review.

14  
15 To obtain pre-contract review, the Contractor shall electronically submit drawings and  
16 design calculations in PDF format directly to:

17  
18 BridgeConstructionSupport@wsdot.wa.gov

19  
20 The Bridge and Structures Office, Construction Support Engineer will return the falsework  
21 or formwork plan to the Contractor with review notes, an effective date of review, and any  
22 revisions needed prior to use. For each contract on which the pre-reviewed falsework or  
23 formwork plans will be used, the Contractor shall submit a copy to the Engineer.  
24 Construction shall not begin until the Engineer has given concurrence.

25  
26 If the falsework or formwork being constructed has any deviations to the preapproved  
27 falsework or formwork plan, the Contractor shall submit plan revisions for review and  
28 approval in accordance with Section 6-02.3(16).

29  
30 **6-02.3(17)A Design Loads**

31 The fifth paragraph is revised to read:

32  
33 Live loads shall consist of a minimum uniform load of not less than 25 psf, applied over the  
34 entire falsework plan area, plus the greater of:

- 35  
36 1. Actual weights of the deck finishing equipment applied at the rails, or;  
37  
38 2. A minimum load of 75 pounds per linear foot applied at the edge of the bridge  
39 deck.

40  
41 **6-02.3(17)J Face Lumber, Studs, Wales, and Metal Forms**

42 The second and third to last paragraphs are deleted.

43  
44 **6-02.3(17)K Concrete Forms on Steel Spans**

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

46  
47 The Contractor shall fill the holes with fully torqued ASTM A 325 bolts in accordance with  
48 Section 6-03.3(33).

49  
50 **6-02.3(17)O Early Concrete Test Cylinder Breaks**

51 The third paragraph is revised to read:

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

### 3 4 **6-02.3(20) Grout for Anchor Bolts and Bridge Bearings**

5 The first five paragraphs are deleted and replaced with the following two new paragraphs:

6  
7 Grout shall conform to Section 9-20.3(2) for anchor bolts and for bearing assemblies with  
8 bearing plates. Grout shall conform to Section 9-20.3(3) for elastomeric bearing pads and  
9 fabric pad bearings without bearing plates.

10  
11 Grout shall be a workable mix with a viscosity that is suitable for the intended application.  
12 The Contractor shall receive approval from the Engineer before using the grout.

### 13 14 **6-02.3(24)C Placing and Fastening**

15 The twelfth paragraph is revised to read:

16  
17 In bridge decks, a "mat" is two adjacent and perpendicular layers of reinforcing steel. Top  
18 and bottom mats shall be supported adequately to hold both in their proper positions. If  
19 No. 4 bars make up the lower layer of steel in a mat, it shall be blocked at not more than 3-  
20 foot intervals (or 4-foot intervals for bars No. 5 and larger). Wire ties to girder stirrups shall  
21 not be considered as blocking. To provide a rigid mat, the Contractor shall add other  
22 supports and tie wires to the top mat as needed.

23  
24 In the fourteenth paragraph, the description following "2½ inches between" is revised to read:

25  
26 Adjacent bars in a layer. Bridge deck and bridge approach slab bars and the top of the slab.

27  
28 In the fourteenth paragraph, the description following "2 inches between" is supplemented with  
29 the following new sentence:

30  
31 Bars and the surface of concrete when not specified otherwise in this Section or in the  
32 Plans.

33  
34 In the fourteenth paragraph, the first sentence in the description following "1½ inches between"  
35 is deleted.

36  
37 The fifteenth paragraph is revised to read:

38  
39 Except for top cover in bridge decks and bridge approach slabs, cover to ties and stirrups  
40 may be ½ inch less than the values specified for main bars but shall not be less than 1  
41 inch.

42  
43 In the sixteenth paragraph, the first item in the second subparagraph is revised to read:

44  
45 The clearance to the top surface of bridge decks  
46 and bridge approach slabs +¼ in/-0".

### 47 48 **6-02.3(24)E Welding Reinforced Steel**

49 This section is revised to read:

50  
51 Welding of steel reinforcing bars shall conform to the requirements of ANSI/AWS D1.4  
52 Structural Welding Code - Reinforcing Steel, latest edition, except where superseded by the  
53 Special Provisions, Plans, and these Specifications.

1 Before any welding begins, the Contractor shall submit a Type 2 Working Drawing  
2 consisting of the welding procedure for each type of welded splice to be used, including the  
3 weld procedure specifications and joint details. The weld procedure specifications shall be  
4 written on a form taken from AWS D1.4 Annex A, or equivalent. Test results of tensile  
5 strength, macroetch, and visual examination shall be included. The form shall be signed  
6 and dated.  
7

8 Welders shall be qualified in accordance with AWS D1.4. The Contractor shall be  
9 responsible for the testing and qualification of welders, and shall submit Type 2 Working  
10 Drawings consisting of welder qualification and retention records. The weld joint and  
11 welding position a welder is qualified in shall be in accordance with AWS D1.4. The welder  
12 qualifications shall remain in effect indefinitely unless, (1) the welder is not engaged in a  
13 given process of welding for which the welder is qualified for a period exceeding six  
14 months, or (2) there is some specific reason to question a welder's ability.  
15

16 Filler metals used for welding reinforcing bars shall be in accordance with AWS D1.4 Table  
17 5.1. All filler metals shall be low-hydrogen and handled in compliance with low-hydrogen  
18 practices specified in the AWS code.  
19

20 Short circuiting transfer with gas metal arc welding will not be allowed. Slugging of welds  
21 will not be allowed.  
22

23 For the purpose of compatibility with AWS D1.4, welded lap splices for spiral or hoop  
24 reinforcing shall be considered Flare-V groove welds, indirect butt joints.  
25

26 The Contractor is responsible for using a welding sequence that will limit the alignment  
27 distortion of the bars due to the effects of welding. The maximum out-of-line permitted will  
28 be 1/4 inch from a 3.5-foot straight-edge centered on the weld and in line with the bar.  
29

30 The ground wire from the welding machine shall be clamped to the bar being welded.  
31

32 Where epoxy-coated steel reinforcing bars are specified to be spliced by welding, the  
33 epoxy coating shall be left off or removed from the surfaces to be heated, but in no cases  
34 less than six inches of each bar being welded. After the welding is complete, the  
35 Contractor shall apply epoxy patching material to the uncoated portions of the bar in  
36 accordance with Section 6-02.3(24)H.  
37

### 38 **6-02.3(25) Prestressed Concrete Girders**

39 In the first paragraph, the last sentence is revised to read:  
40

41 WSDOT certification will be granted at, and renewed during, the annual prestressed plant  
42 review and approval process in accordance with WSDOT Materials Manual M 46-01.04  
43 Standard Practice QC 6.  
44

### 45 **6-02.3(25)I Fabrication Tolerances**

46 In the first paragraph, item number 21 is revised to read:  
47

48 21. Differential Camber Between Girders in a Span (measured in place at the job site):  
49

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  $\pm \frac{1}{4}$  inch

For deck bulb tee girders and

Cambers shall be equalized when

PCPS members without grouted shear keys: the differences in cambers between adjacent girders exceeds  $\pm \frac{1}{2}$  inch

For all other prestressed concrete girders:  $\pm \frac{1}{8}$  inch per 10 feet of girder length

1  
2 **6-02.3(25)O Deck Bulb Tee Girder Flange Connection**

3 This section, including title, is revised to read:

4  
5 **Deck Bulb Tee Girder Flange and PCPS Member Connection**

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

9  
10 Deck bulb tee girders and PCPS members with grouted shear keys shall be constructed in  
11 the following sequence:

- 12  
13 1. Deflections shall be equalized per the Contractor's equalization plan.  
14  
15 2. Intermediate diaphragms shall be placed and weld ties shall be welded. Welding  
16 ground shall be attached directly to the steel plates being welded when welding the  
17 weld-ties.  
18  
19 3. The keyways shown in the Plans to receive grout shall be filled flush with the  
20 surrounding surfaces using a grout conforming to Section 9-20.3(2).  
21  
22 4. Equalization equipment shall not be removed and other construction equipment  
23 shall not be placed on the structure until intermediate diaphragms have attained a  
24 minimum compressive strength of 2,500 psi and keyway grout has achieved a  
25 minimum compressive strength of 4000 psi.  
26

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

- 29  
30 1. Deflections shall be equalized per the Contractor's equalization plan.  
31  
32 2. Intermediate diaphragms shall be placed and weld ties shall be welded. Welding  
33 ground shall be attached directly to the steel plates being welded when welding the  
34 weld-ties.  
35  
36 3. Equalization equipment shall not be removed and other construction equipment  
37 shall not be placed on the structure until intermediate diaphragms have attained a  
38 minimum compressive strength of 2,500 psi.  
39

40 **6-02.3(26)F Prestressing Reinforcement**

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

42  
43 If the prestressing reinforcement will not be stressed and grouted for more than 7 calendar  
44 days after it is placed in the ducts, the Contractor shall place an approved corrosion  
45 inhibitor conforming to Federal Specification MIL-I-22110C in the ducts.  
46

47 **6-02.3(28) Precast Concrete Panels**

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

1  
2 WSDOT Certification will be granted at, and renewed during, the annual precast plant  
3 review and approval process in accordance with WSDOT Materials Manual M 46-01.04  
4 Standard Practice QC 7.  
5

#### 6 **6-02.4 Measurement**

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

8  
9 Expansion joint system \_\_\_ seal - superstr. will be measured by the linear foot along its  
10 completed line and slope.

11  
12 Expansion joint modification will be measured by the linear foot of expansion joint modified  
13 along its completed line and slope.

14  
15 Prestressed concrete girder will be measured by the linear foot of girder specified in the  
16 Proposal.  
17

#### 18 **6-02.5 Payment**

19 In the paragraph following the bid item "Commercial Concrete", per cubic yard the second  
20 sentence is revised to read:

21  
22 All costs in connection with concrete curing, producing concrete surface finish with form  
23 liners, and furnishing and applying pigmented sealer to concrete surfaces as specified,  
24 shall be included in the unit contract price per cubic yard for "Conc. Class \_\_\_\_".  
25

26 The following new paragraph is inserted after the bid item "Superstructure (name bridge)", lump  
27 sum:

28  
29 All costs in connection with constructing, finishing and removing the bridge deck test slab  
30 as specified in Section 6-02.3(10)D1 shall be included in the lump sum Contract price for  
31 "Superstructure \_\_\_" or "Bridge Deck \_\_\_" for one bridge in each project, as applicable.  
32

33 In the paragraph following the bid item "Epoxy-Coated St. Reinf. Bar \_\_\_", per pound, the first  
34 sentence is revised to read:

35  
36 Payment for reinforcing steel shall include the cost of drilling holes in concrete for, and  
37 setting, steel reinforcing bar dowels with epoxy bonding agent, and furnishing, fabricating,  
38 placing, and splicing the reinforcement.  
39

40 The bid item "Cure Box", lump sum and paragraph following bid item are deleted.

41  
42 The following three new bid items are inserted before the bid item "Bridge Approach Slab", per  
43 square yard:

44  
45 "Expansion Joint System \_\_\_\_ - Superstr.", per linear foot.

46  
47 "Expansion Joint Modification - \_\_\_\_", per linear foot.

48  
49 "Prestressed Conc. Girder \_\_\_", per linear foot.  
50

1 **Section 6-06, Bridge Railings**  
2 **January 5, 2015**

3 **6-06.3(2) Metal Railings**

4 The second paragraph is revised to read:

5  
6 Before fabricating the railing, the Contractor shall submit Type 2 Working Drawings  
7 consisting of the shop plans. The Contractor may substitute other rail connection details for  
8 those shown in the Plans if details of these changes show in the shop plans and if the  
9 Engineer accepts them in the Working Drawing response comments. In reviewing the shop  
10 plan Working Drawings, the Engineer indicates only that they are adequate and complete  
11 enough. The review does not indicate a check on dimensions.  
12

13 **Section 6-07, Painting**  
14 **January 5, 2015**

15 **6-07.3 Painting**

16 This section is supplemented with the following new subsections:

17  
18 **6-07.3(14) Metallic Coatings**

19  
20 **6-07.3(14)A General Requirements**

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

23  
24 The coating system consists of surface preparation by wash cleaning and abrasive  
25 blast cleaning, thermal spray application of a metallic coating using a material made  
26 specifically for that purpose, and, when specified, shop primer coat or shop primer coat  
27 plus top coat in accordance with Section 6-07.3(11)A. The system also includes  
28 inspection and acceptance requirements.  
29

30 **6-07.3(14)B Reference Standards**

31 SSPC-SP 10/NACE No. 2 Near White Blast Cleaning  
32 SSPC CS 23.00 Guide for Thermal Spray Metallic Coating Systems  
33 ASTM-C-633 Standard Test Method for Adhesion or Cohesion Strength  
34 of Thermal Spray Coatings  
35 ASTM D 4417 Standard Test Methods for Field Measurement of Surface  
36 Profile of Blast-Cleaned Steel  
37 ASTM D 6386 Standard Practice for Preparation of Zinc (Hot-Dip  
38 Galvanized) Coated Iron and Steel Product and Hardware  
39 Surfaces for Painting  
40 ASTM D 4541 Standard Test Method for Pull-Off Strength of Coatings  
41 Using Portable Adhesion Testers  
42 ANSI/AWS C2.18 Guide for the Protection of Steel with Thermal Sprayed  
43 Coatings of Aluminum, Zinc and their Alloys and  
44 Composites  
45

46 **6-07.3(14)C Quality Assurance**

47 A representative sample of each lot of the coating material used shall be submitted to  
48 the Engineer for analysis prior to use. Zinc shall have a minimum purity of 99.9  
49 percent. Zinc Aluminum 85/15 wire shall be 14 percent minimum to 16 percent  
50 maximum aluminum.

1  
2 The thermal sprayed coating shall have a uniform appearance. The coating shall not  
3 contain any blisters, cracks, chips or loosely adhering particles, oil or other surface  
4 contaminants, nodules, or pits exposing the substrate.  
5

6 The thermal spray coating shall adhere to the substrate with a minimum bond of 700  
7 psi. The Contractor's QA program shall include thermal spray coating bond testing.  
8

9 The Engineer may cut through the coating with a knife or chisel. If upon doing so, any  
10 part of the coating lifts away from the base metal 1/4 in. or more ahead of the cutting  
11 blade without cutting the metal, then the bond is considered not effective and is  
12 rejected.  
13

14 Coated areas which have been rejected or damaged in the inspection procedure  
15 described shall have the defective sections blast cleaned to remove all of the thermal  
16 sprayed coating and shall then be recoated. Before resubmittal and inspection, those  
17 sections where coating has not reached the required thickness shall be sprayed with  
18 additional metal until that thickness is achieved.  
19

#### 20 **6-07.3(14)D Submittals**

21 The Contractor shall submit to the Engineer, prior to abrasive blast cleaning, a 12 inch  
22 square steel plate, of the same material and approximate thickness of the steel to be  
23 coated, blasted clean in accordance with Section 6-07.3(14)E. The sample plate will  
24 be checked for specified angular surface pattern, the abrasive grit size and type used,  
25 and the procedure used. This plate shall be used as the visual standard to determine  
26 the acceptability of the cleaned surface. In the event the Contractor's cleaning  
27 operation is inferior to the sample plate, the Contractor shall be required to correct the  
28 cleaning operation to do a job comparable to the specimen submitted.  
29

30 At the same time as submitting the abrasive blast cleaned steel plate sample, the  
31 Contractor shall submit to the Engineer, a second 12 inch square steel plate of the  
32 same material and thickness, cleaned and thermal spray coated in accordance with  
33 the same processes and with the same equipment as intended for use in applying the  
34 thermal spray coatings. The Engineer may request additional cleaned and thermal  
35 spray coated samples to be produced and submitted coincident with thermal spray  
36 coating of the items specified in the Plans to receive thermal spray coatings.  
37

#### 38 **6-07.3(14)E Surface Preparation**

39 Surface irregularities (e.g., sharp edges and/or carburized edges, cracks,  
40 delaminations, pits, etc.) interfering with the application of the coating shall be removed  
41 or repaired, prior to wash cleaning. Thermal cut edges shall be ground to reduce  
42 hardness to attain the surface profile required from abrasive blast cleaning.  
43

44 All dirt, oil, scaling, etc. shall be removed prior to blast cleaning. All surfaces shall be  
45 wash cleaned with either clean water at 8000 psi or water and detergent at 2000 psi  
46 with two rinses with clean water.  
47

48 The surface shall be abrasive blast cleaned to near white metal (SSPC-SP 10). The  
49 surface profile shall be measured using a surface profile comparator, replica tape, or  
50 other method suitable for the abrasive being used in accordance with ASTM D 4417.  
51

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

- 1
- 2
- 3 1. Aluminum oxide or silicon carbide  
mesh size: SAE G-25 to SAE G-40
- 4
- 5 2. Hardened steel grit  
6 mesh size: SAE G-25 to SAE G-40
- 7
- 8 3. Garnet, flint, or crushed nickel or black beauty coal slag  
9 mesh size: SAE G-25 to SAE G-50

10  
11 Where zinc coatings greater than 0.010 inch thick are to be applied, one of the  
12 following abrasive grits shall be used with pressure blast equipment to produce a 5.0  
13 mils AA anchor tooth pattern:

- 14
- 15 1. Aluminum oxide or silicon carbide  
16 mesh size: SAE G-18 to SAE G-25
- 17
- 18 2. Hardened steel grit  
19 mesh size: SAE G-18 to SAE G-25
- 20
- 21 3. Garnet, flint, or crushed nickel or black beauty coal slag  
22 mesh size: SAE G-18 to SAE G-25
- 23

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

- 26
- 27 1. With aluminum oxide, silicon carbide, flint, or slag - 50 psi minimum and 60 psi  
28 maximum.
- 29
- 30 2. With garnet or steel grit - 75 psi minimum.
- 31

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

- 34
- 35 1. With aluminum oxide, silicon carbide, flint, or slag - 75 psi maximum.
- 36
- 37 2. With garnet or steel grit - 90 psi maximum.
- 38

39 The abrasive blast stream shall be directed onto the substrate surface at a spray angle  
40 of 75 to 90 degrees, and moved side to side. The nozzle to substrate distance shall be  
41 4 to 12 inches.

#### 42 43 **6-07.3(14)F Application of Metallic Coating**

44 No surface shall be sprayed which shows any sign of condensed moisture or which  
45 does not comply with Section 6-07.3(14)E. If rust bloom occurs within the holding time  
46 between abrasive blast cleaning and thermal spraying, the surface shall be reblasted  
47 at a blast angle as close to perpendicular to the surface as possible to achieve a 2.0 to  
48 4.0 mil anchor tooth pattern. Thermal spraying shall not take place when the relative  
49 humidity is 90% or greater, when the steel temperature is less than 5°F above the dew  
50 point, or when the air or steel temperature is less than 40°F.

51  
52 Clean, dry air shall be used with not less than 50 psi air pressure at the air regulator.  
53 Not more than 50 feet of 3/8 in. ID hose shall be used between the air regulator and  
54 the metallizing gun. The metallizing gun shall be started and adjusted with the spray

1 directed away from the work. During the spraying operation and depending upon the  
2 equipment being used, the gun shall be held as close to perpendicular as possible to  
3 the surface from 5 to 8 inches from the surface of the work.  
4

5 Manual spraying shall be done in a block pattern, typically 2 feet by 2 feet square. The  
6 sprayed metal shall overlap on each pass to ensure uniform coverage. The specified  
7 thickness of the coating shall be applied in multiple layers. In no case are fewer than  
8 two passes of thermal spraying, overlapping at right angles, acceptable.  
9

10 At least one single layer of coating shall be applied within 4 hours of blasting and the  
11 surface shall be completely coated to the specified thickness within 8 hours of blasting.  
12

13 The minimum coating thickness shall be 6 mils unless otherwise shown in the Plans.  
14

#### 15 **6-07.3(14)G Applications of Shop Coats and Field Coats**

16 The surface shall be wiped clean with solvent immediately before applying the wash  
17 primer. The wash primer shall have a low viscosity appropriate for absorption into the  
18 thermal spray coating, and shall be applied within 8 hours after completion of thermal  
19 spraying or before oxidation occurs. The dry film thickness of the wash primer shall  
20 not exceed 0.5 mils or be less than 0.3 mils. It shall be applied using an appropriate  
21 spray gun except in those areas where brush or roller application is necessary. The  
22 subsequent shop primer or field coats shall be applied no less than one-half hour after  
23 a wash primer.  
24

25 The shop primer coat, when specified, shall be applied in accordance with Section 6-  
26 07.3(11)A and the paint manufacturer's recommendations.  
27

28 All field coats, when specified, shall be applied in accordance with Section 6-07.3(11)A  
29 and the paint manufacturer's recommendations. The color of the top coat shall  
30 conform to Section 6-03.3(30) as supplemented in these Special Provisions.  
31

#### 32 **6-07.3(2) Submittals**

33 The first paragraph is revised to read:  
34

35 The Contractor shall submit Type 2 Working Drawings of the painting plan.  
36

#### 37 **6-07.3(10)A Containment**

38 The second paragraph is revised to read:  
39

40 The containment length shall not exceed the length of a span (defined as pier to pier). The  
41 containment system shall not cause any damage to the existing structure. All clamps and  
42 other attachment devices shall be padded or designed such that they shall not mark or  
43 otherwise damage the steel member to which they are attached. All clamps and other  
44 attachment devices shall be fully described in the Contractor's painting plan Working  
45 Drawing submittal. Field welding of attachments to the existing structure will not be  
46 allowed. The Contractor shall not drill holes into the existing structure or through existing  
47 structural members except as shown in the Contractor's painting plan Working Drawing  
48 submittal. All provisions for dust collection, ventilation and auxiliary lighting within the  
49 containment system shall be fully described the Contractor's painting plan Working Drawing  
50 submittal.  
51

52 In the second to last paragraph, "approved" is revised to read "accepted".  
53

1 **6-07.3(10)E Surface Preparation – Full Paint Removal**

2 This section is revised to read:

3  
4 For structures where full removal of existing paint is specified, the Contractor shall remove  
5 any visible oil, grease, and road tar in accordance with SSPC-SP 1.  
6

7 Following preparation by SSPC-SP 1, all steel surfaces to be painted shall be prepared in  
8 accordance with SSPC-SP 10, near-white metal blast cleaning. Surfaces inaccessible to  
9 near-white metal blast cleaning shall be prepared in accordance with SSPC-SP 11, power  
10 tool cleaning to bare metal, as allowed by the Engineer.  
11

12 **6-07.3(10)F Collecting, Testing and Disposal of Containment Waste**

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

15  
16 The sealed waste containers shall be stored in accordance with Section 1-06.4, the  
17 painting plan, and the following requirements:  
18

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

20  
21 All material collected by and removed from the containment system shall be taken to a  
22 landside staging area, provided by the Contractor, for further processing and storage prior  
23 to transporting for disposal.  
24

25 The ninth paragraph is revised to read:

26  
27 The Contractor shall submit a Type 1 Working Drawing of all TCLP results.  
28

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

30  
31 The Contractor shall submit a Type 1 Working Drawing consisting of waste disposal  
32 documentation within 15 working days of each disposal.  
33

34 **6-07.3(10)K Coating Thickness**

35 The last paragraph is revised to read:

36  
37 If the specified number of coats does not produce a combined dry film thickness of at least  
38 the sum of the thicknesses required per coat, or if an individual coat does not meet the  
39 minimum thickness, or if visual inspection shows incomplete coverage, the coating system  
40 will be rejected, and the Contractor shall discontinue painting and surface preparation  
41 operations and shall submit a Type 2 Working Drawing of the repair proposal. The repair  
42 proposal shall include documentation demonstrating the cause of the less than minimum  
43 thickness along with physical test results, as necessary, and modifications to work methods  
44 to prevent similar results. The Contractor shall not resume painting or surface preparation  
45 operations until receiving the Engineer's acceptance of the completed repair.  
46

47 **6-07.3(10)L Environmental Condition Requirements Prior to Application of Paint**

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

49  
50 If a paint system manufacturer's recommendations allow for application of a paint under  
51 environmental conditions other than those specified, the Contractor shall submit a Type 2  
52 Working Drawing consisting of a letter from the paint manufacturer specifying the  
53 environmental conditions under which the paint can be applied.  
54

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

2  
3 **6-07.3(11)B1 Submittals**

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

5  
6 The Contractor shall submit Type 2 Working Drawings consisting of the following  
7 information:

8  
9 **6-07.3(11)B3 Galvanized Surface Cleaning and Preparation**

10 The first paragraph is revised to read:

11  
12 Galvanized surfaces receiving the powder coating shall be cleaned and prepared for  
13 coating in accordance with ASTM D 6386, and the project-specific powder coating plan.

14  
15 **6-07.3(11)B4 Powder Coating Application and Curing**

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

17  
18 After surface preparation, the two-component powder coating shall be applied in  
19 accordance with the powder coating manufacturer's recommendations, the project-specific  
20 powder coating plan, and as follows:

21  
22 **6-07.3(11)B5 Testing**

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

24  
25 The second paragraph is revised to read:

26  
27 The results of the QC testing shall be documented in a QC report, and submitted as a Type  
28 2 Working Drawing.

29  
30 In the fourth paragraph, the phrase "as approved by the Engineer" is deleted.

31  
32 In the last paragraph, "Engineer's approval" is revised to read "Engineer's acceptance".

33  
34 **6-07.3(11)B6 Coating Protection for Shipping**

35 The phrase "as approved by the Engineer" is deleted from this section.

36  
37 The first sentence of the last paragraph is revised to read:

38  
39 After erection, all coating damage due to the Contractor's shipping, storage, handling, and  
40 erection operations shall be repaired by the Contractor in accordance with the project-  
41 specific powder coating plan.

42  
43 **6-07.5 Payment**

44 The following new paragraph is inserted before the last paragraph:

45  
46 All costs in connection with producing the metallic coatings as specified shall be included in  
47 the unit contract price for the applicable item or items of work.

1 **Section 8-11, Guardrail**  
2 **April 7, 2014**

3 **8-11.3(1) Beam Guardrail**

4  
5  
6  
7

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 **8-11.3(1)F Removing and Resetting Beam Guardrail**

9 The Contractor shall remove and reset existing guardrail posts, rail element, hardware and  
10 blocks to the location shown in the Plans. The mounting height of reset rail element shall  
11 be at the height shown in the Plans. The void caused by the removal of the post shall be  
12 backfilled and compacted.

13  
14 The Contractor shall remove and replace any existing guardrail posts and blocks that are  
15 not suited for re-use, as staked by the Engineer. The void caused by the removal of the  
16 post shall be backfilled and compacted. The Contractor shall then furnish and install a new  
17 guardrail post to provide the necessary mounting height.

18

19 **8-11.3(1)A Erection of Posts**

20 The second paragraph in this section is deleted.

21

22 **8-11.3(1)C Terminal and Anchor Installation**

23 The last sentence in the last paragraph is deleted.

24

25 **8-11.3(1)F Plans**

26 This section number is revised to:

27

28 **8-11.3(1)G**

29

30 **8-11.3(1)G Guardrail Construction Exposed to Traffic**

31 This section number is revised to:

32

33 **8-11.3(1)H**

34

35 **Section 9-03, Aggregates**

36 **April 6, 2015**

37 **9-03.1(2)C Use of Substandard Gradings**

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

39

40 **Vacant**

41

42 **9-03.1(4)C Grading**

43 In the second paragraph, the first sentence is deleted.

44

45 The third paragraph is deleted.

46

47 **9-03.1(5)B Grading**

48 The last paragraph is revised to read:

49

1 The Contracting Agency may sample each aggregate component prior to introduction to the  
2 weigh batcher or as otherwise determined by the Engineer. Each component will be sieve  
3 analyzed separately in accordance with WSDOT FOP for WAQTC/AASHTO Test Method T-  
4 27/11. All aggregate components will be mathematically re-combined by the proportions  
5 (percent of total aggregate by weight) provided by the Contractor on Concrete Mix Design  
6 Form 350-040.

### 8 **9-03.8(1) General Requirements**

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

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

14 The list in the first paragraph is supplemented with the following:

16 Sand Equivalent                      45 min.

18 The following new paragraph is inserted after the first paragraph:

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

### 23 **9-03.8(2) HMA Test Requirements**

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

26 The mix design shall produce HMA mixtures when combined with RAP, RAS, coarse and  
27 fine aggregate within the limits set forth in Section 9-03.8(6) and mixed in the laboratory  
28 with the designated grade of asphalt binder, using the Superpave gyratory compactor in  
29 accordance with WSDOT FOP for AASHTO T 312, and at the required gyrations for N  
30 initial, N design, and N maximum with the following properties:

32 The third paragraph is revised to read:

34 The mix criteria for Hamburg Wheel-Track Testing and Indirect Tensile Strength do not  
35 apply to HMA accepted by commercial evaluation.

### 37 **9-03.8(3)B Gradation – Recycled Asphalt Pavement and Mineral Aggregate**

38 This section is supplemented with the following:

40 For HMA with greater than 20 percent RAP by total weight of HMA the RAP shall be  
41 processed to ensure that 100 percent of the material passes a sieve twice the size of the  
42 maximum aggregate size for the class of mix to be produced.

44 When any amount of RAS is used in the production of HMA the RAS shall be milled,  
45 crushed or processed to ensure that 100 percent of the material passes the ½ inch sieve.  
46 Extraneous materials in RAS such as metals, glass, rubber, soil, brick, tars, paper, wood  
47 and plastic shall not exceed 2.0 percent by mass as determined on material retained on the  
48 No. 4 sieve.

### 50 **9-03.14(3) Common Borrow**

51 This section is revised to read:

1 Material for common borrow shall consist of granular or nongranular soil and/or aggregate  
2 which is free of deleterious material. Deleterious material includes wood, organic waste,  
3 coal, charcoal, or any other extraneous or objectionable material. The material shall not  
4 contain more than 3 percent organic material by weight. The plasticity index shall be  
5 determined using test method AASHTO T 89 and AASHTO T 90.  
6

7 The material shall meet one of the options in the soil plasticity table below.  
8

9 Soil Plasticity Table  
10

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

11 All percentages are by weight.

12  
13 If requested by the Contractor, the plasticity index may be increased with the approval of  
14 the Engineer.  
15

16 **9-03.14(4) Gravel Borrow for Structural Earth Wall**

17 In the second table, the row beginning with "pH" is revised to read:  
18

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

19  
20 **9-03.21(1) General Requirements**

21 The following new paragraph is inserted after the second paragraph:  
22

23 Reclaimed asphalt shingles samples shall contain less than the maximum percentage of  
24 asbestos fibers based on testing procedures and frequencies established in conjunction  
25 with the specifying jurisdiction and state or federal environmental regulatory agencies.  
26

27 **Section 9-08, Paints and Related Materials**

28 **January 5, 2015**

29 **9-08.1(2)H Top Coat, Single Component, Moisture-Cured Polyurethane**

30 The second paragraph is revised to read:  
31

32 Color and Gloss: As specified in the Plans or Special Provisions  
33

34 The last item in the requirements list is revised to read:  
35

36 The top coat shall be a gloss or semi-gloss  
37

38 **9-08.1(8) Standard Colors**

39 The second paragraph is deleted.

1  
2 The third paragraph is revised to read:

3  
4 Unless otherwise specified, all top or finish coats shall be gloss or semi-gloss, with the  
5 paint falling within the range of greater than 70 for gloss and 35 to 70 for semi-gloss on the  
6 60-degree gloss meter.  
7

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

10 **9.14.1 Soil**

11 This section, including title, is revised to read:

12  
13 **9-14.1 Topsoil**

14 Topsoil shall not contain any recycled material, foreign materials, or any listed Noxious and  
15 Nuisance weeds of any Class designated by authorized State or County officials. Aggregate  
16 shall not comprise more than 10% by volume of Topsoil and shall not be greater than two  
17 inches in diameter.  
18

19 **9-14.1(2) Topsoil Type B**

20 The last sentence of the second paragraph is deleted.  
21

22 **9-14.2 Seed**

23 This section is revised to read:

24  
25 Seed of the type specified shall be certified in accordance with WAC 16-302. Seed mixes  
26 shall be commercially prepared and supplied in sealed containers. The labels shall show:

- 27  
28 (1) Common and botanical names of seed  
29  
30 (2) Lot number  
31  
32 (3) Net weight  
33  
34 (4) Pounds of Pure live seed (PLS) in the mix  
35  
36 (5) Origin of seed  
37

38 All seed vendors must have a business license issued by supplier's state or provincial  
39 Department of Licensing with a "seed dealer" endorsement.  
40

41 **9-14.4(3) Bark or Wood Chips**

42 This section's title is revised to read:

43  
44 **Bark or Wood Chip Mulch**  
45

46 The first paragraph is revised to read:

47  
48 Bark or wood chip mulch shall be derived from fir, pine, or hemlock species. It shall not  
49 contain resin, tannin, or other compounds in quantities that would be detrimental to plant  
50 life. Sawdust shall not be used as mulch. Mulch produced from finished wood products or  
51 construction debris will not be allowed.

1  
2 **9-14.4(6) Gypsum**

3 The first sentence is revised to read:

4  
5 Gypsum shall consist of Calcium Sulfate ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ) in a pelletized or granular form.  
6

7 **9-14.4(7) Tackifier**

8 This section is revised to read:

9  
10 Tackifiers are used as a tie-down for soil, compost, seed, and/or mulch. Tackifiers shall  
11 contain no growth or germination-inhibiting materials and shall not reduce infiltration rates.  
12 Tackifiers shall hydrate in water and readily blend with other slurry materials.  
13

14 The Contractor shall provide test results documenting the tackifier meets the requirements  
15 for Acute Toxicity, Solvents, and Heavy Metals as required in Table 1 in Section 9-14.4(2).  
16 The tests shall be performed at the manufacturer's recommended application rate.  
17

18 **9-14.4(8) Compost**

19 The second paragraph is revised to read:

20  
21 Compost production and quality shall comply with WAC 173-350.  
22

23 **9-14.4(8)A Compost Submittal Requirements**

24 Item 2 is revised to read:

- 25  
26 2. A copy of the Solid Waste Handling Permit issued to the manufacturer by the  
27 Jurisdictional Health Department in accordance with WAC 173-350 (Minimum  
28 Functional Standards for Solid Waste Handling).  
29

30 **9-14.6(1) Description**

31 Item number 3 in the fourth paragraph is revised to read:

- 32  
33 3. Live pole cuttings shall have a diameter between 2 inches and 3.5 inches. Live poles  
34 shall have no more than three branches which must be located at the top end of the  
35 pole and those branches shall be pruned back to the first bud from the main stem.  
36

37 **9-14.6(2) Quality**

38 The second and third paragraphs in this section are revised to read:

39  
40 All plant material shall comply with State and Federal laws with respect to inspection  
41 for plant diseases and insect infestation. Plants must meet Washington State Department  
42 of Agriculture plant quarantines and have a certificate of inspection. Plants originating in  
43 Canada must be accompanied by a phytosanitary certificate stating the plants meet USDA  
44 health requirements.  
45

46 All plant material shall be purchased from a nursery licensed to sell plants in their state or  
47 province.  
48

1 **Section 9-31, Elastomeric Bearing Pads**  
2 **August 4, 2014**

3 This section's title is revised to read:

4  
5  
6

**Elastomeric Pads**

7 **9-31.1 Requirements**

8 In the first paragraph, the word "bearing" is deleted from the first sentence.

9

10 In the first sentence of the second paragraph, the word "bearing" is deleted and replaced with  
11 "elastomeric".

12

13 In the last sentence of the second paragraph, the word "Bearing" is deleted and replaced with  
14 "Elastomeric".

15

16 In the third paragraph, the word "bearing" is deleted and replaced with the word "elastomeric".

17

18 **Section 9-34, Pavement Marking Material**  
19 **January 5, 2015**

20 **9-34.2 Paint**

21 The second paragraph is revised to read:

22

23 Blue and black paint shall comply with the requirements of yellow paint in Section 9-34.2(4)  
24 and Section 9-34.2(5), with the exception that blue and black paints do not need to meet  
25 the requirements for titanium dioxide, directional reflectance, and contrast ratio.

26

27 **9-34.4 Glass Beads for Pavement Marking Materials**

28 In the third paragraph, the table titled "Metal Concentration Limits" is revised to read:

29

<b>Metal Concentration Limits</b>		
<b>Element</b>	<b>Test Method</b>	<b>Max. Parts Per Million (ppm)</b>
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

30

31

32 **9-34.5 Temporary Pavement Marking Tape**

33 This section is revised to read:

34

35 Biodegradable tape with paper backing is not allowed.

36

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

38

39 **9-34.5(1) Temporary Pavement Marking Tape – Short Duration**

1 Temporary pavement marking tape for short duration shall conform to ASTM D4592 Type II  
2 except that black tape, black mask tape and the black portion of the contrast removable  
3 tape, shall be non-reflective.  
4

5 **9-34.5(2) Temporary Pavement Marking Tape – Long Duration**

6 Temporary pavement marking tape for long duration shall conform to ASTM D4592 Type I.  
7 Temporary pavement marking tape for long duration, except for black tape, shall have a  
8 minimum initial coefficient of retroreflective luminance of  $200 \text{ mcd} \cdot \text{m}^{-2} \cdot \text{lx}^{-1}$  when measured  
9 in accordance with ASTM E 2832 or ASTM E 2177. Black tape, black mask tape and the  
10 black portion of the contrast removable tape, shall be non-reflective.  
11

12 **9-34.6 Temporary Raised Pavement Markers**

13 This section's title is revised to read:

14 **Temporary Flexible Raised Pavement Markers**

15  
16  
17 The second paragraph is deleted.  
18

19 **Section 9-35, Temporary Traffic Control Materials**  
20 **August 4, 2014**

21 **9-35.0 General Requirements**

22 The following item is deleted from the list of temporary traffic control materials:

23  
24 Barrier Drums  
25

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

27  
28 Certification for crashworthiness according to NCHRP 350 or the Manual for Assessing  
29 Safety Hardware (MASH) will be required as described in Section 1-10.2(3).  
30

31 **9-35.2 Construction Signs**

32 The first sentence is revised to read:

33  
34 Construction signs shall conform to the requirements of the MUTCD and shall meet the  
35 requirements of NCHRP Report 350 for Category 2 devices or MASH.  
36

37 **9-35.7 Traffic Safety Drums**

38 The third paragraph is revised to read:

39  
40 Drums and light units shall meet the crashworthiness requirements of NCHRP 350 or  
41 MASH as described in Section 1-10.2(3).  
42

43 **9-35.8 Barrier Drums**

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

45  
46 **9-35.8 Vacant**  
47

48 **9-35.12 Transportable Attenuator**

49 In the first paragraph, the fourth sentence is revised to read:  
50

1 The Contractor shall provide certification that the transportable attenuator complies with  
2 NCHRP 350 Test level 3 or MASH Test Level 3 requirements.

3

4 **9-35.13 Tall Channelizing Devices**

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

6

7 The method of attachment must ensure that the light does not separate from the device  
8 upon impact and light units shall meet the crashworthiness requirements of NCHRP 350 or  
9 MASH as described in Section 1-10.2(3).

10

11

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1 **SPECIAL PROVISIONS**

2  
3 The following Special Provisions are made a part of this contract and supersede any  
4 conflicting provisions of the 2014 Standard Specifications for Road, Bridge, and Municipal  
5 Construction, and the foregoing Amendments to the Standard Specifications.

6  
7 Several types of Special Provisions are included in this contract; General, Region, Bridges  
8 and Structures, and Project Specific. Special Provisions types are differentiated as follows:

- 9
- 10 (date) General Special Provision
- 11 (\*\*\*\*\*)
- 12 Notes a revision to a General Special Provision
- 13 and also notes a Project Specific Special
- 14 (Regions<sup>1</sup> date) Region Special Provision
- 15 (BSP date) Bridges and Structures Special Provision

16  
17 **General Special Provisions** are similar to Standard Specifications in that they typically  
18 apply to many projects, usually in more than one Region. Usually, the only difference from  
19 one project to another is the inclusion of variable project data, inserted as a "fill-in".

20  
21 **Region Special Provisions** are commonly applicable within the designated Region.  
22 Region  
23 designations are as follows:

24		
25	<u>Regions<sup>1</sup></u>	
26	ER	Eastern Region
27	NCR	North Central Region
28	NWR	Northwest Region
29	OR	Olympic Region
30	SCR	South Central Region
31	SWR	Southwest Region
32		
33	WSF	Washington State Ferries Division
34		

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

39  
40 **Project Specific Special Provisions** normally appear only in the contract for which  
41 they were developed.

42  
43  
44 **DIVISION 1 GENERAL REQUIREMENTS**

45  
46 **DESCRIPTION OF WORK**

47  
48 (\*\*\*\*\*)  
49 This contract provides for the reconstruction of 5.14 miles of two lane county road in  
50 Grant County, WA, and includes roadway excavation, embankment compaction,  
51 drainage items, crushed surfacing base course, maintenance rock, bridge, hot mix  
52 asphalt, paint striping, permanent signing, seeding and fertilizing, and other work in

1 accordance with the attached Contract Plans, these Contract Provisions and the  
2 Standard Specifications.

## 3 4 **DEFINITIONS AND TERMS**

### 5 6 **1-01.3 Definitions**

7 *(March 8, 2013 APWA GSP)*  
8

9 Delete the heading **Completion Dates** and the three paragraphs that follow it, and replace them  
10 with the following:  
11

#### 12 **Dates**

##### 13 ***Bid Opening Date***

14 The date on which the Contracting Agency publicly opens and reads the Bids.

##### 15 ***Award Date***

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

##### 18 ***Contract Execution Date***

19 The date the Contracting Agency officially binds the Agency to the Contract.

##### 20 ***Notice to Proceed Date***

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

##### 22 ***Substantial Completion Date***

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

##### 28 ***Physical Completion Date***

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

##### 32 ***Completion Date***

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

##### 37 ***Final Acceptance Date***

38 The date on which the Contracting Agency accepts the Work as complete.  
39

40 Supplement this Section with the following:

41  
42 All references in the Standard Specifications, Amendments, or WSDOT General Special  
43 Provisions, to the terms "State", "Department of Transportation", "Washington State  
44 Transportation Commission", "Commission", "Secretary of Transportation", "Secretary",  
45 "Headquarters", and "State Treasurer" shall be revised to read "Contracting Agency".

46  
47 All references to "State Materials Laboratory" shall be revised to read "Contracting Agency  
48 designated location".  
49

1 All references to "final contract voucher certification" shall be interpreted to mean the final  
2 payment form established by the Contracting Agency.

3  
4 The venue of all causes of action arising from the advertisement, award, execution, and  
5 performance of the contract shall be in the Superior Court of the County where the  
6 Contracting Agency's headquarters are located.

7  
8 **Additive**

9 A supplemental unit of work or group of bid items, identified separately in the Bid Proposal,  
10 which may, at the discretion of the Contracting Agency, be awarded in addition to the base  
11 bid.

12  
13 **Alternate**

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

17  
18 **Business Day**

19 A business day is any day from Monday through Friday except holidays as listed in Section  
20 1-08.5.

21  
22 **Contract Bond**

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

26  
27 **Contract Documents**

28 See definition for "Contract".  
29

30 **Contract Time**

31 The period of time established by the terms and conditions of the Contract within which the  
32 Work must be physically completed.  
33

34 **Notice of Award**

35 The written notice from the Contracting Agency to the successful Bidder signifying the  
36 Contracting Agency's acceptance of the Bid Proposal.  
37

38 **Notice to Proceed**

39 The written notice from the Contracting Agency or Engineer to the Contractor authorizing  
40 and directing the Contractor to proceed with the Work and establishing the date on which  
41 the Contract time begins.  
42

43 **Traffic**

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

46  
47 **BID PROCEDURES AND CONDITIONS**

48  
49 **1-02.1 Prequalification of Bidders**

50 Delete this Section and replace it with the following:  
51

1 1-02.1 Qualifications of Bidder

2  
3 (\*\*\*\*\*)

4 Bidders must meet the minimum qualifications of RCW 39.04.350(1), as  
5 amended:

6  
7 Before award of a public works contract, a bidder must meet the following  
8 responsibility criteria to be considered a responsible bidder and qualified to be  
9 awarded a public works project. The bidder must:

- 10 (a) At the time of bid submittal, have a certificate of registration in compliance
- 11 with chapter 18.27 RCW;
- 12 (b) Have a current state unified business identifier number;
- 13 (c) If applicable, have industrial insurance coverage for the bidder's employees
- 14 working in Washington as required in Title 51 RCW; an employment security
- 15 department number as required in Title 50 RCW; and a state excise tax
- 16 registration number as required in Title 82 RCW; and
- 17 (d) Not be disqualified from bidding on any public works contract under RCW
- 18 39.06.010 or 39.12.065(3).
- 19 (e) Bidders shall be qualified by experience, financing, equipment, and
- 20 organization to do the work called for in the Contract Documents. The
- 21 Contracting Agency reserves the right to take whatever action it deems
- 22 necessary to ascertain the ability of the bidder to perform the work
- 23 satisfactorily. The Contracting Agency's actions may include a pre-
- 24 qualification procedure prior to the bidder being furnished a proposal form on
- 25 any contract, or a pre-award survey of the bidder's qualifications prior to
- 26 award.
- 27
- 28

29 This Contract requires Work inside the Burlington Northern Santa Fe Railroad. Strict  
30 requirements, notification, and timelines associated with Work on Railroad Right of Way  
31 as outlined in these special provisions and the appendices shall be adhered to.

32  
33 **1-02.2 Plans and Specifications**

34 *(June 27, 2011 APWA GSP)*

35  
36 Delete this section and replace it with the following:

37  
38 Information as to where Bid Documents can be obtained or reviewed can be found in the  
39 Call for Bids (Advertisement for Bids) for the work.

40  
41 After award of the contract, plans and specifications will be issued to the Contractor at no  
42 cost as detailed below:

To Prime Contractor	No. of Sets	Basis of Distribution
Reduced plans (11" x 17")	4	Furnished automatically upon award.

Contract Provisions	4	Furnished automatically upon award.
Large plans (e.g., 22" x 34")	0	Furnished only upon request.

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

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

Delete this section and replace it with the following:

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

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

**1-02.6 Preparation of Proposal**  
(June 27, 2011 APWA GSP)

Supplement the second paragraph with the following:

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

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

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

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

A bid by a partnership shall be executed in the partnership name, and signed by a partner. A copy of the partnership agreement shall be submitted with the Bid Form if any D/M/WBE requirements are to be satisfied through such an agreement.

1 A bid by a joint venture shall be executed in the joint venture name and signed by a member  
2 of the joint venture. A copy of the joint venture agreement shall be submitted with the Bid  
3 Form if any D/W/MBE requirements are to be satisfied through such an agreement.  
4

5 (August 2, 2004)

6 The fifth and sixth paragraphs of Section 1-02.6 are deleted.  
7

### 8 **1-02.7 Bid Deposit**

9 *(March 8, 2013 APWA GSP)*

10  
11 Supplement this section with the following:

12  
13 Bid bonds shall contain the following:

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

24  
25 If so stated in the Contract Provisions, bidder must use the bond form included in the  
26 Contract Provisions.

27  
28 If so stated in the Contract Provisions, cash will not be accepted for a bid deposit.  
29

### 30 **1-02.9 Delivery of Proposal**

31 *(August 15, 2012 APWA GSP, Option A)*

32  
33 Delete this section and replace it with the following:

34  
35 Each proposal shall be submitted in a sealed envelope, with the Project Name and Project  
36 Number as stated in the Call for Bids clearly marked on the outside of the envelope, or as  
37 otherwise required in the Bid Documents, to ensure proper handling and delivery.

38  
39 If the project has FHWA funding and requires DBE Written Confirmation Documents or  
40 Good Faith Effort Documentation, then to be considered responsive, the Bidder shall submit  
41 with their Bid Proposal, written Confirmation Documentation from each DBE firm listed on  
42 the Bidder's completed DBE Utilization Certification, form 272-056A EF, as required by  
43 Section 1-02.6.  
44

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

### 48 **Public Opening Of Proposals**

49 Section 1-02.12 is supplemented with the following:

50  
51 (\*\*\*\*\*)

1 *Date Of Opening Bids*

2 Sealed bids are to be received at the following location prior to the time specified:

3  
4 The Office of the Board of County Commissioners, Grant County Courthouse, Room  
5 207, 35 C St. NW, P.O. Box 37, Ephrata, WA 98823  
6

7 The bid opening date for this project is **May 19, 2015**. Bids received will be publicly  
8 opened and read after **1:30 P.M.** Pacific Time on this date.  
9

10 **1-02.13 Irregular Proposals**

11 *(March 13, 2012 APWA GSP)*

12  
13 Revise item 1 to read:

- 14  
15 1. A proposal will be considered irregular and will be rejected if:
- 16 a. The Bidder is not prequalified when so required;
  - 17 b. The authorized proposal form furnished by the Contracting Agency is not used or  
18 is altered;
  - 19 c. The completed proposal form contains any unauthorized additions, deletions,  
20 alternate Bids, or conditions;
  - 21 d. The Bidder adds provisions reserving the right to reject or accept the award, or  
22 enter into the Contract;
  - 23 e. A price per unit cannot be determined from the Bid Proposal;
  - 24 f. The Proposal form is not properly executed;
  - 25 g. The Bidder fails to submit or properly complete a Subcontractor list, if applicable,  
26 as required in Section 1-02.6;
  - 27 h. The Bidder fails to submit or properly complete a Disadvantaged Business  
28 Enterprise Certification, if applicable, as required in Section 1-02.6;
  - 29 i. The Bidder fails to submit written confirmation from each DBE firm listed on the  
30 Bidder's completed DBE Utilization Certification that they are in agreement with  
31 the bidders DBE participation commitment, if applicable, as required in Section 1-  
32 02.6, or if the written confirmation that is submitted fails to meet the requirements  
33 of the Special Provisions;
  - 34 j. The Bidder fails to submit DBE Good Faith Effort documentation, if applicable, as  
35 required in Section 1-02.6, or if the documentation that is submitted fails to  
36 demonstrate that a Good Faith Effort to meet the Condition of Award was made;
  - 37 k. The Bid Proposal does not constitute a definite and unqualified offer to meet the  
38 material terms of the Bid invitation; or
  - 39 l. More than one proposal is submitted for the same project from a Bidder under  
40 the same or different names.
- 41  
42

43 **AWARD AND EXECUTION OF CONTRACT**

44  
45 **1-03.3 Execution of Contract**

46 *(October 1, 2005 APWA GSP)*

47  
48 Revise this section to read:  
49

1 Copies of the Contract Provisions, including the unsigned Form of Contract, will be available  
2 for signature by the successful bidder on the first business day following award. The number  
3 of copies to be executed by the Contractor will be determined by the Contracting Agency.  
4

5 Within **10 (ten) calendar days** after the award date, the successful bidder shall return the  
6 signed Contracting Agency-prepared contract, an insurance certification as required by  
7 Section 1-07.18, and a satisfactory bond as required by law and Section 1-03.4. Before  
8 execution of the contract by the Contracting Agency, the successful bidder shall provide any  
9 pre-award information the Contracting Agency may require under Section 1-02.15.

10 Until the Contracting Agency executes a contract, no proposal shall bind the Contracting  
11 Agency nor shall any work begin within the project limits or within Contracting Agency-  
12 furnished sites. The Contractor shall bear all risks for any work begun outside such areas  
13 and for any materials ordered before the contract is executed by the Contracting Agency.  
14

15 If the bidder experiences circumstances beyond their control that prevents return of the  
16 contract documents within ten calendar days after the award date stated above, the  
17 Contracting Agency may grant up to a maximum of 5 (five) additional calendar days for  
18 return of the documents, provided the Contracting Agency deems the circumstances warrant  
19 it.  
20

## 21 **1-03.4 Contract Bond**

22 ***(October 1, 2005 APWA GSP)***

23 Revise the first paragraph to read:

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

- 26 1. Be on a Contracting Agency-furnished form;
- 27 2. Be signed by an approved surety (or sureties) that:
  - 28 a. Is registered with the Washington State Insurance Commissioner, and
  - 29 b. Appears on the current Authorized Insurance List in the State of Washington  
30 published by the Office of the Insurance Commissioner,
- 31 3. Be conditioned upon the faithful performance of the contract by the Contractor within  
32 the prescribed time;
- 33 4. Guarantee that the surety shall indemnify, defend, and protect the Contracting  
34 Agency against any claim of direct or indirect loss resulting from the failure:
  - 35 a. Of the Contractor (or any of the employees, subcontractors, or lower tier  
36 subcontractors of the Contractor) to faithfully perform the contract, or
  - 37 b. Of the Contractor (or the subcontractors or lower tier subcontractors of the  
38 Contractor) to pay all laborers, mechanics, subcontractors, lower tier  
39 subcontractors, materialperson, or any other person who provides supplies or  
40 provisions for carrying out the work;
- 41 5. Be accompanied by a power of attorney for the Surety's officer empowered to sign  
42 the bond; and
- 43 6. Be signed by an officer of the Contractor empowered to sign official statements (sole  
44 proprietor or partner). If the Contractor is a corporation, the bond must be signed by  
45 the president or vice-president, unless accompanied by written proof of the authority  
46 of the individual signing the bond to bind the corporation (i.e., corporate resolution,  
47 power of attorney or a letter to such effect by the president or vice-president).  
48  
49  
50

1 **SCOPE OF THE WORK**

2  
3 **1-04.2 Coordination of Contract Documents, Plans, Special Provisions,**  
4 **Specifications, and Addenda**

5 *(March 13, 2012 APWA GSP)*

6  
7 Revise the second paragraph to read:

8  
9 Any inconsistency in the parts of the contract shall be resolved by following this order of  
10 precedence (e.g., 1 presiding over 2, 2 over 3, 3 over 4, and so forth):

- 11 1. Addenda,  
12 2. Proposal Form,  
13 3. Special Provisions (Including Appendices),  
14 4. Contract Plans,  
15 5. Amendments to the Standard Specifications,  
16 6. Standard Specifications,  
17 7. Contracting Agency's Standard Plans or Details (if any), and  
18 8. WSDOT Standard Plans for Road, Bridge, and Municipal Construction.

19  
20 **CONTROL OF WORK**

21  
22 **1-05.7 Removal of Defective and Unauthorized Work**

23 *(October 1, 2005 APWA GSP)*

24  
25 Supplement this section with the following:

26  
27 If the Contractor fails to remedy defective or unauthorized work within the time specified in a  
28 written notice from the Engineer, or fails to perform any part of the work required by the  
29 Contract Documents, the Engineer may correct and remedy such work as may be identified  
30 in the written notice, with Contracting Agency forces or by such other means as the  
31 Contracting Agency may deem necessary.

32  
33 If the Contractor fails to comply with a written order to remedy what the Engineer determines  
34 to be an emergency situation, the Engineer may have the defective and unauthorized work  
35 corrected immediately, have the rejected work removed and replaced, or have work the  
36 Contractor refuses to perform completed by using Contracting Agency or other forces. An  
37 emergency situation is any situation when, in the opinion of the Engineer, a delay in its  
38 remedy could be potentially unsafe, or might cause serious risk of loss or damage to the  
39 public.

40  
41 Direct or indirect costs incurred by the Contracting Agency attributable to correcting and  
42 remedying defective or unauthorized work, or work the Contractor failed or refused to  
43 perform, shall be paid by the Contractor. Payment will be deducted by the Engineer from  
44 monies due, or to become due, the Contractor. Such direct and indirect costs shall include in  
45 particular, but without limitation, compensation for additional professional services required,  
46 and costs for repair and replacement of work of others destroyed or damaged by correction,  
47 removal, or replacement of the Contractor's unauthorized work.

48  
49 No adjustment in contract time or compensation will be allowed because of the delay in the  
50 performance of the work attributable to the exercise of the Contracting Agency's rights  
51 provided by this Section.

1  
2 The rights exercised under the provisions of this section shall not diminish the Contracting  
3 Agency's right to pursue any other avenue for additional remedy or damages with respect to  
4 the Contractor's failure to perform the work as required.  
5

6 **1-05.11 Final Inspection**  
7

8 Delete this section and replace it with the following:  
9

10 **1-05.11 Final Inspections and Operational Testing**  
11 *(October 1, 2005 APWA GSP)*  
12

13 **1-05.11(1) Substantial Completion Date**  
14

15 When the Contractor considers the work to be substantially complete, the Contractor shall  
16 so notify the Engineer and request the Engineer establish the Substantial Completion Date.  
17 The Contractor's request shall list the specific items of work that remain to be completed in  
18 order to reach physical completion. The Engineer will schedule an inspection of the work  
19 with the Contractor to determine the status of completion. The Engineer may also establish  
20 the Substantial Completion Date unilaterally.  
21

22 If, after this inspection, the Engineer concurs with the Contractor that the work is  
23 substantially complete and ready for its intended use, the Engineer, by written notice to the  
24 Contractor, will set the Substantial Completion Date. If, after this inspection the Engineer  
25 does not consider the work substantially complete and ready for its intended use, the  
26 Engineer will, by written notice, so notify the Contractor giving the reasons therefor.  
27

28 Upon receipt of written notice concurring in or denying substantial completion, whichever is  
29 applicable, the Contractor shall pursue vigorously, diligently and without unauthorized  
30 interruption, the work necessary to reach Substantial and Physical Completion. The  
31 Contractor shall provide the Engineer with a revised schedule indicating when the  
32 Contractor expects to reach substantial and physical completion of the work.  
33

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

37 **1-05.11(2) Final Inspection and Physical Completion Date**  
38

39 When the Contractor considers the work physically complete and ready for final inspection,  
40 the Contractor by written notice, shall request the Engineer to schedule a final inspection.  
41 The Engineer will set a date for final inspection. The Engineer and the Contractor will then  
42 make a final inspection and the Engineer will notify the Contractor in writing of all particulars  
43 in which the final inspection reveals the work incomplete or unacceptable. The Contractor  
44 shall immediately take such corrective measures as are necessary to remedy the listed  
45 deficiencies. Corrective work shall be pursued vigorously, diligently, and without interruption  
46 until physical completion of the listed deficiencies. This process will continue until the  
47 Engineer is satisfied the listed deficiencies have been corrected.  
48

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

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

3  
4 Upon correction of all deficiencies, the Engineer will notify the Contractor and the  
5 Contracting Agency, in writing, of the date upon which the work was considered physically  
6 complete. That date shall constitute the Physical Completion Date of the contract, but shall  
7 not imply acceptance of the work or that all the obligations of the Contractor under the  
8 contract have been fulfilled.

9  
10 **1-05.11(3) Operational Testing**

11  
12 It is the intent of the Contracting Agency to have at the Physical Completion Date a  
13 complete and operable system. Therefore when the work involves the installation of  
14 machinery or other mechanical equipment; street lighting, electrical distribution or signal  
15 systems; irrigation systems; buildings; or other similar work it may be desirable for the  
16 Engineer to have the Contractor operate and test the work for a period of time after final  
17 inspection but prior to the physical completion date. Whenever items of work are listed in the  
18 Contract Provisions for operational testing they shall be fully tested under operating  
19 conditions for the time period specified to ensure their acceptability prior to the Physical  
20 Completion Date. During and following the test period, the Contractor shall correct any items  
21 of workmanship, materials, or equipment which prove faulty, or that are not in first class  
22 operating condition. Equipment, electrical controls, meters, or other devices and equipment  
23 to be tested during this period shall be tested under the observation of the Engineer, so that  
24 the Engineer may determine their suitability for the purpose for which they were installed.  
25 The Physical Completion Date cannot be established until testing and corrections have been  
26 completed to the satisfaction of the Engineer.

27  
28 The costs for power, gas, labor, material, supplies, and everything else needed to  
29 successfully complete operational testing, shall be included in the unit contract prices  
30 related to the system being tested, unless specifically set forth otherwise in the proposal.

31  
32 Operational and test periods, when required by the Engineer, shall not affect a  
33 manufacturer's guaranties or warranties furnished under the terms of the contract.

34  
35 **Superintendents, Labor and Equipment of Contractor**

36 Revise the seventh paragraph of Section 1-05.13 to read:

37  
38 (\*\*\*\*\*)  
39 Whenever the Contracting Agency evaluates the Contractor's qualifications pursuant to  
40 Section 1-02.1 and 1-02.14, it will take these performance reports into account.

41  
42 **Cooperation With Other Contractors**

43 Section 1-05.14 is supplemented with the following:

44  
45 *(March 13, 1995)*

46 *Other Contracts Or Other Work*

47 It is anticipated that the following work adjacent to or within the limits of this project will  
48 be performed by others during the course of this project and will require coordination of  
49 the work:  
50

- 1 1. Utility relocations and/or normal maintenance work by telephone and
- 2 power companies.
- 3 2. Normal maintenance work by Grant County Road crews.
- 4 3. Normal maintenance work by QCBID.
- 5

6 **1-05.15 Method of Serving Notices**

7 *(March 25, 2009 APWA GSP)*

8 Revise the second paragraph to read:

9  
10 All correspondence from the Contractor shall be directed to the Project Engineer. All  
11 correspondence from the Contractor constituting any notification, notice of protest, notice of  
12 dispute, or other correspondence constituting notification required to be furnished under the  
13 Contract, must be in paper format, hand delivered or sent via mail delivery service to the  
14 Project Engineer's office. Electronic copies such as e-mails or electronically delivered  
15 copies of correspondence will not constitute such notice and will not comply with the  
16 requirements of the Contract.  
17

18 Add the following new section:

19  
20 **1-05.16 Water and Power**

21 *(October 1, 2005 APWA GSP)*

22  
23 The Contractor shall make necessary arrangements, and shall bear the costs for power and  
24 water necessary for the performance of the work, unless the contract includes power and  
25 water as a pay item.

26 **1-05.17 Oral Agreements**

27 *(October 1, 2005 APWA GSP)*

28  
29 No oral agreement or conversation with any officer, agent, or employee of the Contracting  
30 Agency, either before or after execution of the contract, shall affect or modify any of the  
31 terms or obligations contained in any of the documents comprising the contract. Such oral  
32 agreement or conversation shall be considered as unofficial information and in no way  
33 binding upon the Contracting Agency, unless subsequently put in writing and signed by the  
34 Contracting Agency.  
35

36 **LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC**

37  
38 **1-07.1 Laws to be Observed**

39 *(October 1, 2005 APWA GSP)*

40 Supplement this section with the following:

41  
42 In cases of conflict between different safety regulations, the more stringent regulation shall  
43 apply.  
44

45  
46 The Washington State Department of Labor and Industries shall be the sole and paramount  
47 administrative agency responsible for the administration of the provisions of the Washington  
48 Industrial Safety and Health Act of 1973 (WISHA).  
49

50 The Contractor shall maintain at the project site office, or other well known place at the  
51 project site, all articles necessary for providing first aid to the injured. The Contractor shall  
52 establish, publish, and make known to all employees, procedures for ensuring immediate

1 removal to a hospital, or doctor's care, persons, including employees, who may have been  
2 injured on the project site. Employees should not be permitted to work on the project site  
3 before the Contractor has established and made known procedures for removal of injured  
4 persons to a hospital or a doctor's care.  
5

6 The Contractor shall have sole responsibility for the safety, efficiency, and adequacy of the  
7 Contractor's plant, appliances, and methods, and for any damage or injury resulting from  
8 their failure, or improper maintenance, use, or operation. The Contractor shall be solely and  
9 completely responsible for the conditions of the project site, including safety for all persons  
10 and property in the performance of the work. This requirement shall apply continuously, and  
11 not be limited to normal working hours. The required or implied duty of the Engineer to  
12 conduct construction review of the Contractor's performance does not, and shall not, be  
13 intended to include review and adequacy of the Contractor's safety measures in, on, or near  
14 the project site.  
15

## 16 **1-07.2 State Taxes**

17  
18 Delete this section, including its sub-sections, in its entirety and replace it with the following:  
19

### 20 **1-07.2 State Sales Tax** 21 *(June 27, 2011 APWA GSP)* 22

23 The Washington State Department of Revenue has issued special rules on the State sales  
24 tax. Sections 1-07.2(1) through 1-07.2(3) are meant to clarify those rules. The Contractor  
25 should contact the Washington State Department of Revenue for answers to questions in  
26 this area. The Contracting Agency will not adjust its payment if the Contractor bases a bid  
27 on a misunderstood tax liability.  
28

29 The Contractor shall include all Contractor-paid taxes in the unit bid prices or other contract  
30 amounts. In some cases, however, state retail sales tax will not be included. Section 1-  
31 07.2(2) describes this exception.  
32

33 The Contracting Agency will pay the retained percentage (or release the Contract Bond if a  
34 FHWA-funded Project) only if the Contractor has obtained from the Washington State  
35 Department of Revenue a certificate showing that all contract-related taxes have been paid  
36 (RCW 60.28.051). The Contracting Agency may deduct from its payments to the Contractor  
37 any amount the Contractor may owe the Washington State Department of Revenue,  
38 whether the amount owed relates to this contract or not. Any amount so deducted will be  
39 paid into the proper State fund.  
40

### 41 **1-07.2(1) State Sales Tax — Rule 171** 42

43 WAC 458-20-171, and its related rules, apply to building, repairing, or improving streets,  
44 roads, etc., which are owned by a municipal corporation, or political subdivision of the state,  
45 or by the United States, and which are used primarily for foot or vehicular traffic. This  
46 includes storm or combined sewer systems within and included as a part of the street or  
47 road drainage system and power lines when such are part of the roadway lighting system.  
48 For work performed in such cases, the Contractor shall include Washington State Retail  
49 Sales Taxes in the various unit bid item prices, or other contract amounts, including those  
50 that the Contractor pays on the purchase of the materials, equipment, or supplies used or  
51 consumed in doing the work.  
52

1 **1-07.2(2) State Sales Tax — Rule 170**

2  
3 WAC 458-20-170, and its related rules, apply to the constructing and repairing of new or  
4 existing buildings, or other structures, upon real property. This includes, but is not limited to,  
5 the construction of streets, roads, highways, etc., owned by the state of Washington; water  
6 mains and their appurtenances; sanitary sewers and sewage disposal systems unless such  
7 sewers and disposal systems are within, and a part of, a street or road drainage system;  
8 telephone, telegraph, electrical power distribution lines, or other conduits or lines in or above  
9 streets or roads, unless such power lines become a part of a street or road lighting system;  
10 and installing or attaching of any article of tangible personal property in or to real property,  
11 whether or not such personal property becomes a part of the realty by virtue of installation.  
12

13 For work performed in such cases, the Contractor shall collect from the Contracting Agency,  
14 retail sales tax on the full contract price. The Contracting Agency will automatically add this  
15 sales tax to each payment to the Contractor. For this reason, the Contractor shall not  
16 include the retail sales tax in the unit bid item prices, or in any other contract amount subject  
17 to Rule 170, with the following exception.  
18

19 Exception: The Contracting Agency will not add in sales tax for a payment the Contractor or  
20 a subcontractor makes on the purchase or rental of tools, machinery, equipment, or  
21 consumable supplies not integrated into the project. Such sales taxes shall be included in  
22 the unit bid item prices or in any other contract amount.  
23

24 **1-07.2(3) Services**

25  
26 The Contractor shall not collect retail sales tax from the Contracting Agency on any contract  
27 wholly for professional or other services (as defined in Washington State Department of  
28 Revenue Rules 138 and 244).  
29

30 **1-07.7 Load Limits**

31 Section 1-07.7 is supplemented with the following:  
32

33 (March 13, 1995)

34 Whenever the Contractor obtains materials from a source other than that  
35 provided by the Contracting Agency, or provides a source for materials not  
36 designated to come from a source provided by the State and the location of the  
37 source necessitates hauling on other than State Highways, the Contractor shall,  
38 at the Contractor's expense, make all arrangements for the use of the haul  
39 routes.  
40

41 **1-07.9 Wages**

42 **General**

43 Section 1-07.9(1) is supplemented with the following:  
44

45 The State rates incorporated in this contract are applicable to all construction activities  
46 associated with this contract.  
47  
48

49 **1-07.13 Contractor's Responsibility for Work**

1 **Repair of Damage**

2  
3 Section 1-07.13(4) is revised to read:

4  
5 (August 6, 2001)

6 The Contractor shall promptly repair all damage to either temporary or permanent work  
7 as directed by the Engineer. For damage qualifying for relief under Sections 1-07.13(1),  
8 1-07.13(2), or 1-07.13(3), payment will be made in accordance with Section 1-04.4.

9 Payment will be limited to repair of damaged work only. No payment will be made for  
10 delay or disruption of work.

11  
12  
13 **1-07.16 Protection and Restoration of Property**

14 Section 1-07.16 is supplemented with the following:

15  
16 (\*\*\*\*\*)

17 **Notification**

18 The Contractor shall distribute a special notice to each project resident before beginning  
19 work. Project resident means any person, company, or public agency having a driveway  
20 inside the project limits, within one mile of the project limits, or having a driveway or  
21 access on a dead-end road within the project limits. The special notice shall contain the  
22 following information and statements:

- 23  
24
- 25 • Date of the notice.
  - 26 • Project name, termini, and a description of the major phases of the work.
  - 27 • Name of Contractor, Contractor's representative and 24 hour phone number.
  - 28 • Scheduled project start and completion dates.
  - 29 • Available detour routes
  - 30 • One-way traffic will be maintained during each working day.
  - 31 • Two-way traffic will be restored at the end of each working day.
  - 32 • All plants, trees, shrubs, gardens, sprinklers or structures within the limits of  
33 construction will be removed. Residents are to be advised to remove such  
34 property before work begins.
  - 35 • Driveways will be restored to useable conditions at the end of each working day,  
36 without exception.
  - 37 • Mail service interruptions or relocations. Statement that the Contractor will  
38 remove, temporarily relocate, and eventually reinstall mail receptacles.  
39 Statement that mailboxes, posts, etc., damaged by the Contractor will be  
40 replaced and installed at no charge to the resident.
  - 41 • Possible problems with power, telephone, potable water, sewer, irrigation supply  
42 relocations and/or interruptions, if any.
  - 43 • Temporary fencing requirements for livestock, if any.
  - 44 • Residents are responsible for driveway culvert maintenance.
  - 45 • Request to irrigators to eliminate water on the roadway and in the borrow ditches  
46 per Grant County Ordinance.

47 The Contractor must notify all affected Grant County agencies of the date and  
48 anticipated length of all road closures, including school districts, fire districts, Multi-  
49 Agency Communications Center (509) 762-1901, Sheriff's Dept. (509) 754-2011,  
50 Emergency Management (509) 762-1462, and U.S. Postal Service offices.

1  
2 The Contractor must place a "Notice of Road Construction" in the legal newspaper of  
3 Grant County (Columbia Basin Herald). All notices must be provided a minimum of  
4 three (3) working days prior to beginning work. The County will not allow any work to be  
5 performed until the required notices are made by the Contractor.  
6

7 When Bridge #328 is to be removed and replaced, The Contractor shall notify Grant  
8 County Agencies again of the full closure as described above. A new "Notice of Road  
9 Construction" will not be required again in the legal newspaper.  
10

11 (\*\*\*\*\*)

12 **Payment**

13 The lump sum contract price for "Notification" shall be full compensation for all labor,  
14 equipment, materials, and tools necessary to perform the work outlined in this  
15 supplemental section.  
16

17 **1-07.17 Utilities And Similar Facilities**

18 Section 1-07.17 is supplemented with the following:  
19

20 (\*\*\*\*\*)

21 Locations and dimensions shown in the Plans for existing facilities are in accordance  
22 with available information obtained without uncovering, measuring, or other verification.  
23

24 Public and private utilities, or their Contractors, will furnish all work necessary to adjust,  
25 relocate, replace, or construct their facilities unless otherwise provided for in the Plans or  
26 these Special Provisions. Such adjustment, relocation, replacement, or construction will  
27 be done during the prosecution of the work for this project.  
28

29 The Contractor shall call the Utility Location Request Center (One Call Center), for field  
30 location, not less than two nor more than ten business days before the scheduled date  
31 for commencement of excavation which may affect underground utility facilities, unless  
32 otherwise agreed upon by the parties involved. A business day is defined as any day  
33 other than Saturday, Sunday, or a legal local, State, or Federal holiday. The  
34 telephone number for the One Call Center for this project is 1-800-424-5555. If  
35 no one-number locator service is available, notice shall be provided individually  
36 to those owners known to or suspected of having underground facilities within the  
37 area of proposed excavation.  
38

39 The Contractor is alerted to the existence of Chapter 19.122 RCW, a law relating to  
40 underground utilities. Any cost to the Contractor incurred as a result of this law shall be  
41 at the Contractor's expense.  
42

43 No excavation shall begin until all known facilities, in the vicinity of the excavation area,  
44 have been located and marked.  
45

46 The Contractor can go to the following web site to find any changes to the Washington  
47 dig law that took effect in 2013.

48 [http://www.utc.wa.gov/publicSafety/pipelineSafety/Pages/CallBeforeYouDig-  
49 DigLaw.aspx](http://www.utc.wa.gov/publicSafety/pipelineSafety/Pages/CallBeforeYouDig-DigLaw.aspx)  
50

1 The Contractor shall attend a mandatory utility preconstruction meeting with the  
2 Engineer, all affected Subcontractors, and all utility owners and their Contractors  
3 prior to beginning onsite work.  
4

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

- 8 • Grant County PUD, Jaime Esparza  
9 30 C Street SW,  
10 Ephrata, WA 98823, (509) 754-5088 Ext. 2156  
11 [jesparz@gcpud.org](mailto:jesparz@gcpud.org)
- 12 • Frontier Communication, Zeke Johnson  
13 320 East Penny Road  
14 Wenatchee, WA 98801, (509) 662-9262  
15 [Zeke.c.johnstone@ftr.com](mailto:Zeke.c.johnstone@ftr.com)  
16 Alternate Contact: Dave Holland, Construction Supervisor  
17 (509) 679-7958
- 18 • CenturyLink, Curt Austin  
19 P.O. Box 550, Connell, WA. 99326, (509) 235-3375  
20 [Curtis.J.Austin@centurylink.com](mailto:Curtis.J.Austin@centurylink.com)
- 21 • Quincy Columbia Basin Irrigation District, John Mele, P.E.  
22 (509) 787-3591, Ext. 236  
23 [Jmele@qcbid.org](mailto:Jmele@qcbid.org)  
24  
25

26 **1-07.18 Public Liability and Property Damage Insurance**

27  
28 Delete this section in its entirety, and replace it with the following:  
29

30 **1-07.18 Insurance**

31 *(January 24, 2011 APWA GSP)*  
32

33 **1-07.18(1) General Requirements**

- 34 A. The Contractor shall obtain the insurance described in this section from insurers approved  
35 by the State Insurance Commissioner pursuant to RCW Title 48. The insurance must be  
36 provided by an insurer with a rating of A-: VII or higher in the A.M. Best's Key Rating Guide,  
37 which is licensed to do business in the state of Washington (or issued as a surplus line by a  
38 Washington Surplus lines broker). The Contracting Agency reserves the right to approve or  
39 reject the insurance provided, based on the insurer (including financial condition), terms and  
40 coverage, the Certificate of Insurance, and/or endorsements.  
41
- 42 B. The Contractor shall keep this insurance in force during the term of the Contract and for  
43 thirty (30) days after the Physical Completion date, unless otherwise indicated (see C.  
44 below).  
45
- 46 C. If any insurance policy is written on a claims made form, its retroactive date, and that of all  
47 subsequent renewals, shall be no later than the effective date of this Contract. The policy  
48 shall state that coverage is claims made, and state the retroactive date. Claims-made form  
49 coverage shall be maintained by the Contractor for a minimum of 36 months following the

1 Final Completion or earlier termination of this Contract, and the Contractor shall annually  
2 provide the Contracting Agency with proof of renewal. If renewal of the claims made form of  
3 coverage becomes unavailable, or economically prohibitive, the Contractor shall purchase  
4 an extended reporting period ("tail") or execute another form of guarantee acceptable to the  
5 Contracting Agency to assure financial responsibility for liability for services performed.  
6

7 D. The insurance policies shall contain a "cross liability" provision.  
8

9 E. The Contractor's and all subContractors' insurance coverage shall be primary and non-  
10 contributory insurance as respects the Contracting Agency's insurance, self-insurance, or  
11 insurance pool coverage.  
12

13 F. The Contractor shall provide the Contracting Agency and all Additional Insureds with written  
14 notice of any policy cancellation, within two business days of their receipt of such notice.  
15

16 G. Upon request, the Contractor shall forward to the Contracting Agency a full and certified  
17 copy of the insurance policy(s).  
18

19 H. The Contractor shall not begin work under the Contract until the required insurance has  
20 been obtained and approved by the Contracting Agency.  
21

22 I. Failure on the part of the Contractor to maintain the insurance as required shall constitute a  
23 material breach of contract, upon which the Contracting Agency may, after giving five  
24 business days notice to the Contractor to correct the breach, immediately terminate the  
25 Contract or, at its discretion, procure or renew such insurance and pay any and all premiums  
26 in connection therewith, with any sums so expended to be repaid to the Contracting Agency  
27 on demand, or at the sole discretion of the Contracting Agency, offset against funds due the  
28 Contractor from the Contracting Agency.  
29

30 J. All costs for insurance shall be incidental to and included in the unit or lump sum prices of  
31 the contract and no additional payment will be made.  
32  
33

34 **1-07.18(2) Additional Insured**

35 All insurance policies, with the exception of Professional Liability and Workers Compensation,  
36 shall name the following listed entities as additional insured(s):  
37

- 38 ▪ The Contracting Agency and its officers, elected officials, employees, agents, and  
39 volunteers.  
40

41 The above-listed entities shall be additional insured(s) for the full available limits of liability  
42 maintained by the Contractor, whether primary, excess, contingent or otherwise, irrespective of  
43 whether such limits maintained by the Contractor are greater than those required by this  
44 Contract, and irrespective of whether the Certificate of Insurance provided by the Contractor  
45 pursuant to 1-07.18(3) describes limits lower than those maintained by the Contractor.  
46

47 **1-07.18(3) Subcontractors**

48 Contractor shall ensure that each subcontractor of every tier obtains and maintains at a  
49 minimum the insurance coverages listed in 1-07.18(5)A and 1-07.18(5)B. Upon request of the  
50 Contracting Agency, the Contractor shall provide evidence of such insurance.  
51

1 **1-07.18(4) Evidence of Insurance**

2 The Contractor shall deliver to the Contracting Agency a Certificate(s) of Insurance and  
3 endorsements for each policy of insurance meeting the requirements set forth herein when the  
4 Contractor delivers the signed Contract for the work. The certificate and endorsements must  
5 conform to the following requirements:

- 6 1. An ACORD certificate or a form determined by the Contracting Agency to be equivalent.  
7 2. Copies of all endorsements naming Contracting Agency and all other entities listed in 1-  
8 07.18(2) as Additional Insured(s), showing the policy number. The Contractor may submit a  
9 copy of any blanket additional insured clause from its policies instead of a separate  
10 endorsement. A statement of additional insured status on an ACORD Certificate of  
11 Insurance shall not satisfy this requirement.  
12 3. Any other amendatory endorsements to show the coverage required herein.  
13

14 **1-07.18(5) Coverages and Limits**

15 The insurance shall provide the minimum coverages and limits set forth below. Providing  
16 coverage in these stated minimum limits shall not be construed to relieve the Contractor from  
17 liability in excess of such limits. All deductibles and self-insured retentions must be disclosed  
18 and are subject to approval by the Contracting Agency. The cost of any claim payments falling  
19 within the deductible shall be the responsibility of the Contractor.  
20

21 **1-07.18(5)A Commercial General Liability**

22 A policy of Commercial General Liability Insurance, including:

- 23  
24 Per project aggregate  
25 Premises/Operations Liability  
26 Products/Completed Operations – for a period of one year following final acceptance of the  
27 work.  
28 Personal/Advertising Injury  
29 Contractual Liability  
30 Independent Contractors Liability  
31 Stop Gap / Employers' Liability  
32 Explosion, Collapse, or Underground Property Damage (XCU)  
33 Blasting (only required when the Contractor's work under this Contract includes exposures  
34 to which this specified coverage responds)  
35

36 Such policy must provide the following minimum limits:

- 37 \$1,000,000 Each Occurrence  
38 \$2,000,000 General Aggregate  
39 \$1,000,000 Products & Completed Operations Aggregate  
40 \$1,000,000 Personal & Advertising Injury, each offence  
41  
42 Stop Gap / Employers' Liability  
43 \$1,000,000 Each Accident  
44 \$1,000,000 Disease - Policy Limit  
45 \$1,000,000 Disease - Each Employee  
46

47 **1-07.18(5)B Automobile Liability**

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

4 \$1,000,000 combined single limit  
5  
6

7 **1-07.18(5)C Workers' Compensation**

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

10  
11 Section 1-07.18 is supplemented with the following:

12  
13 **1-07.23 Public Convenience and Safety**

14 **Construction Under Traffic**

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

16  
17 **(January 2, 2012)**

18 **Work Zone Clear Zone**

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

24  
25 During nonworking hours equipment or materials shall not be within the WZCZ unless  
26 they are protected by permanent guardrail or temporary concrete barrier. The use of  
27 temporary concrete barrier shall be permitted only if the Engineer approves the  
28 installation and location.

29  
30 During actual hours of work, unless protected as described above, only materials  
31 absolutely necessary to construction shall be within the WZCZ and only construction  
32 vehicles absolutely necessary to construction shall be allowed within the WZCZ or  
33 allowed to stop or park on the shoulder of the roadway.

34  
35 The Contractor's nonessential vehicles and employees private vehicles shall not be  
36 permitted to park within the WZCZ at any time unless protected as described above.

37  
38 Deviation from the above requirements shall not occur unless the Contractor has  
39 requested the deviation in writing and the Engineer has provided written approval.

40  
41 Minimum WZCZ distances are measured from the edge of traveled way and will be  
42 determined as follows:

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

51 \* or 2-feet beyond the outside edge of sidewalk

1  
2 **Minimum Work Zone Clear Zone Distance**  
3

4 (\*\*\*\*\*)

5 **Payment**

6 No additional compensation will be paid to the Contractor for any cost or expense  
7 incurred as a result of the requirements of this provision and all costs shall be  
8 considered incidental to and included in other applicable contract items.  
9

10 **PROSECUTION AND PROGRESS**  
11

12 Add the following new section:  
13

14 **1-08.0 Preliminary Matters**

15 (May 25, 2006 APWA GSP)  
16

17 Add the following new section:  
18

19 **1-08.0(1) Preconstruction Conference**

20 (October 10, 2008 APWA GSP)  
21

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

24 The purpose of the preconstruction conference will be:

- 25 1. To review the initial progress schedule;  
26 2. To establish a working understanding among the various parties associated or  
27 affected by the work;  
28 3. To establish and review procedures for progress payment, notifications, approvals,  
29 submittals, etc.;  
30 4. To establish normal working hours for the work;  
31 5. To review safety standards and traffic control; and  
32 6. To discuss such other related items as may be pertinent to the work.  
33

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

- 35 1. A breakdown of all lump sum items;  
36 2. A preliminary schedule of working drawing submittals; and  
37 3. A list of material sources for approval if applicable.  
38

39 Add the following new section:  
40

41 **1-08.0(2) Hours of Work**

42 (\*\*\*\*\*)  
43

44 Except in the case of emergency or unless otherwise approved by the Contracting Agency,  
45 the normal straight time working hours for the Contract shall be any consecutive 8-hour  
46 period between 7:00 a.m. and 6:00 p.m. of a working day with a maximum 1-hour lunch  
47 break and a 5-day work week. The normal straight time 8-hour working period for the

1 Contract shall be established at the preconstruction conference or prior to the Contractor  
2 commencing the work.

3  
4 Written permission from the Engineer is required, if a Contractor desires to perform work on  
5 holidays, Saturdays, or Sundays; before 7:00 a.m. or after 6:00 p.m. on any day; or longer  
6 than an 8-hour period on any day. The Contractor shall apply in writing to the Engineer for  
7 such permission, no later than noon on the working day prior to the day for which the  
8 Contractor is requesting permission to work.

9  
10  
11 Permission to work between the hours of 10:00 p.m. and 7:00 a.m. during weekdays and  
12 between the hours of 10:00 p.m. and 9:00 a.m. on weekends or holidays may also be  
13 subject to noise control requirements. Approval to continue work during these hours may be  
14 revoked at any time the Contractor exceeds the Contracting Agency's noise control  
15 regulations or complaints are received from the public or adjoining property owners  
16 regarding the noise from the Contractor's operations. The Contractor shall have no claim for  
17 damages or delays should such permission be revoked for these reasons.

18  
19 Permission to work Saturdays, Sundays, holidays, or other than the agreed upon normal  
20 straight time working hours Monday through Friday may be given subject to certain other  
21 conditions set forth by the Contracting Agency or Engineer. These conditions may include  
22 but are not limited to:

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

### 35 36 **1-08.1 Subcontracting**

37 Section 1-08.1 is supplemented with the following:

38 (October 12, 1998)

39 Prior to any subcontractor or agent beginning work, the Contractor shall submit to the  
40 Engineer a certification (WSDOT Form 420-004) that a written agreement between the  
41 Contractor and the subcontractor or between the subcontractor and any lower tier  
42 subcontractor has been executed. This certification shall also guarantee that these  
43 subcontract agreements include all the documents required by the Special Provision  
44 Federal Agency Inspection.

45  
46  
47 A subcontractor or lower tier subcontractor will not be permitted to perform any work  
48 under the contract until the following documents have been completed and submitted to  
49 the Engineer:

- 50  
51 1. Request to Sublet Work (Form 421-012), and

1                   2.     Contractor and Subcontractor or Lower Tier Subcontractor Certification  
2                   for Federal-aid Projects (Form 420-004).  
3

4                   The Contractor's records pertaining to the requirements of this Special Provision shall be  
5                   open to inspection or audit by representatives of the Contracting Agency during the life  
6                   of the contract and for a period of not less than three years after the date of acceptance  
7                   of the contract. The Contractor shall retain these records for that period. The Contractor  
8                   shall also guarantee that these records of all subcontractors and lower tier  
9                   subcontractors shall be available and open to similar inspection or audit for the same  
10                  time period.  
11

12                  **Subcontract Completion and Return of Retainage Withheld**

13                  Section 1-08.1(1) is revised to read:  
14

15                  (August 4, 2014)

16                  The following procedures shall apply to all subcontracts entered into as a part of this Contract:  
17

18                  **Requirements**

- 19                  1. The Prime Contractor or Subcontractor shall make payment to the Subcontractor not  
20                  later than ten days after receipt of payment from the Contracting Agency for work  
21                  satisfactorily completed by the Subcontractor, to the extent of each Subcontractor's  
22                  interest therein.  
23
- 24                  2. Prompt and full payment of retainage from the Prime Contractor to the Subcontractor  
25                  shall be made within 30 days after Subcontractor's Work is satisfactorily completed.  
26
- 27                  3. For purposes of this Section, a Subcontractor's work is satisfactorily completed when  
28                  all task and requirements of the Subcontract have been accomplished and including  
29                  any required documentation and material testing.  
30
- 31                  4. Failure by a Prime Contractor or Subcontractor to comply with these requirements  
32                  may result in one or more of the following:  
33
- 34                         a. Withholding of payments until the Prime Contractor or Subcontractor complies  
35
- 36                         b. Failure to comply shall be reflected in the Prime Contractor's Performance  
37                         Evaluation  
38
- 39                         c. Cancellation, Termination, or Suspension of the Contract, in whole or in part  
40
- 41                         d. Other sanctions as provided by the subcontract or by law under applicable  
42                         prompt pay statutes.  
43  
44

45                  **Conditions**

46                  This clause does not create a contractual relationship between the Contracting Agency  
47                  and any Subcontractor as stated in Section 1-08.1. Also, it is not intended to bestow  
48                  upon any Subcontractor, the status of a third-party beneficiary to the Contract between  
49                  the Contracting Agency and the Contractor.  
50

51                  **Payment**

1 The Contractor will be solely responsible for any additional costs involved in paying  
2 retainage to the Subcontractors. Those costs shall be incidental to the respective Bid  
3 Items.

#### 5 **1-08.4 Prosecution Of Work**

6 The first sentence of Section 1-08.4 is revised to read:

7  
8 (\*\*\*\*\*)

9 The Contractor shall begin work on **June 2, 2015**, unless otherwise approved by  
10 the Engineer.

#### 12 **1-08.5 Time For Completion**

13 The third paragraph of Section 1-08.5 is revised to read:

14  
15 (\*\*\*\*\*)

16 Contract time shall begin on the first working day. The first working day shall be  
17 June 2, 2015, unless otherwise approved by the Engineer.

18  
19 Section 1-08.5 is supplemented with the following:

20  
21 (March 13, 1995)

22 This project shall be physically completed within **60 working days**.

#### 24 **1-08.9 Liquidated Damages**

25 *(August 14, 2013 APWA GSP)*

26  
27 Revise the fourth paragraph to read:

28  
29 When the Contract Work has progressed to Substantial Completion as defined in the  
30 Contract, the Engineer may determine that the work is Substantially Complete. The  
31 Engineer will notify the Contractor in writing of the Substantial Completion Date. For  
32 overruns in Contract time occurring after the date so established, the formula for liquidated  
33 damages shown above will not apply. For overruns in Contract time occurring after the  
34 Substantial Completion Date, liquidated damages shall be assessed on the basis of direct  
35 engineering and related costs assignable to the project until the actual Physical Completion  
36 Date of all the Contract Work. The Contractor shall complete the remaining Work as  
37 promptly as possible. Upon request by the Project Engineer, the Contractor shall furnish a  
38 written schedule for completing the physical Work on the Contract.

#### 40 **Measurement and Payment**

##### 41 42 **Payments**

43  
44 Section 1-09.9 is supplemented with the following:

45  
46 (March 13, 1995)

47 The quantity of the following items to be paid for on this project shall be the quantity  
48 shown in the Proposal, unless changes are made in accordance with Section 1-04.4  
49 which affect this quantity. The quantity shown in the Proposal will be adjusted by  
50 the amount of the change and will be paid for as specified in Section 1-04.4.

1  
2 \*\*\* "Roadway Excavation Incl. Haul", "Embankment Compaction" \*\*\*  
3

4 The quantities in the Proposal are listed only for the convenience of the Contractor  
5 in determining the volume of work involved and are not guaranteed to be accurate.  
6 The prospective bidders shall verify these quantities before submitting a bid. No  
7 adjustments other than for approved changes will be made in the quantity even  
8 though the actual quantities required may deviate from those listed.  
9

10 The unit contract price for these items shall be full pay to construct and complete  
11 this portion of the work.  
12  
13

14 **1-09.13 Claims Resolution**

15 **1-09.13(3) Claims \$250,000 or Less**  
16 *(October 1, 2005 APWA GSP)*  
17

18 Delete this Section and replace it with the following:  
19

20 The Contractor and the Contracting Agency mutually agree that those claims that total  
21 \$250,000 or less, submitted in accordance with Section 1-09.11 and not resolved by  
22 nonbinding ADR processes, shall be resolved through litigation unless the parties mutually  
23 agree in writing to resolve the claim through binding arbitration.  
24

25 **1-09.13(3)A Administration of Arbitration**  
26 *(October 1, 2005 APWA GSP)*  
27

28 Revise the third paragraph to read:  
29

30 The Contracting Agency and the Contractor mutually agree to be bound by the decision of  
31 the arbitrator, and judgment upon the award rendered by the arbitrator may be entered in  
32 the Superior Court of the county in which the Contracting Agency's headquarters are  
33 located. The decision of the arbitrator and the specific basis for the decision shall be in  
34 writing. The arbitrator shall use the contract as a basis for decisions.  
35

36 **TEMPORARY TRAFFIC CONTROL**  
37

38 **General**  
39

40 Section 1-10.1 is supplemented with the following:

41 (April 1, 2013)

42 The Contracting Agency will provide the following labor, equipment and/or materials  
43 resources to the Contractor for use on the project.  
44

45 \*\*\* Class A Traffic Signs as outlined in the included Construction Sign Plan and Sign  
46 Table \*\*\*  
47

1 The Contractor shall notify the Engineer when each resource is to be utilized and shall  
2 provide a minimum of \*\*\* 5 (five) \*\*\* working days advance notice to allow any  
3 necessary arrangements to be made.  
4

## 5 **1-10.2 Traffic Control Management**

### 6 **General**

7  
8 Section 1-10.2(1) is supplemented with the following:  
9

10 (December 1, 2008)

11 Only training with WSDOT TCS card and WSDOT training curriculum is  
12 recognized in the State of Washington. The Traffic Control Supervisor shall be  
13 certified by one of the following:  
14

15 The Northwest Laborers-Employers Training Trust  
16 27055 Ohio Ave.  
17 Kingston, WA 98346  
18 (360) 297-3035  
19

20 Evergreen Safety Council  
21 401 Pontius Ave. N.  
22 Seattle, WA 98109  
23 1-800-521-0778 or (206) 382-4090  
24

25 The American Traffic Safety Services Association  
26 15 Riverside Parkway, Suite 100  
27 Fredericksburg, Virginia 22406-1022  
28 Training Dept. Toll Free (877) 642-4637  
29 Phone: (540) 368-1701  
30

### 31 **1-10.2(2) Traffic Control Plans**

32  
33 Section 1-10.2(2) is supplemented with the following:  
34

35 (\*\*\*\*\*)

36 The County has provided the Traffic Sign Plan for this project and said plan(s) are  
37 included in these specifications and is made part of this contract.  
38

39 The work contemplated in this contract will require the Contractor to take special  
40 precautions in implementing safe traffic control procedures in accordance with the  
41 MUTCD. The Contractor's attention is directed to WAC 296-155-305 as it relates to  
42 signing, signaling and flaggers. All questions concerning new standards should be  
43 directed to the Wash. State Dept. of Labor and Industries.  
44

45 The Contractor will not be permitted to close Martin Road, other than at H-NW Road  
46 when existing Bridge #328 is removed and replaced, see Sheet 2 of 2, Detour Plan  
47 when bridge work is to commence.  
48

## 49 **1-10.3 Traffic Control Labor, Procedures and Devices**

### 50 **1-10.3(3) Traffic Control Devices**

51

1 **Construction Signs**

2 Section 1-10.3(3)A is supplemented with the following:

3  
4 (\*\*\*\*\*)

5 The required signs will be available to the Contractor at the Grant County Sign Shop,  
6 124 Enterprise St. SE, Ephrata, WA, (509) 754-6082, on normal work days. The  
7 Contractor shall make arrangements with the Engineer at least five working days prior to  
8 picking up the signs. The Contractor shall sign an itemized receipt at the time of  
9 acquisition.

10  
11 Signs shall be taken down and returned to Grant County Sign Shop by the Contractor  
12 when their need has ceased as determined by the Engineer. Due to County Force BST  
13 placement on this project, the signs will likely stay up until after those operations have  
14 ceased. The value of signs furnished by the Contracting Agency to the Contractor is  
15 fixed at \$10.00 per square foot. The value of such signs which are damaged or not  
16 returned as provided in Sections 1-10.1 and 1-10.3(3)A will be deducted from payment  
17 due or to become due the Contractor.

18  
19 **Wood Sign Posts**

20 Use the charts below to determine post size for Class A construction signs.

21  
22 **One Post Installation**

<u>Post Size</u>	<u>Min. Sign Sq. Ft.</u>	<u>Max Sign Sq. Ft.</u>
4x4	-	16.0
4x6	17.0	20.0
6x6	21.0	25.0
6x8	26.0	31.0

23  
24  
25  
26  
27  
28  
29  
30 **Two Post Installation**

31 (For signs 5 feet or greater in width)

<u>Post Size</u>	<u>Min. Sign Sq. Ft.</u>	<u>Max Sign Sq. Ft.</u>
4x4	-	16.0
4x6	17.0	36.0
6x6	37.0	46.0
6x8	47.0	75.0 *

32  
33  
34  
35  
36  
37  
38  
39 \* The Engineer will determine the post size for signs greater than 75  
40 square feet.

41  
42 **Barricades**

43 Section 1-10.3(3)D is supplemented with the following:

44  
45 (\*\*\*\*\*)

46 The barricades, provided by the contractor, shall be Type III and constructed in  
47 accordance with the details shown in the MUTCD and the Standard Plans. The  
48 barricade width shall be eight (8) feet.  
49

1 As may be indicated in the Signing Plan, Traffic Control Plans, or the Contract  
2 Provisions, the Contractor may be required to install signs, warning lights, or both, on  
3 barricades.

4  
5 **1-10.4 Measurement**

6 Section 1-10.4 is supplemented with the following:

7  
8 (\*\*\*\*\*)

9 No unit of measurement will be made for any of the items contained in the Traffic Control  
10 Plan or Section 1-10 of the Standard Specifications.

11  
12 **1-10.5 Payment**

13 Section 1-10.5(1) is supplemented with the following:

14  
15 (\*\*\*\*\*)

16 No additional compensation will be paid to the Contractor for any cost or expense  
17 incurred as a result of the requirements of this provision and all costs shall be  
18 considered incidental to and included in other applicable contract items.

19  
20 **DIVISION 2 EARTHWORK**

21  
22 **CLEARING, GRUBBING, AND ROADSIDE CLEANUP**

23  
24 **2-01.1 Description**

25 Section 2-01.1 is supplemented with the following:

26 (March 13, 1995)

27 Clearing and grubbing on this project shall be performed within the following limits:

28 Station 10+14 to 281+43

29 This includes tree removal in the vicinity of Station 95+00 as shown in the plans.

30 **REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

31  
32 **2-02.3 Construction Requirements**

33  
34 Section 2-02.3 is supplemented with the following:

35  
36  
37 ***Removal of Bridges, Box Culverts, and Other Drainage Structures***

38 Section 2-02.3(2) is supplemented with the following:

39  
40 (\*\*\*\*\*)

41 The Contractor shall remove existing Bridge #328 – Martin Road, located in  
42 Section 34, T21N, R25E WM, as shown on the plans.

43  
44 **Removal of Pavement, Sidewalks, and Curbs**

1  
2 Section 2-02.3(3) is supplemented with the following:

3  
4 (\*\*\*\*\*)

5 **Rotomilling Bituminous Pavement**

6 The Contractor shall rotomill all existing bituminous pavements. The  
7 Contractor shall provide equipment capable of producing planings 2  
8 inches in diameter or smaller. All sections planed on any given day shall  
9 be uniformly spread, watered, and re-compacted to a non-yielding surface  
10 over the existing subgrade by the end of the work day and re-graded, if  
11 necessary, to the staked line and grade before placement of crushed  
12 surfacing materials.

13  
14 The equipment used to rotomill existing bituminous pavements shall be  
15 capable of rotomilling a minimum of 72" in a single pass, capable of  
16 working at a mixing depth of at least 6" without producing skips and work  
17 at a traveling speed of 1 mph or more.

18  
19 **2-02.5 Payment**

20 Section 2-02.5 is supplemented with the following:

21  
22 "Rotomilling Bituminous Pavement", per square yard.

23  
24 (June 26, 2000)

25 **Use of Explosives**

26 Explosives shall not be used in the demolition,

27  
28 (\*\*\*\*\*)

29 **Requirements for Closing Bridge to Traffic Prior to Beginning Removal**

30 The Contractor shall not close the existing bridge to traffic and shall not begin bridge  
31 removal operations until the following conditions are met:

- 32  
33 1. The Contractor has received the Engineer's approval of the bridge demolition  
34 plan.  
35 2. The Contractor has sufficient material on hand to complete bridge removal and  
36 bridge construction operations in the least possible time.  
37 3. The Contractor shall furnish a report on the status of material delivery to the  
38 Engineer. The report shall specify the materials already available at the site, the  
39 materials yet to arrive at the site, and the scheduled delivery dates of the  
40 materials yet to arrive at the site.  
41 4. The Engineer has received the list of residents notified about the project and  
42 road closure.  
43 5. The Contractor has received the Engineer's approval to proceed.

44  
45 **Payment**

46 Section 2-02.5 is supplemented with the following:  
47

1 (\*\*\*\*\*)  
2 "Removal of Existing Bridge #328 Martin Road", lump sum.

3  
4 **ROADWAY EXCAVATION AND EMBANKMENT**

5  
6 **Construction Requirements**

7  
8 **2-03.3 Construction Requirements**

9  
10 **Excavation Below Subgrade**

11 Section 2-03.3(3) is supplemented with the following:

12  
13 (\*\*\*\*\*)  
14 Excavation for Ditch Drainage Areas shall be included in the quantities of  
15 Roadway Excavation Incl. Haul. Ditch Drainage area shall be a maximum of 2' in  
16 depth as shown in the plans. If groundwater is encountered, the excavation may  
17 be modified to be less than 2' in depth, as staked by the Engineer.

18  
19 **Disposal Of Surplus Material**

20 Section 2-03.3(7)A is supplemented with the following:

21  
22 (\*\*\*\*\*)  
23 A waste site has not been provided by the County for the disposal of excess material  
24 and debris.

25  
26 **2-03.5 Payment**

27  
28 Section 2-03.5 is supplemented with the following:

29  
30 (\*\*\*\*\*)  
31 All costs for sawcutting existing roadway as shown in the plans shall be included  
32 in the unit price, "Roadway Excavation Incl. Haul".

33  
34 **STRUCTURE EXCAVATION**

35  
36 **Construction Requirements**

37  
38 **Shoring And Cofferdams**

39  
40 Section 2-09.3(3)D is supplemented with the following:

41  
42 (\*\*\*\*\*)  
43 The Contractor shall protect the canal from damage due to the Contractor's  
44 operations. Damage to the canal or other USBR facilities, due to the Contractor's  
45 operations, will be repaired by the Contractor at the Contractor's expense.

1 The Contractor shall take measures to prevent material from spilling into the  
2 USBR canals, wasteways, etc. during the course of demolition, excavation, and  
3 construction of Martin Road NW and Bridge #328.  
4

## 5 CONSTRUCTION GEOSYNTHETIC

### 7 2-12.2 Materials

8 Section 2-12.2 is supplemented with the following:  
9

10 (\*\*\*\*\*)

11 Section Product shall be TenCate Mirafi ® HP570 Woven Polypropylene  
12 Geotextile or NTPEP approved equal product.

### 14 2-12.3 Construction requirements

15 Section 2-12.3 is supplemented with the following  
16

17 (\*\*\*\*\*)

18 The Contractor shall perform structure excavation to the limits shown on the  
19 plans on the Bridge approaches and other locations as shown in the plans.  
20 Woven Geotextile fabric shall be placed in sections between each surfacing layer  
21 and be approved by the Engineer prior to placement of the next layer. Overlaps  
22 shall be 2' minimum for all joints.  
23

### 24 2-12.4 Measurement

25 Section 2-12.4 is supplemented with the following  
26

27 (\*\*\*\*\*)

28 Construction Geotextile for Separation will be measured by the square yard for  
29 the perimeter of ground surface actually covered.  
30

## 31 DIVISION 3 PRODUCTION FROM QUARRY AND PIT SITES AND STOCKPILING

### 33 PRODUCTION FROM QUARRY AND PIT SITES

#### 35 State Furnished Material Sources

36 Section 3-01.3 is supplemented with the following:  
37

38 (\*\*\*\*\*)

39 The following source(s) of stockpiled materials are made available to the  
40 Contractor at the unit prices shown under the section entitled Stockpiling  
41 Aggregates:  
42

43 Stockpile Site \*\*\* #580 – Monument Hill Pit \*\*\* source for \*\*\* crushed surfacing  
44 base course, maintenance rock, and gravel backfill for wall & pipe zone bedding  
45 \*\*\* is located in Section 28, Township 21 North, Range 24 East W.M., as shown  
46 in the Plans.  
47  
48

1 **STOCKPILING AGGREGATES**

2  
3 **General Requirements**

4  
5 **Removing Aggregates From Stockpiles**

6 Section 3-02.2(7) is supplemented with the following:

7  
8 (\*\*\*\*\*)

9 Crushed Surfacing Base Course, Maintenance Rock, Gravel Backfill for Wall,  
10 Gravel Backfill for Pipe Zone Bedding, and aggregates for use in this project are  
11 existing in stockpile at the location and for the unit prices listed below and in the  
12 amounts shown in the Plans.

15 <u>Location</u>	15 <u>Material</u>	15 <u>Price</u>
16 Index #580	16 Crushed Surfacing Base Course	16 \$4.94/Ton.
17 Monument Hill Pit	17 Maintenance Rock	17 \$3.82/Ton.
18 Sec. 28, T21N, R24E WM	18 Gravel Backfill for Wall & PZB	18 \$7.41/C.Y.

19  
20  
21 The Contractor may obtain material from other sources provided they are  
22 approved by the Engineer and provided the Contractor makes all arrangements  
23 and pays all expenses required for the acquisition of the materials.

24  
25 The contractor shall provide a structure/shack for the person weighing the  
26 crushed aggregate at the County or Contractor provided pit site. The  
27 structure/shack shall be equipped with an AC unit, or a unit approved by the  
28 engineer capable of provide cool air circulation through the structure.

29  
30  
31 **Payment**

32 Section 3-02.5 is supplemented with the following:

33  
34 (\*\*\*\*\*)

35 The unit contract price shall be full payment for the purchase, loading, hauling,  
36 placing and compacting of materials provided in stockpile or, if so chosen by the  
37 Contractor, for the furnishing, hauling, placing and compacting of materials  
38 obtained by the Contractor from an approved source of the Contractor's own  
39 choice and acquisition.

40  
41 If the Contractor chooses to use the materials existing in stockpile, the County  
42 shall deduct the costs of such aggregates from monthly progress estimates in  
43 accordance with the rates specified above and based on the quantity of materials  
44 allowed by the Engineer on the monthly progress payments and final estimate.

45  
46 **SITE RECLAMATION**

1 **Contracting-Agency Provided Sites**

2 Section 3-03.2(1) is supplemented with the following:

3

4 (March 13, 1995)

5 Site reclamation will be performed by the Contracting Agency on all sites  
6 furnished by the Contracting Agency.

7

8 **DIVISION 4 BASES**

9

10 **BALLAST AND CRUSHED SURFACING**

11

12 **Construction Requirements**

13

14

***Equipment***

15

The first sentence of Section 4-04.3(1) is revised to read:

16

17

(\*\*\*\*\*)

18

All equipment necessary for the satisfactory performance of this  
19 construction shall be on the project and approved by the Engineer prior to  
20 beginning work. The Contractor shall demonstrate that equipment of  
21 sufficient size, number, and reliability has been provided to meet the  
22 project schedule submitted by the Contractor, if requested by the  
23 Engineer.

24

25

***Placing and Spreading***

26

The third paragraph of Section 4-04.3(4) is supplemented with the  
27 following:

28

29

(\*\*\*\*\*)

30

The Contractor shall fill each hauling vehicle with the same quantity of  
31 crushed aggregate. This is necessary in order to provide consistent  
32 spreads within the limits of the specific section determined by the  
33 Engineer.

34

35

The Contractor shall place the material in such a way as to minimize the  
36 impact of the hauling vehicles. Hauling over any of the surfacing materials  
37 prior to processing shall not be permitted.

38

39

***Miscellaneous Requirement***

40

The second sentence of the first paragraph of Section 4-04.3(7) is revised  
41 to read:

42

43

(\*\*\*\*\*)

44

Each course of surfacing material shall be placed in its entirety before  
45 placing the succeeding course unless otherwise authorized by the

1 Engineer. The Contractor shall repair any segregated areas by  
2 reprocessing the effected section of each course before placing any  
3 additional material.  
4

## 5 **Payment**

6 Section 4-04.5 is supplemented with the following:  
7

8 (\*\*\*\*\*)

9 "Crushed Surfacing Maintenance Rock", per ton.  
10

## 11 **DIVISION 5 SURFACE TREATMENTS AND PAVEMENTS**

### 12 **HOT MIX ASPHALT**

#### 13 **5-04.3(3)A Material Transfer Device / Vehicle**

14  
15 (January 16, 2014 APWA GSP)  
16  
17

18 The first paragraph of this section is revised to read:  
19

20 Additionally, a material transfer device or vehicle (MTD/V) is not required at the following  
21 locations: \*\*\*Anywhere on project site, Martin Road\*\*\*  
22

#### 23 **5-04.3(7)A2 Statistical or Nonstatistical Evaluation**

24  
25 Delete this section and replace it with the following:  
26

#### 27 **5-04.3(7)A2 Nonstatistical Evaluation**

28  
29 (\*\*\*\*\*)

30 Mix designs for HMA accepted by Nonstatistical evaluation shall;

- 31 • Be submitted to the Project Engineer on WSDOT Form 350-042
- 32 • Have the aggregate structure and asphalt binder content determined in accordance with  
33 WSDOT Standard Operating Procedure 732 and meet the requirements of Sections 9-  
34 03.8(2) and 9-03.8(6).
- 35 • Have anti-strip requirements, if any, for the proposed mix design determined in  
36 accordance with WSDOT Test Method T 718 or based on historic anti-strip and  
37 aggregate source compatibility from WSDOT lab testing. Anti-strip evaluation of HMA  
38 mix designs utilized that include RAP will be completed without the inclusion of the RAP.  
39

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

- 42 • The proposed mix design indicated on a WSDOT mix design/anti-strip report that is  
43 within one year of the approval date  
44
- 45 • If the proposed mix design has not been referenced and previously verified by WSDOT  
46 State Materials Lab on a previous project, the Contractor shall also submit samples to

1 the WSDOT State Materials Lab for WSDOT verification testing in accordance with  
2 WSDOT Standard Specifications.

3  
4 The mix design will be performed by a lab accredited by a national authority such as  
5 Laboratory Accreditation Bureau, L-A-B for Construction Materials Testing, The Construction  
6 Materials Engineering Council (CMEC's) ISO 17025 or AASHTO Accreditation Program  
7 (AAP) and shall supply evidence of participation in the AASHTO Material Reference  
8 Laboratory (AMRL) program.

9  
10 At the discretion of the Engineer, agencies may accept mix designs verified beyond the one  
11 year verification period with a certification from the Contractor that the materials and sources  
12 are the same as those shown on the original mix design.

13  
14 A minimum of three (3) working days prior to the first day of paving, up to six (6) Ignition  
15 Furnace Calibration Samples shall be obtained to calibrate the Ignition Furnaces used for  
16 acceptance testing of the HMA. Calibration samples shall be provided by the Contractor  
17 when directed by the Engineer. Calibration samples shall be prepared in accordance with  
18 WSDOT SOP 728.

19  
20 **5-04.3(8)A1 General**  
21 *(January 16, 2014 APWA GSP)*

22  
23 Delete this section and replace it with the following:

24  
25 Acceptance of HMA shall be as defined under nonstatistical or commercial evaluation.

26  
27 Nonstatistical evaluation will be used for all HMA not designated as Commercial HMA in  
28 the contract documents.

29  
30 The mix design will be the initial JMF for the class of HMA. The Contractor may request  
31 a change in the JMF. Any adjustments to the JMF will require the approval of the  
32 Project Engineer and must be made in accordance with Section 9-03.8(7).

33  
34 Commercial evaluation may be used for Commercial HMA and for other classes of HMA  
35 in the following applications: sidewalks, road approaches, ditches, slopes, paths, trails,  
36 gores, prelevel, and pavement repair. Other nonstructural applications of HMA accepted  
37 by commercial evaluation shall be as approved by the Project Engineer. Sampling and  
38 testing of HMA accepted by commercial evaluation will be at the option of the Project  
39 Engineer. Commercial HMA can be accepted by a contractor certificate of compliance  
40 letter stating the material meets the HMA requirements defined in the contract.

41  
42 **5-04.3(8)A4 Definition of Sampling Lot and Sublot**  
43 *(January 16, 2014 APWA GSP)*

44  
45 Section 5-04.3(8)A4 is supplemented with the following:  
46

1 For HMA in a structural application, sampling and testing for total project quantities less than  
2 400 tons is at the discretion of the engineer. For HMA used in a structural application and with  
3 a total project quantity less than 800 tons but more than 400 tons, a minimum of one  
4 acceptance test shall be performed:

- 5 i. If test results are found to be within specification requirements, additional  
6 testing will be at the engineers discretion.
- 7 ii. If test results are found not to be within specification requirements,  
8 additional testing as needed to determine a CPF shall be performed.  
9

10 **5-04.3(8)A5 Test Results**  
11 *(January 16, 2014 APWA GSP)*  
12

13 The first paragraph of this section is deleted.  
14

15 **5-04.3(8)A6 Test Methods**  
16 *(January 16, 2014 APWA GSP)*  
17

18 Delete this section and replace it with the following:  
19

20 Testing of HMA for compliance of Va will be at the option of the Contracting Agency. If tested,  
21 compliance of Va will be use WSDOT Standard Operating Procedure SOP 731. Testing for  
22 compliance of asphalt binder content will be by WSDOT FOP for AASHTO T 308. Testing for  
23 compliance of gradation will be by WAQTC FOP for AASHTO T 27/T 11.  
24

25 **DIVISION 6 STRUCTURES**  
26

27 **GENERAL REQUIREMENTS FOR STRUCTURES**  
28

29 **Utilities Supported by or Attached to Bridges**

30 Section 6-01.10 is supplemented with the following:  
31

32 (\*\*\*\*\*)

33 Relocation of existing utilities outside of the bridge structure shall be the  
34 responsibility of the utility company. The Contractor shall notify the utility  
35 company at least two (2) weeks in advance of beginning any work.  
36

37 The Contractor shall cooperate fully with the utility company in order to expedite  
38 all relocations and new installations.  
39

40 **Concrete Structures**  
41

42 **Description**

43 Section 6-02.1 is supplemented with the following:  
44

45 This work consists of the designing and construction of Bridge #328. The structure shall  
46 be designed in accordance with the requirements of the AASHTO LRFD Bridge Design  
47 Specifications 7<sup>th</sup> Edition – 2014. The structure shall be designed to HL-93 Loading and

1 for a total of a 2" Hot Mix Asphalt Overlay. A bridge rating report shall be submitted to  
2 Grant County after the construction of this structure. All drawings and support data shall  
3 bear a seal of a registered professional engineer licensed to practice in the State of  
4 Washington. A preliminary layout of the new bridge is shown on plan sheet #23.

## 5 6 **Construction Requirements**

### 7 8 ***Finishing Concrete Surfaces***

9 Section 6-02.3(14) is supplemented with the following:

10  
11 **(\*\*\*\*\*)**

#### 12 **Nonshrink Grout**

13  
14 The Contractor shall furnish and place the nonshrink grout specified herein at the  
15 following locations shown in the plans.

16  
17 The grout shall be prepackaged nonshrink grout, mixed, placed and cured as  
18 recommended by the manufacturer.

19  
20 The nonshrink grout shall meet the following requirements:

21	22 <b>REQUIREMENT</b>	23 <b>TEST METHOD</b>	24 <b>VALUES</b>
25	Early Volume Change	ASTM C 827	0% Shrinkage, 2.5% Expansion
26	Hardened Volume Change	CRD C 621	0% Shrinkage, 2.5% Expansion
27	Setting Time at Ambient 28 Conditions	AASHTO T 131	30 minutes minimum
29	Min Compressive Strength	AASHTO T 154	45 minutes minimum
30		AASHTO T 106	6,000 psi @ 3 days

31  
32 The grout shall be a workable mix with flowability suitable for the intended  
33 application.

34  
35 The Contractor shall submit a request for approval of material sources for the  
36 prepackaged nonshrink grout to the Engineer for approval along with test data  
37 from an independent testing laboratory confirming that the proposed grout will  
38 meet the specified nonshrink requirements. A sample of the prepackaged grout  
39 of the production lot to be used shall be submitted to the Engineer for approval.  
40 The Contractor shall receive approval from the Engineer before using the grout.

41  
42 Before placing grout the concrete on which it is to be placed shall be thoroughly  
43 cleaned, roughened, and wetted with water to ensure proper bonding. The grout  
44 shall be kept continuously wet with water until a strength of 3,000 psi is attained.

#### 45 **Measurement**

46 Section 6-02.4 is supplanted with the following:

47 (June 26, 2000)

48 \*\*\* "Bridge #328 \*\*\* contains the following approximate quantities of materials  
49 and work:

1	***	Stamped Engineered Plans / Shop Drawings / Load Rating Report	
2		Precast Bridge Abutments	2 Each
3		Structure Excavation Class "A"	22 C.Y.
4		Gravel Backfill for Wall	14 C.Y.
5		Crushed Surfacing Base Course below Abutment	5 C.Y.
6		Superstructure	
7		Bearing Pads	16
8		Rail Post Assemblies	8 Each
9		Thrie Beam Bridge Railing	83 L.F.
10		2" Utility Conduit attached to outer Beam	35 L.F. ***

11  
12 The quantities are listed only for the convenience of the Contractor in  
13 determining the volume of work involved and are not guaranteed to be accurate.  
14 The prospective bidders shall verify these quantities before submitting a bid. No  
15 adjustments other than for approved changes will be made in the lump sum  
16 contract price for \*\*\* " Bridge #328 \*\*\* even though the actual quantities required  
17 may deviate from those listed.  
18

### 19 Payment

20 The third bid item under Section 6-02.5 is supplemented with the following:

21 (June 26, 2000)

22 All costs in connection with completing the superstructure shall be included in the  
23 lump sum contract price for \*\*\* " Bridge #328 \*\*\*.  
24

25 Section 6-02.5 is supplemented with the following:

26 (June 26, 2000)

#### 27 **Bridge and Structure Minor Items**

28 For the purpose of payment, such bridge and structure items as \*\*\* grout, nosing  
29 angles, weld ties, dowels, butyl rubber sheeting, polystyrene, galvanizing,  
30 adhesives, sand, nuts and bolts \*\*\*, etc., for which there is no pay item included  
31 in the proposal, are considered as bridge and structures minor items. All costs in  
32 connection with furnishing and installing these bridge and structures minor items  
33 as shown and noted in the Plans and as outlined in these specifications and in  
34 the Standard Specifications shall be included in the lump sum contract price for  
35 \*\*\* " Bridge #328 \*\*\*.  
36

37 (June 26, 2000)

38 No additional compensation will be made by reason of any delay or other  
39 expense to the Contractor caused by coordination with the utility company or by  
40 installing utility company furnished items. However, any unavoidable delays to  
41 the Contractor caused by coordination with the utility company or resulting from  
42 installing utility company furnished items will be adjusted in accordance with  
43 Section 1-08.8.  
44

### 45 Construction Requirements

46 Section 6-02.3 is supplemented with the following:

#### 47 **Bridge Supported Utilities**

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(\*\*\*\*\*)  
The Contractor shall furnish and install the bridge utility supports on the North side of the Bridge, and the utility pipe or conduit pipe necessary to reinstall the utilities on the existing bridge. The Contractor shall coordinate this work with the utility.

**BRIDGE RAILINGS**

**Payment**

Section 6-06.5 is supplemented with the following:

(March 6, 2000)  
All costs in connection with constructing Thrie Beam Bridge Railing shall be included in the \*\*\* lump sum contract price for " Bridge #328 \*\*\*.

**DIVISION 8 MISCELLANEOUS CONSTRUCTION**

**8-01 EROSION CONTROL AND WATER POLLUTION CONTROL**

**8-01.3 Construction Requirements**

**Mulching**

Section 8-01.3(2)D is supplemented with the following:

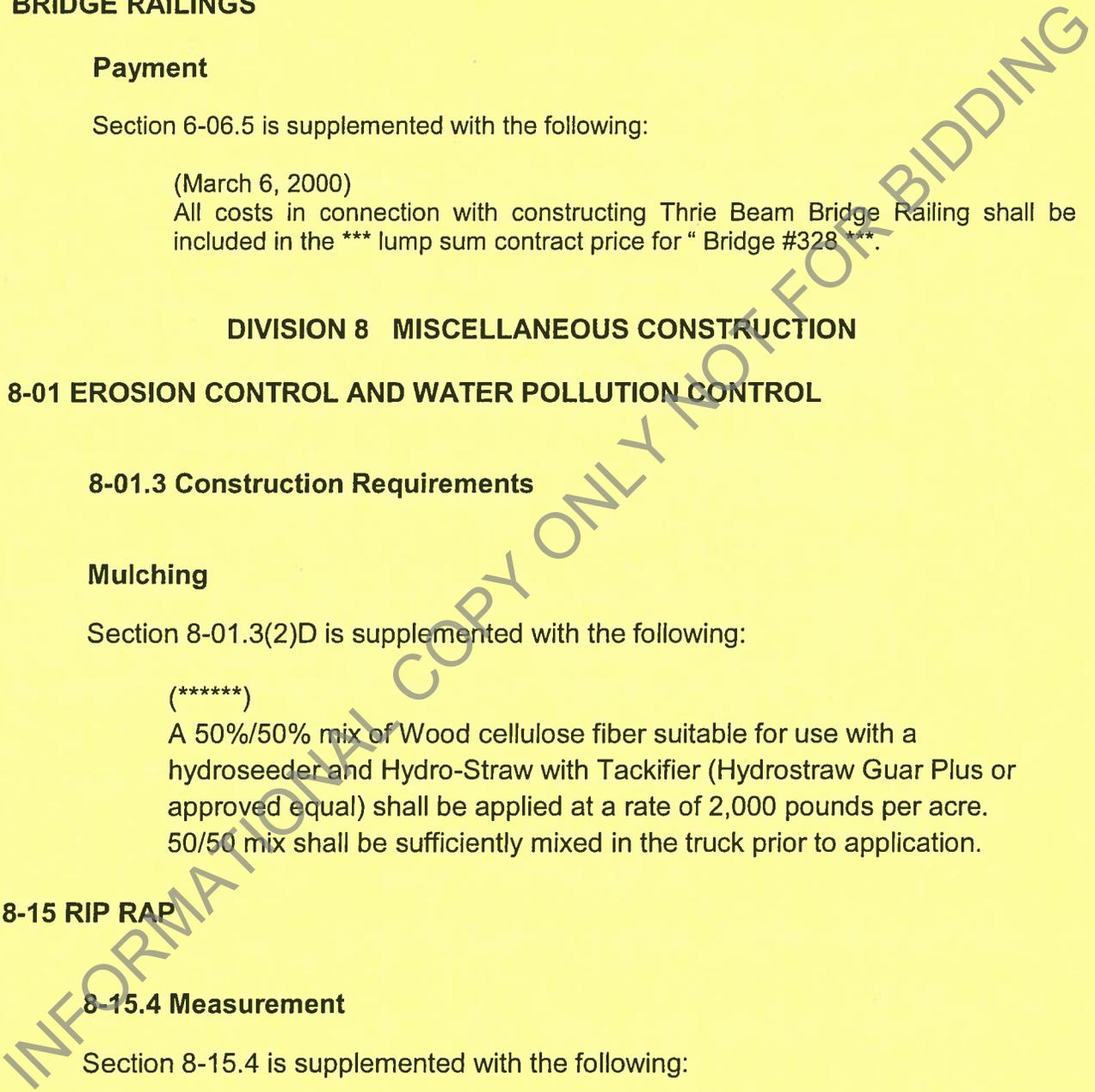
(\*\*\*\*\*)  
A 50%/50% mix of Wood cellulose fiber suitable for use with a hydroseeder and Hydro-Straw with Tackifier (Hydrostraw Guar Plus or approved equal) shall be applied at a rate of 2,000 pounds per acre. 50/50 mix shall be sufficiently mixed in the truck prior to application.

**8-15 RIP RAP**

**8-15.4 Measurement**

Section 8-15.4 is supplemented with the following:

(\*\*\*\*\*)  
Quarry Spalls will be measured by the Cubic Yard of spalls actually placed. Measurement will be by neatline as compacted in place, as measured by the Engineer.



1 **8-21 PERMANENT SIGNING**

2  
3 See upcoming addendum to be issued for this section.

4  
5  
6 **8-22 PAVEMENT MARKING**

7  
8 **8-22.3 Construction Requirements**

9  
10 **Preliminary Spotting**

11 The first sentence of Section 8-22.3(1) is replaced with the following:

12  
13 (\*\*\*\*\*)

14 The Contractor shall use established control points to assist in the  
15 preliminary spotting of the lines to be marked. Where control points are  
16 unavailable the Contractor shall establish such control as necessary to  
17 provide accurate preliminary spotting for pavement marking. The  
18 Engineer shall provide control points for no-pass zones.

19  
20 **Marking Application**

21 Section 8-22.3(3) is supplemented with the following:

22  
23 (\*\*\*\*\*)

24 This contract contains new striping work and will require two applications  
25 of paint on a thoroughly swept pavement surface. 10 mils on the first pass  
26 and 15 mils on the second pass in the opposite direction. Glass beads for  
27 retro-reflective applications shall be applied at the rate of 7 pounds per  
28 gallon of paint.

29  
30 The Contractor shall use a three gun paint spray system for all striping on  
31 this contract.

32  
33 **DIVISION 9 MATERIALS**

34  
35 **9-14 EROSION CONTROL AND ROADSIDE PLANTING**

36  
37 **9-14.2 Seed**

38 Section 9-14.2 is supplemented with the following:

39  
40 (\*\*\*\*\*)

41 The following Roadside seed mix is approved for application on this project.

42	43	44	45	46
Kind and variety of	% By	Minimum %	Minimum %	
Seed in mixture	Weight	Pure Seed	Germination	

**Special Eastern Washington Roadside Mix Containing\*:**

1	Bluegrass, Sherman Big	10	9.5	70
2	Wheatgrass, Crested, Nordan	70	68.5	85
3	Wheatgrass, Thickspike, Critana	10	9.5	85
4	Sandburg	5	4.5	
5	Sheep Fescue	5	4.5	
6	Weed Seed		2.0 (max)	
7	Inert and other crop		<u>3.5 (max)</u>	
8	Total		100.0	

9  
10  
11  
12

\*Special Eastern Washington Roadside Mix shall be applied at the rate of twenty-one (21) pounds per acre on all areas to be seeded.

**9-14.3 Fertilizer**

Section 9-14.3 is supplemented with the following:

13  
14  
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(\*\*\*\*\*)  
The Contractor shall use 16-16-16 slow release fertilizer, and it shall be applied at the rate of 125 pounds per acre.

**(August 4, 2014)  
Standard Plans**

20  
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The State of Washington Standard Plans for Road, Bridge and Municipal Construction M21-01 transmitted under Publications Transmittal No. PT 14-046, effective August 4, 2014 is made a part of this contract.

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**PROPOSAL**

To: Board of County Commissioners  
Grant County, Washington

Date: \_\_\_\_\_, 2015

This certifies that the undersigned has examined the location of **MARTIN ROAD RECONSTRUCTION PROJECT, CRP 13-17, in Grant County, Washington**, and that the plans, specifications and contract governing the work embraced in the 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 said plans, specifications and contract and at the following schedule of rates and prices.

**MARTIN ROAD RECONSTRUCTION PROJECT**

Note: Unit prices for all items, all extensions, and total amount must be shown. Please type or use ink. Please initial all changes.

Item No.	Plan Quantity	Item Description	Price per Unit* Dollars . Cents	Total Amount Dollars . Cents
<b>PREPARATION</b>				
1	1 Lump Sum	Mobilization	At ////////.//// Per Lump Sum	.
2	1 Lump Sum	Notification	At ////////.//// Per Lump Sum	.
3	1 Lump Sum	Clearing and Grubbing	At ////////.//// Per Lump Sum	.
4	1 Lump Sum	Removal of Existing Bridge #328 Martin Road	At ////////.//// Per Lump Sum	.
<b>GRADING</b>				
5	71,177 Sq. Yd.	Rotomilling Bituminous Pavement	At . . Per Square Yard	.
6	14,295 C.Y.	Roadway Excavation	At . . Per Cubic Yard	.
7	9,369 C.Y.	Embankment Compaction	At . . Per Cubic Yard	.

Item No.	Plan Quantity	Item Description	Price per Unit* Dollars . Cents	Total Amount Dollars . Cents
8	160 S.Y.	Construction Geotextile for Separation	At Per Square Yard	.
<b>DRAINAGE</b>				
9	50 L.F.	Plain Steel Culvert Pipe 0.064" Th. – 18" Diameter	At Per Linear Foot	.
<b>SURFACING</b>				
10	33,435 C.Y.	Crushed Surfacing Base Course	At Per Cubic Yard	.
11	21,500 C.Y.	Crushed Surfacing Maintenance Rock	At Per Cubic Yard	.
<b>HOT MIX ASPHALT</b>				
12	140 Ton	Commercial HMA Class 3/8" Incl. PG64-28 Paving Asphalt	At Per Ton	.
<b>STRUCTURE</b>				
13	1 Lump Sum	Bridge #328 Martin Road	At //////////./////	.
<b>TRAFFIC</b>				
14	35 Lin. Ft.	Beam Guardrail Type 31	At Per Linear Foot	.
15	2 Each	Beam Guardrail Anchor Type 10	At Per Each	.
16	2 Each	Beam Guardrail Non-Flared Terminal	At Per Each	.
17	4 Each	Thrie Beam Guardrail Reducer Section Type B	At Per Each	.

Item No.	Plan Quantity	Item Description	Price per Unit* Dollars . Cents	Total Amount Dollars . Cents
18	81,000 Lin. Ft.	Paint Line	At . Per Linear Foot	.
19	1 Lump Sum	Permanent Signing	At ////////.//// Per Lump Sum	.

**OTHER ITEMS**

20	13 C.Y.	Structure Excavation Class "B" Including Haul	At . Per Cubic Yard	.
21	10 C.Y.	Gravel Backfill For Pipe Zone Bedding	At . Per Cubic Yard	.
22	16 C.Y.	Gravel Backfill For Walls	At . Per Cubic Yard	.
23	350 Cubic Yard	Quarry Spalls For Ditch Drainage	At . Per Cubic Yard	.
24	1 Lump Sum	Spill Prevention, Control, and Countermeasure (SPCC) Plan	At ////////.//// Per Lump Sum	.
25	1 Lump Sum	Trimming and Cleanup	At ////////.//// Per Lump Sum	.
26	10.0 Acre	Seeding, Fertilizing and Mulching, With Roadside Mix	At ////////.//// Acre	.
27	-\$1.00 Est.	Minor Change	At ////////.//// Est.	-\$1.00

<b>PROJECT Total</b>	.
----------------------	---

**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 have agreed to the provisions of this declaration.**

### **NOTICE TO ALL BIDDERS**

To report bid rigging activities call:

**1-800-424-9071**

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

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

Revised 6/14

From DOT Form 272-036I EF  
07/2011

## 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.

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

- Cash  In the Amount of \_\_\_\_\_
- Cashier's Check  \_\_\_\_\_ Dollars
- Certified Check  (\$\_\_\_\_\_) Payable to the Grant County Treasurer
- Proposal Bond  In the Amount of 5% of the Bid

Receipt is hereby acknowledged of addendum(s) No.(s) \_\_\_\_\_, \_\_\_\_\_ & \_\_\_\_\_.

Signature of Authorized Official(s)

Proposal Must Be Signed



\_\_\_\_\_

\_\_\_\_\_

Please Print Name of Authorized Official

Firm Name

\_\_\_\_\_

Address

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

State of Washington Contractor's License No. \_\_\_\_\_

Federal ID No. \_\_\_\_\_

Note:

- (1) This proposal form is not transferable and any alteration entered hereon without prior permission from the County Engineer will be cause for considering the proposal irregular and subsequent rejection of bid.
- (2) Please refer to section 1-02.6 of the standard specifications, re: "Preparation of Proposal" or "Article 4" of the instructions to bidders for building construction jobs.
- (3) Should it be necessary to modify this proposal either in writing or by electronic means, please make reference to the following proposal number in your communication: \_\_\_\_\_

Revised 8/95

# Statement of Contractor Qualifications

To: Board of County Commissioners  
Grant County, Washington

Date: \_\_\_\_\_, 2015

RE: **MARTIN ROAD RECONSTRUCTION PROJECT, CRP 13-17**

I hereby maintain that I am a responsible bidder as contemplated by the policies of the State of Washington and Chapter 36.77 of the Revised Code of Washington.

1. My permanent business name and address is \_\_\_\_\_  
which I have maintained for \_\_\_\_ years. My phone is (\_\_\_\_) \_\_\_\_\_ Fax (\_\_\_\_) \_\_\_\_\_
2. I have adequate plant equipment to expeditiously and properly perform the work contemplated for Grant County, Washington. **Description of work:** This contract provides for the reconstruction of 5.14 miles of two lane county road in Grant County, WA, and includes roadway excavation, embankment compaction, drainage items, crushed surfacing base course, maintenance rock, bridge, hot mix asphalt, paint striping, permanent signing, seeding and fertilizing, and other work in accordance with the attached Contract Plans, these Contract Provisions and the Standard Specifications. (Please list equipment to be used on this project. Attach list if necessary.)  
\_\_\_\_\_  
\_\_\_\_\_
3. I have adequate funds to promptly meet obligations incident to this work. (Provide bank, contact & phone.)  
a) \_\_\_\_\_  
b) \_\_\_\_\_ c) \_\_\_\_\_
4. I have adequate experience in this class of work and I am thoroughly familiar with the specifications used in this project. I have constructed the following similar improvements: (Provide project name, contact & phone.)  
a) \_\_\_\_\_  
b) \_\_\_\_\_
5. I have submitted and maintain annually a "Standard Questionnaire and Financial Statement" to the Washington State Department of Transportation (WSDOT): Yes  No  Region: \_\_\_\_\_  
WSDOT has determined: a) I am prequalified to \_\_\_\_\_  
\_\_\_\_\_ in the amount of \_\_\_\_\_  
b) I have failed to be prequalified for the following reasons: \_\_\_\_\_  
\_\_\_\_\_

The Contracting Agency may determine a prospective Bidder who is not prequalified to perform certain types of work within the financial and experience constraints determined by WSDOT to be not responsible and refuse to award a contract.

The Board of County Commissioners shall proceed to award the contract to the lowest and best bidder but may reject any or all bids if in its opinion good cause exists therefor. (RCW 36.77.040)

I hereby certify that the above statements are true and accurate.

Very truly yours,

By: \_\_\_\_\_  
(Print Name) \_\_\_\_\_  
Company Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Washington State Contractor's License No.: \_\_\_\_\_  
Revised 4/02

## Bid Bond

### KNOW ALL MEN BY THESE PRESENTS:

That we, \_\_\_\_\_, as  
Principal, and \_\_\_\_\_, as  
Surety, are held and firmly bound unto Grant County, Washington, as Obligee, in the penal sum  
of \_\_\_\_\_ Dollars  
(\$ \_\_\_\_\_) for the payment of which the Principal and Surety bind themselves,  
their heirs, executors, administrators, successors and assigns, jointly and severally, by these  
presents.

The condition of the obligation is such that if the Obligee shall make any award to the  
Principal for **MARTIN ROAD RECONSTRUCTION PROJECT, CRP 13-17**, located in Grant County,  
Washington, according to the terms of the proposal or bid made by the Principal therefor, and  
the Principal shall duly make and enter into a contract with the Obligee in accordance with the  
terms of said proposal or bid and award and shall give bond for the faithful performance  
thereof, with the Surety or Sureties approved by the Obligee; or if the principal shall, in case of  
failure so to do, pay and forfeit to the Obligee the penal amount of the deposit specified in the  
call for bids, then this obligation shall be null and void; otherwise it shall be and remain in full  
force and effect and the Surety shall forthwith pay and forfeit to the Obligee, as penalty and  
liquidated damages, the amount of this bond.

SIGNED, SEALED AND DATED THIS \_\_\_\_ DAY OF \_\_\_\_\_, 2015

Principal \_\_\_\_\_

Surety \_\_\_\_\_

Attorney-in-Fact \_\_\_\_\_

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## CONTRACT

THIS AGREEMENT, between the Board of County Commissioners of Grant County, State of Washington, acting under and by virtue of Chapter 36.77 of the Revised Code of Washington, as amended, hereinafter called the County, and \_\_\_\_\_, for itself, its heirs, executors, administrators, successors and assigns, hereinafter called the Contractor.

### WITNESSETH:

That in consideration of the payments, covenants, and agreements, hereinafter mentioned, and attached and made a part of this agreement, to be made and performed by the parties hereto, and the parties hereto covenant and agree as follows:

### DESCRIPTION OF WORK:

1. The Contractor shall do all work and furnish all tools, materials, and equipment necessary to improve and complete **MARTIN ROAD RECONSTRUCTION PROJECT, CRP 13-17**, located in Grant County, Washington, as proposed in a bid opened **1:30 P.M., Tuesday, May 19, 2015** in accordance with and as described in the herein attached plans and standard specifications, and in full compliance with the terms, conditions, and stipulations herein set forth and attached, now referred to any by such reference incorporated herein and made part hereof as fully for all purposes as if here set forth at length, and shall perform any alterations in or additions to the work covered by this contract and every part thereof and any force account work may be ordered as provided in this contract and every part thereof.
2. The Contractor shall provide and be at the expense of all materials, labor, carriage, tools, implements and conveniences and things of every description that may be requisite for the transfer of materials and for constructing and completing the work provided for in this contract and every part thereof.
3. The County hereby promises and agrees with the Contractor to employ, and does employ 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 unit or itemized prices hereto attached, at the time and in the manner and upon the conditions provided for in this contract and every part thereof. The County further agrees to employ the Contractor to perform any alterations in or additions to the work covered by this contract and every part thereof and any force account work that may be ordered and pay for same under the terms of this contract and the attached plans and specifications.
4. The Contractor for himself, and for his heirs, executors, administrators and assigns, and successors and assigns, does hereby agree to the full performance of all the covenants herein contained upon the part of the Contractor.
5. It is further provided that no liability shall attach to the County by reason of entering into this contract, except as expressly provided herein.

IN WITNESS WHEREOF, the said Contractor has executed this instrument, and the said Board of County Commissioners of Grant County has caused this instrument to be executed by and in the name of said Board by its Members, duly attested by its Clerk, the day and year below written, and the seal of said Board to be hereunto affixed on said date.

\_\_\_\_ day of \_\_\_\_\_, 2015

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Firm Name

\_\_\_\_\_  
Address

\_\_\_\_\_  
City State Zip

( ) \_\_\_\_\_  
Phone

ATTEST:

\_\_\_\_\_  
Clerk of the Board

APPROVED AS TO FORM:

\_\_\_\_ day of \_\_\_\_\_, 2015

\_\_\_\_\_  
Deputy Prosecuting Attorney

BOARD OF COUNTY COMMISSIONERS  
OF GRANT COUNTY, WASHINGTON

Done this \_\_\_\_ day of \_\_\_\_\_, 2015

\_\_\_\_\_  
Chair

\_\_\_\_\_  
Member

\_\_\_\_\_  
Member

**CONTRACT BOND**

KNOW ALL MEN BY THESE PRESENTS:

That we, the undersigned, \_\_\_\_\_, as principal, and \_\_\_\_\_, a corporation organized and existing under the laws of the State of \_\_\_\_\_, as surety corporation, and qualified under the laws of the State of Washington to become surety upon bonds of contractors with municipal corporations, as surety, are jointly and severally held and firmly bound to Grant County, Washington, in the penal sum of

(\$ \_\_\_\_\_) for the payment of which sum on demand we bind ourselves and our successors, heirs, administrators or personal representatives, as the case may be.

This obligation is entered into in pursuance of the statutes of the State of Washington, the Ordinances of Grant County, Washington.

Dated at \_\_\_\_\_, Washington, this \_\_\_\_ day of \_\_\_\_\_, 2015.

The conditions of the above obligation are such that:

WHEREAS, on **May 19, 2015**, the Board of County Commissioners of said Grant County has let or is about to let to the Principal, a certain contract, the said contract providing for the improvement of **MARTIN ROAD RECONSTRUCTION PROJECT, CRP 13-17**, located in Grant County, Washington, (which contract is referred to herein and is made a part hereof as though attached hereto), and

WHEREAS, the said Principal has accepted, or is about to accept, the said contract, and undertake to perform the work therein provided for in the manner and within the time set forth;

NOW, THEREFORE, if the said Principal shall faithfully perform all of the provisions of said contract in the manner and within the time therein set forth or within such extensions of time as may be granted under said contract, and shall pay all laborers, mechanics, subcontractors and material men, and all persons who shall supply said Principal or subcontractors with provisions and supplies for the carrying on of said work, and shall hold said Grant County harmless from any loss or damage occasioned to any person or property by reason of any carelessness or negligence on the part of said Principal, or any subcontractor in the performance of said work and shall indemnify and hold Grant County harmless from any damage or expense by reason of failure of performance as specified in said contract or from defects appearing or developing in the material or workmanship provided or performed under said contract, and until the same is accepted, then and in that event this obligation shall be void but otherwise it shall be and remain in full force and effect.

Countersigned:

\_\_\_\_\_  
Licensed Agent/Surety Co.

\_\_\_\_\_  
Principal

\_\_\_\_\_  
Attorney-in-Fact, Surety

Approved as to form:

(\_\_\_\_\_) \_\_\_\_\_  
Firm, Street Address (No P.O. Box), Phone of Local Office of Agent

\_\_\_\_\_, 2015  
Deputy Prosecuting Attorney

Deputy Prosecuting Attorney

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## TITLE VI – Contractor Requirements

During the performance of this contract, the contractor/consultant, for itself, its assignees and successors in interest (hereinafter referred to as the “contractor”) agrees as follows:

### 1. Compliance with Regulations

The contractor shall comply with the Regulations relative to non-discrimination in federally assisted programs of United States Department of Transportation (USDOT), Title 49, Code of Federal Regulations, part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.

### 2. Non-discrimination

The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, sex, or national origin in the selection and retention of sub-contractors, including procurement of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.

### 3. Solicitations for Sub-contracts, Including Procurement of Materials and Equipment

In all solicitations either by competitive bidding or negotiations made by the contractor for work to be performed under a sub-contract, including procurement of materials or leases of equipment, each potential sub-contractor or supplier shall be notified by the contractor of the contractor’s obligations under this contract and the Regulations relative to non-discrimination on the grounds of race, color, sex, or national origin.

### 4. Information and Reports

The contractor shall provide all information and reports required by the Regulations or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the contracting agency or the appropriate federal agency to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information, the contractor shall so certify to WSDOT or the USDOT as appropriate, and shall set forth what efforts it has made to obtain the information.

### 5. Sanctions for Non-compliance

In the event of the contractor’s non-compliance with the non-discrimination provisions of this contract, the contracting agency shall impose such contract sanctions as it or the USDOT may determine to be appropriate, including, but not limited to:

- Withholding of payments to the contractor under the contract until the contractor complies, and/or;
- Cancellation, termination, or suspension of the contract, in whole or in part

### 6. Incorporation of Provisions

The contractor shall include the provisions of paragraphs (1) through (5) in every sub-contract, including procurement of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto. The contractor shall take such action with respect to any sub-contractor or procurement as the contracting agency or USDOT may direct as a means of enforcing such provisions including sanctions for non-compliance.

Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a sub-contractor or supplier as a result of such direction, the contractor may request WSDOT enter into such litigation to protect the interests of the state and, in addition, the contractor may request the USDOT enter into such litigation to protect the interests of the United States.

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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: 5/4/2015

County	Trade	Job Classification	Wage	Holiday	Overtime	Note
Grant	<a href="#">Carpenters</a>	Carpenters	\$40.20	5A	1B	8N
Grant	<a href="#">Cement Masons</a>	Journey Level	\$38.85	7B	1N	
Grant	<a href="#">Fabricated Precast Concrete Products</a>	Journey Level - In-Factory Work Only	\$9.96		1	
Grant	<a href="#">Flaggers</a>	Journey Level	\$33.31	7B	1M	
Grant	<a href="#">Laborers</a>	Air And Hydraulic Track Drill	\$35.95	7B	1M	
Grant	<a href="#">Laborers</a>	Asphalt Raker	\$35.95	7B	1M	
Grant	<a href="#">Laborers</a>	Asphalt Roller, Walking	\$35.68	7B	1M	
Grant	<a href="#">Laborers</a>	Brick Pavers	\$35.41	7B	1M	
Grant	<a href="#">Laborers</a>	Brush Hog Feeder	\$35.41	7B	1M	
Grant	<a href="#">Laborers</a>	Brush Machine	\$35.95	7B	1M	
Grant	<a href="#">Laborers</a>	Caisson Worker, Free Air	\$35.95	7B	1M	
Grant	<a href="#">Laborers</a>	Carpenter Tender	\$35.41	7B	1M	
Grant	<a href="#">Laborers</a>	Cement Finisher Tender	\$35.68	7B	1M	
Grant	<a href="#">Laborers</a>	Cement Handler	\$35.41	7B	1M	
Grant	<a href="#">Laborers</a>	Chain Saw Operator & Faller	\$35.95	7B	1M	
Grant	<a href="#">Laborers</a>	Clean-up Laborer	\$35.41	7B	1M	
Grant	<a href="#">Laborers</a>	Compaction Equipment	\$35.68	7B	1M	
Grant	<a href="#">Laborers</a>	Concrete Crewman	\$35.41	7B	1M	
Grant	<a href="#">Laborers</a>	Concrete Saw, Walking	\$35.68	7B	1M	
Grant	<a href="#">Laborers</a>	Concrete Signalman	\$35.41	7B	1M	
Grant	<a href="#">Laborers</a>	Concrete Stack	\$35.95	7B	1M	
Grant	<a href="#">Laborers</a>	Confined Space Attendant	\$35.41	7B	1M	
Grant	<a href="#">Laborers</a>	Crusher Feeder	\$35.41	7B	1M	
Grant	<a href="#">Laborers</a>	Demolition	\$35.41	7B	1M	
Grant	<a href="#">Laborers</a>	Demolition Torch	\$35.68	7B	1M	
Grant	<a href="#">Laborers</a>	Dope Pot Fireman, Non-mechanical	\$35.68	7B	1M	
Grant	<a href="#">Laborers</a>	Driller Helper (when Required To Move & Position Machine)	\$35.68	7B	1M	
Grant	<a href="#">Laborers</a>	Drills With Dual Masts	\$36.23	7B	1M	

Grant	<a href="#">Laborers</a>	Dry Stack Walls	\$35.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Dumpman	\$35.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Erosion Control Laborer	\$35.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Final Detail Cleanup (i.e., Dusting, Vacuuming, Window Cleaning; Not Construction Debris Cleanup)	\$33.31	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Firewatch	\$35.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Form Cleaning Machine Feeder, Stacker	\$35.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Form Setter, Paving	\$35.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	General Laborer	\$35.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Grade Checker	\$37.94	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Grout Machine Header Tender	\$35.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Guard Rail	\$35.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Gunite	\$35.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Hazardous Waste Worker (level A)	\$36.23	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Hazardous Waste Worker (level B)	\$35.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Hazardous Waste Worker (level C)	\$35.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Hazardous Waste Worker (level D)	\$35.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Hdpe Or Similar Liner Installer	\$35.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	High Scaler	\$35.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Jackhammer Operator Miner, Class "b"	\$35.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Laser Beam Operator	\$35.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Miner, Class "a"	\$35.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Miner, Class "c"	\$35.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Miner, Class "d"	\$36.23	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Monitor Operator, Air Track Or Similar Mounting	\$35.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Mortar Mixer	\$35.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Nipper	\$35.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Nozzleman	\$35.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Nozzleman, Water (to Include Fire Hose), Air Or Steam	\$35.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Pavement Breaker, 90 Lbs. & Over	\$35.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Pavement Breaker, Under 90 Lbs.	\$35.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Pipelayer	\$35.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Pipelayer, Corrugated Metal Culvert And Multi-plate	\$35.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Pipewrapper	\$35.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Plasterer Tenders	\$35.95	<u>7B</u>	<u>1M</u>	

Grant	<a href="#">Laborers</a>	Pot Tender	\$35.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Powderman	\$37.60	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Powderman Helper	\$35.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Power Buggy Operator	\$35.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Power Tool Operator, Gas, Electric, Pneumatic	\$35.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Railroad Equipment, Power Driven, Except Dual Mobile	\$35.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Railroad Power Spiker Or Puller, Dual Mobile	\$35.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Remote Equipment Operator	\$36.23	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Remote Equipment Operator (i.e. Compaction And Demolition)	\$35.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Rigger/signal Person	\$35.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Riprap Person	\$35.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Rodder & Spreader	\$35.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Sandblast Tailhoseman	\$35.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Scaffold Erector, Wood Or Steel	\$35.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Stake Jumper	\$35.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Structural Mover	\$35.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Tailhoseman (water Nozzle)	\$35.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Timber Bucker & Faller (by Hand)	\$35.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Track Laborer (rr)	\$35.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Traffic Control Laborer	\$33.31	<u>7B</u>	<u>1M</u>	<u>8T</u>
Grant	<a href="#">Laborers</a>	Traffic Control Supervisor	\$34.31	<u>7B</u>	<u>1M</u>	<u>8S</u>
Grant	<a href="#">Laborers</a>	Trencher, Shawnee	\$35.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Trenchless Technology Technician	\$35.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Truck Loader	\$35.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Tugger Operator	\$35.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Vibrators, All	\$35.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Wagon Drills	\$35.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Water Pipe Liner	\$35.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Welder, Electric, Manual Or Automatic (hdpe Or Similar Pipe And Liner)	\$36.23	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Well-point Person	\$35.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Wheelbarrow, Power Driven	\$35.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Power Equipment Operators</a>	A-frame Truck (2 Or More Drums)	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	A-frame Truck (single Drum)	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Asphalt Plant Operator	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Assistant Plant Operator, Fireman Or Pugmixer (asphalt)	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>		\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>

		Assistant Refrigeration Plant & Chiller Operator (over 1000 Ton)				
Grant	<a href="#">Power Equipment Operators</a>	Assistant Refrigeration Plant (under 1000 Ton)	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Automatic Subgrader (ditches & Trimmers)	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Backfillers (cleveland & Similar)	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Backhoe & Hoe Ram (under 3/4 Yd.)	\$40.26	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Backhoe (45,000 Gw & Under)	\$40.26	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Backhoe (45,000 Gw To 110,000 Gw)	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Backhoe (over 110,000 Gw)	\$40.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Backhoes & Hoe Ram (3 Yds & Over)	\$40.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Backhoes & Hoe Ram (3/4 Yd. To 3 Yd.)	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Bagley Or Stationary Scraper	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Batch & Wet Mix Operator (multiple Units, 2 & Incl. 4)	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Batch Plant & Wet Mix Operator, Single Unit (concrete)	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Batch Plant (over 4 Units)	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Belt Finishing Machine	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Belt Loader (kocal Or Similar)	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Belt-crete Conveyors With Power Pack Or Similar	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Bending Machine	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Bit Grinders	\$39.01	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Blade (finish & Bluetop), Automatic, Cmi, Abc, Finish Athey & Huber & Similar When Used As Automatic	\$40.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Blade Operator (motor Patrol & Attachments)	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Blower Operator (cement)	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Boat Operator	\$39.01	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Bob Cat (skid Steer)	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Bolt Threading Machine	\$39.01	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Boom Cats (side)	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Boring Machine (earth)	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Boring Machine (Rock Under 8" Bit - Quarry Master, Joy Or Similar)	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Bump Cutter (wayne, Saginaw Or Similar)	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>		\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>

		Cableway Controller (dispatcher)				
Grant	<a href="#">Power Equipment Operators</a>	Cableway Operators	\$40.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Canal Lining Machine (concrete)	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Carrydeck & Boom Truck (under 25 Tons)	\$40.26	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Cement Hog	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Chipper (without Crane) Cleaning & Doping Machine (pipeline)	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Clamshell, Dragline	\$41.91	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Compactor (self-propelled With Blade)	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Compressor (2000 Cfm Or Over, 2 Or More, Gas Diesel Or Electric Power)	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Compressors (under 2000 Cfm, Gas, Diesel Or Electric Power)	\$39.01	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Concrete Cleaning / Decontamination Machine Operator	\$40.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Concrete Pump Boon Truck	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Concrete Pumps (squeeze-concrete, Flow-concrete, Whitman & Similar)	\$40.10	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Concrete Saw (multiple Cut)	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Concrete Slip Form Paver	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Conveyor Aggregate Delivery Systems (c.a.d.)	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Crane Oiler- Driver (cdl Required) & Cable Tender, Mucking Machine	\$39.01	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Cranes (25 Tons & Under), All Attachments Incl. Clamshell, Dragline	\$40.26	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Cranes (25 Tons To And Including 45 Tons), All Attachments Incl. Clamshell, Dragline	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Cranes (45 Tons To 85 Tons), All Attachments Incl. Clamshell And Dragline	\$40.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Cranes (85 Tons & Over) And All Climbing, Overhead, Rail & Tower. All Attachments Incl.	\$41.91	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Crusher Feeder	\$39.01	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Crusher, Grizzle & Screening Plant Operator	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Curb Extruder (asphalt Or Concrete)	\$40.10	<u>7B</u>	<u>1M</u>	<u>8D</u>

Grant	<a href="#">Power Equipment Operators</a>	Deck Engineer	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Deck Hand	\$39.01	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Derricks & Stifflegs (65 Tons & Over)	\$40.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Derricks & Stifflegs (under 65 Tons)	\$40.26	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Distributor Leverman	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Ditch Witch Or Similar	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Dope Pots (power Agitated	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Dozer / Tractor (up To D-6 Or Equivalent) And Traxcavator	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Dozer / Tractors (d-6 & Equivalent & Over)	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Dozer, 834 R/t & Similar	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Drill Doctor	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Driller Licensed	\$41.91	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Drillers Helper	\$39.01	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Drilling Equipment (8" Bit & Over - Robbins, Reverse Circulation & Similar)	\$40.26	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Drills (churn, Core, Calyx Or Diamond)	\$40.10	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Elevating Belt (holland Type)	\$40.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Elevating Belt-type Loader (euclid, Barber Green & Similar)	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Elevating Grader-type Loader (dumor, Adams Or Similar)	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Elevator Hoisting Materials	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Equipment Serviceman, Greaser & Oiler	\$40.10	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Fireman & Heater Tender	\$39.01	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Fork Lift Or Lumber Stacker, Hydra-life & Similar	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Generator Plant Engineers (diesel Or Electric)	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Gin Trucks (pipeline)	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Grade Checker	\$40.26	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Gunite Combination Mixer & Compressor	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	H.d. Mechanic	\$40.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	H.d. Welder	\$40.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Heavy Equipment Robotics Operator	\$40.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Helicopter Pilot	\$41.91	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Helper, Mechanic Or Welder, H.D	\$39.01	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Hoe Ram	\$40.26	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>		\$40.10	<u>7B</u>	<u>1M</u>	<u>8D</u>

		Hoist (2 Or More Drums Or Tower Hoist)				
Grant	<a href="#">Power Equipment Operators</a>	Hoist, Single Drum	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Hydraulic Platform Trailers (goldhofer, Shaurerly And Similar)	\$40.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Hydro-seeder, Mulcher, Nozzleman	\$39.01	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Lime Batch Tank Operator (recycle Train)	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Lime Brain Operator (recycle Train)	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Loader (360 Degrees Revolving Koehring Scooper Or Similar)	\$40.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Loader Operator (front-end & Overhead, 4 Yds. Incl. 8 Yds.)	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Loaders (bucket Elevators And Conveyors)	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Loaders (overhead & Front-end, Over 8 Yds. To 10 Yds.)	\$40.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Loaders (overhead & Front-end, Under 4 Yds.. R/t)	\$40.10	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Loaders (overhead And Front-end, 10 Yds. & Over)	\$41.91	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Locomotive Engineer	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Longitudinal Float	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Master Environmental Maintenance Technician	\$40.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Mixer (portable - Concrete)	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Mixermobile	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Mobile Crusher Operator (recycle Train)	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Mucking Machine	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Multiple Dozer Units With Single Blade	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Pavement Breaker, Hydra-hammer & Similar	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Paving (dual Drum)	\$40.26	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Paving Machine (asphalt And Concrete)	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Piledriving Engineers	\$40.26	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Plant Oiler	\$39.01	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Posthole Auger Or Punch	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Power Broom	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Pump (grout Or Jet)	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Pumpman	\$39.01	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Quad-track Or Similar Equipment	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Railroad Ballast Regulation Operator (self-propelled)	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>

Grant	<a href="#">Power Equipment Operators</a>	Railroad Power Tamper Operator (self-propelled)	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Railroad Tamper Jack Operator (self-propelled)	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Railroad Track Liner Operator (self-propelled)	\$40.26	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Refrigeration Plant Engineer (1000 Tons & Over)	\$40.26	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Refrigeration Plant Engineer (under 1000 Ton)	\$40.10	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Rollerman (finishing Asphalt Pavement)	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Rollers, All Types On Subgrade, Including Seal And Chip Coating (farm Type, Case, John Deere And Similar, or Compacting Vibrator), Except When Pulled B	\$39.01	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Roto Mill (pavement Grinder)	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Rotomill Groundsman	\$40.10	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Rubber-tired Scrapers (multiple Engine With Three Or More Scrapers)	\$40.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Rubber-tired Skidders (r/t With Or Without Attachments)	\$40.10	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Scrapers, All, Rubber-tired	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Screed Operator	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Shovels (3 Yds. & Over)	\$40.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Shovels (under 3 Yds.)	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Signalman (whirleys, Highline, Hammerheads Or Similar)	\$40.26	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Soil Stabilizer (p & H Or Similar)	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Spray Curing Machine (concrete)	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Spreader Box (self-propelled)	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Spreader Machine	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Steam Cleaner	\$39.01	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Straddle Buggy (ross & Similar On Construction Job Only)	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Surface Heater & Planer Machine	\$40.10	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Tractor (farm Type R/t With Attachments, Except Backhoe)	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Traverse Finish Machine	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Trenching Machines (7 Ft. Depth & Over)	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Trenching Machines (under 7 Ft. Depth Capacity)	\$40.10	<u>7B</u>	<u>1M</u>	<u>8D</u>

Grant	<a href="#">Power Equipment Operators</a>	Tug Boat Operator	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Tugger Operator	\$39.33	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Turnhead (with Re-screening)	\$40.10	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Turnhead Operator	\$39.94	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Ultra High Pressure Waterjet Cutting Tool System Operator, (30,000 Psi)	\$40.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Vactor Guzzler, Super Sucker	\$40.54	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Vacuum Blasting Machine Operator	\$40.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Vacuum Drill (reverse Circulation Drill Under 8" Bit)	\$40.10	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Welding Machine	\$39.01	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Whirleys & Hammerheads, All	\$40.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Surveyors</a>	All Classifications	\$28.57	<u>Null</u>	<u>1</u>	
Grant	<a href="#">Traffic Control Stripers</a>	Journey Level	\$43.11	<u>7A</u>	<u>1K</u>	
Grant	<a href="#">Truck Drivers</a>	Dump Truck	\$26.09		<u>1</u>	
Grant	<a href="#">Truck Drivers</a>	Dump Truck And Trailer	\$26.09		<u>1</u>	
Grant	<a href="#">Truck Drivers</a>	Other Trucks	\$27.84		<u>1</u>	
Grant	<a href="#">Truck Drivers</a>	Transit Mixer	\$10.00		<u>1</u>	

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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.

Benefit Code Key – Effective 3-4-2015 thru 9-1-2015

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.

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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.

Benefit Code Key – Effective 3-4-2015 thru 9-1-2015

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.

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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).

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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).

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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.

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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

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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.

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

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

1. Is the item fabricated for a public works project? If not, it is not subject to RCW 39.12. If it is, go to question 2.
2. Is the item fabricated on the public works jobsite? If it is, the work is covered under RCW 39.12. If not, go to question 3.
3. Is the item fabricated in an assembly/fabrication plant set up for, and dedicated primarily to, the public works project? If it is, the work is covered by RCW 39.12. If not, go to question 4.
4. Does the item require any assembly, cutting, modification or other fabrication by the supplier? If not, the work is not covered by RCW 39.12. If yes, go to question 5.
5. Is the prefabricated item intended for the public works project typically an inventory item which could reasonably be sold on the general market? If not, the work is covered by RCW 39.12. If yes, go to question 6.
6. Does the specific prefabricated item, generally defined as standard, have any unusual characteristics such as shape, type of material, strength requirements, finish, etc? If yes, the work is covered under RCW 39.12.

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

**WSDOT's  
Predetermined List for  
Suppliers - Manufactures - Fabricator**

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

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

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

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

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

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

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

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

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

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

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

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

This project is subject to the state hourly minimum rates for wages and fringe benefits in the contract provisions, as provided by the state Department of Labor and Industries.

The following list of occupations, is comprised of those occupations that are not normally used in the construction of heavy and highway projects.

When considering job classifications for use and / or payment when bidding on, or building heavy and highway construction projects for, or administered by WSDOT, these Occupations will be excepted from the included "Washington State Prevailing Wage Rates For Public Work Contracts" documents.

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

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

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

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

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

**WAC 296-127-018 Agency filings affecting this section**

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

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

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

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

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

(ii) At multiple points at the project; or

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

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

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

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

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

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

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

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

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

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

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

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

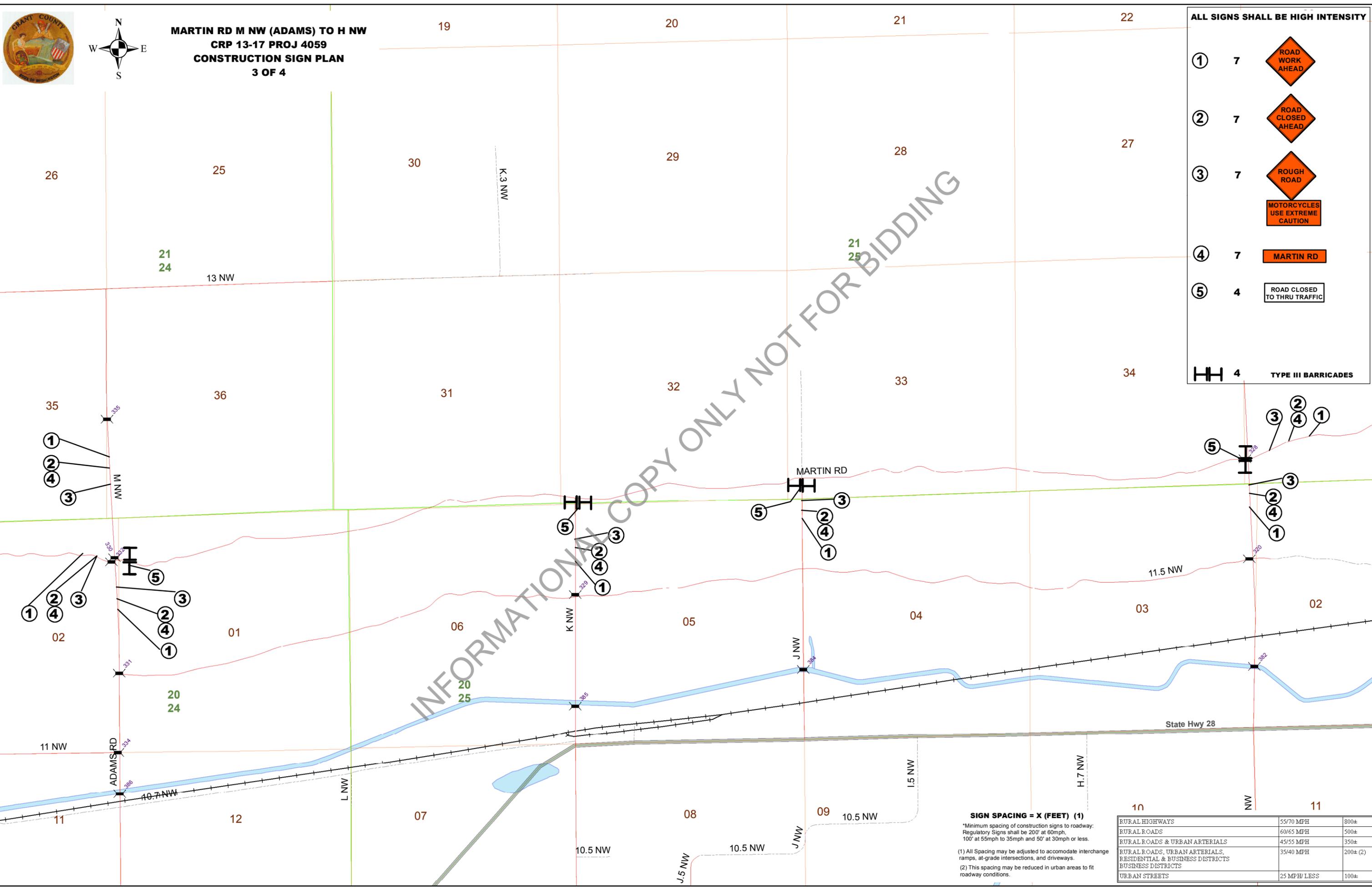
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**MARTIN RD M NW (ADAMS) TO H NW**  
**CRP 13-17 PROJ 4059**  
**CONSTRUCTION SIGN PLAN**  
**3 OF 4**



**ALL SIGNS SHALL BE HIGH INTENSITY**

①	7	
②	7	
③	7	 MOTORCYCLES USE EXTREME CAUTION
④	7	
⑤	4	
	4	<b>TYPE III BARRICADES</b>

**SIGN SPACING = X (FEET) (1)**

\*Minimum spacing of construction signs to roadway:  
 Regulatory Signs shall be 200' at 60mph,  
 100' at 55mph to 35mph and 50' at 30mph or less.

- (1) All Spacing may be adjusted to accommodate interchange ramps, at-grade intersections, and driveways.
- (2) This spacing may be reduced in urban areas to fit roadway conditions.

	55/70 MPH	800±
RURAL HIGHWAYS	55/70 MPH	800±
RURAL ROADS	60/65 MPH	500±
RURAL ROADS & URBAN ARTERIALS	45/55 MPH	350±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	35/40 MPH	200± (2)
URBAN STREETS	25 MPH/ LESS	100±



**MARTIN RD M NW (ADAMS) TO H NW**  
**CRP 13-17 PROJ 4059**  
**DETOUR SIGN PLAN**  
**4 OF 4**

19

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22

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26

21  
24

13 NW

K.3 NW



35

36

31

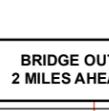
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**ALL SIGNS SHALL BE HIGH INTENSITY**

- ① 4 
- ② 3 
- ③ 3 
- ④ 3 
- ⑤ 3 
- ⑥ 3 
- ⑦ 3 
- ⑧ 1 

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MARTIN RD

K NW

J NW

J.7 NW

10.5 NW

J.5 NW

10.5 NW

J NW

10.5 NW

I.5 NW

H.7 NW

State Hwy 28

01

06

05

04

03

02

12

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08

09

10

11

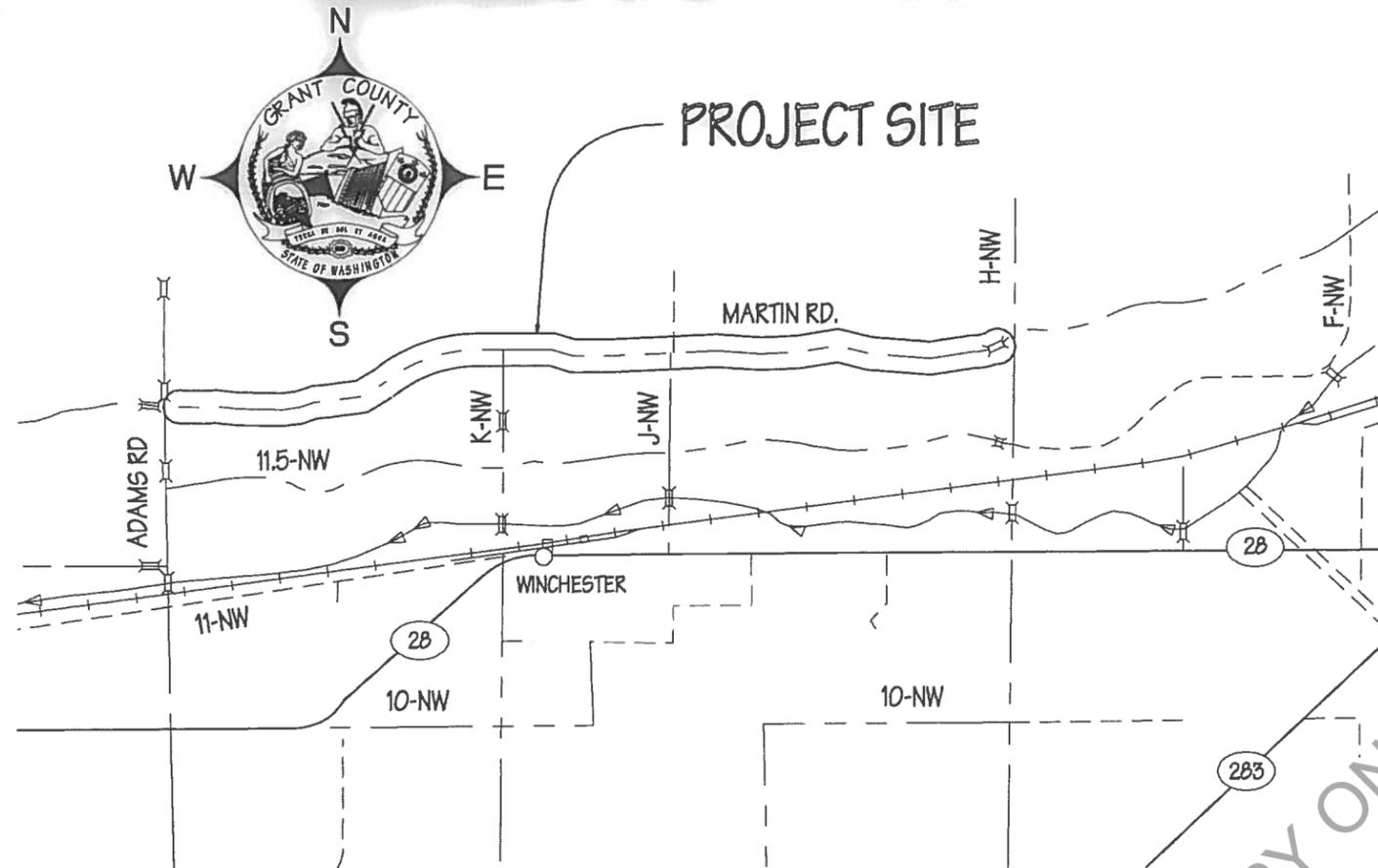
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RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	35/40 MPH	200± (2)
URBAN STREETS	25 MPH/ LESS	100±

# MARTIN ROAD RECONSTRUCTION



MATERIAL SOURCE:  
 QUARRY SITE #580 LOCATED IN SEC. 28, TWP. 21N., RNG. 24E.W.M.,  
 ON COUNTY ROAD P-NW

## LEGEND

- |  |                |  |                  |
|--|----------------|--|------------------|
|  | POWER POLE     |  | CONTROL POINT    |
|  | TELEPHONE PED. |  | SYPHON           |
|  | FENCE LINE     |  | MAILBOX          |
|  | CULVERT        |  | TELEPHONE LINE   |
|  | TREE LINE      |  | FIBER OPTIC LINE |

SHEET	DESCRIPTION
1	INDEX & VICINITY MAP
2	SUMMARY OF QUANTITIES
3, 4	STRUCTURE NOTES
5 - 22	PLAN AND PROFILE
22	TYPICAL X-SECTIONS
23	BRIDGE DETAILS

Grant County  
 Board Of Commissioners

Richard Stevens, District No. 1 (Chair)  
 Carolann Swartz, District No. 2  
 Cindy Carter, District No. 3

GRANT COUNTY PUBLIC WORKS DEPARTMENT  
 124 ENTERPRISE ST. SE  
 EPHRATA, WASHINGTON 98823  
 (509) 754-6082 FAX (509) 754-6087



MARTIN ROAD RECONSTRUCTION  
 B-SE & 10-SE  
 ROAD RECONSTRUCTION

CRP 13-17

DESIGNED BY: BOB BERSANTI  
 CHECKED BY: TODD MITTGE  
 APPROVED BY: JEFF TINCHER  
 REVISIONS BY:  
 DATE REVISED: 4/30/2015  
 FEDERAL AID NO.:



DATE: 5/4/2015

SHEET  
 1  
 OF  
 23

# SUMMARY OF QUANTITIES

MARTIN ROAD

STA. 10+14  
TO  
STA. 281+43

ITEM NO.	TOTAL QUANTITY	UNIT	ITEM DESCRIPTION	MARTIN ROAD			
<b>PREPARATION</b>							
1	1	L.S.	Mobilization	1			
2	1	L.S.	Notification	1			
3	1	L.S.	Clearing & Grubbing	1			
4	1	L.S.	Removal Of Existing Bridge #328 Martin Road	1			
<b>GRADING</b>							
5	71,177	S.Y.	Rotomilling Bituminous Pavement	71,177			
6	14,295	C.Y.	Roadway Excavation Including Haul	14,295			
7	9,369	C.Y.	Embankment Compaction	9,369			
8	160	S.Y.	Construction Geotextile For Separation	160			
<b>DRAINAGE</b>							
9	50	L.F.	Plain Steel Culver Pipe 0.064" Th. - 18" Diameter	50			
<b>SURFACING</b>							
10	33,435	TON	Crushed Surfacing Base Course <del>From Stockpile #580</del> (ST)	33,435			
11	21,500	TON	Maintenance Rock <del>from Stockpile #580</del>	21,500			
<b>HOT MIX ASPHALT</b>							
12	140	TON	Commercial HMA Class 3/8" Incl. P664-28 Paving Asphalt	140			
<b>STRUCTURE</b>							
13	1	L.S.	Bridge #328 Martin Road	1			
<b>TRAFFIC</b>							
14	35	L.F.	Beam Guardrail Type 31	35			
15	2	EACH	Beam Guardrail Anchor Type 10	2			
16	2	EACH	Beam Guardrail Non Flared Terminal	2			
17	4	EACH	Three Beam Guardrail Reducer Type B	4			
18	81,000	L.F.	Paint Line	81,000			
19	1	L.S.	Permanent Signing	1			
<b>OTHER ITEMS</b>							
20	13	C.Y.	Structure Excavation Class "B" Including Haul	13			
21	10	C.Y.	Gravel Backfill For Pipe Zone Bedding	10			
22	16	C.Y.	Gravel Backfill For Walls	16			
23	350	C.Y.	Quarry Spalls For Ditch Drainage	350			
24	1	L.S.	Spill Prevention, Control, and Countermeasure (SPCC) Plan	1			
25	1	L.S.	Trimming and Cleanup	1			
26	10	ACRE	Seeding, Fertilizing and Mulching with Roadside Mix	10			
27	-1.00	Dol.	Minor Change	-1.00			

NOTE: For Special Features See Special Provisions.

**GRANT COUNTY PUBLIC WORKS DEPARTMENT**  
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**MARTIN ROAD RECONSTRUCTION**  
**B-SE & 10-SE**  
**ROAD RECONSTRUCTION**

CRP 13-17

DESIGNED BY: BOB BERSANTI  
CHECKED BY: TODD MITTGE  
APPROVED BY: JEFF TINCHER  
REVISIONS BY:  
DATE REVISED: 4/30/2015  
FEDERAL AID NO.:



DATE: **5/4/2015**

SHEET  
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OF  
23

# STRUCTURE NOTES

NOTE: THE FIRST NUMBER OF THE "CODE" REFERS TO THE PLAN SHEET NUMBER OF THE CONTRACT PLANS. THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THE PARTICULAR SHEET.

CODE	LOCATION	R/L	ELEV.	MISC.	Pl. St. Culvert Pipe 18" Dia. 0.064" Th.	Crushed Maintenance Rock	Crushed Surfacing Base Course	Gravel Backfill For Pipe Zone Bedding	Structure Ex. Class "B" Incl. Haul	REMARKS
	ROAD B-SE				L.F.	TONS	TONS	C.Y.	C.Y.	
5-1	STA. 19+10 TO 19+30	R	PLAN	F		2				4
5-2	STA. 19+80 TO 20+20	R	PLAN	F		4				4
6-1	STA. 24+80 TO 25+00	R	PLAN	F		2				4
6-2	STA. 35+50 TO 35+70	R	PLAN	F		2				4
6-3	STA. 37+00 TO 37+20	R	PLAN	F		2				4
6-4	STA. 38+55 TO 38+75	R	PLAN	F		2				4
7-1	STA. 48+50 TO 48+80	L	PLAN	O&M		2				4
7-2	STA. 52+30 TO 52+50	R	PLAN	F		2				4
8-1	STA. 62+30 TO 62+50	R	PLAN	F		2				4
8-2	STA. 62+40 TO 62+60	L	PLAN	F		2				4
8-3	STA. 68+80 TO 66+00	R	PLAN	F		2				4
8-4	STA. 68+00 TO 68+30	R	PLAN	F		3				4
9-1	STA. 79+80 TO 81+30	R	PLAN	F		10				4
9-2	STA. 83+40 TO 83+60	R	PLAN	F		2				4
9-3	STA. 85+70 TO 86+00	L	PLAN	F		3				4
10-1	STA. 94+40 TO 94+60	R	PLAN	F		2				4
10-2	STA. 95+60 TO 95+80	R	PLAN	F		2				4
10-3	STA. 102+10 TO 102+30	R	PLAN	F		2				4
11-1	STA. 105+80 TO 106+00	L	PLAN	F		2				4
11-2	STA. 105+80 TO 106+00	R	PLAN	F		2				4
11-3	STA. 120+70 TO 120+90	L	PLAN	F		2				4
12-1	STA. 121+00 TO 121+28	R	PLAN	ROAD		70	90			4
12-2	STA. 133+90 TO 134+10	R	PLAN	F		2				4
12-3	STA. 134+40 TO 134+60	R	PLAN	F		2				4
12-4	STA. 134+80 TO 135+00	R	PLAN	F		2				4
13-1	STA. 138+40 TO 138+70	L	PLAN	F		3				4
13-2	STA. 139+80 TO 140+80	R	PLAN	F		10				4
13-3	STA. 148+90 TO 149+10	R	PLAN	F		2				4
14-1	STA. 156+70 TO 156+90	R	PLAN	F		2				4
14-2	STA. 157+80 TO 158+00	R	PLAN	F		2				4

## GENERAL NOTES

Miscellaneous  
 BD = Bottom of Ditch  
 CP = Catch point  
 CROSS = Crossing Pipe  
 R = Residential  
 F = Farm  
 PLAN = Elevation on Plans  
 O&M = O&M Road  
 C = Commercial

1. Field adjust termini as directed by the engineer.
2. Install 3:1 beveled end sections per standard plans.
3. Remove existing culvert and salvage to the contractor.
4. Quantities for embankment and roadway excavation are included in plan quantities whether shown or not.

NOTE: For Special Features See Special Provisions.

Page Total

0 145 90 0 0 0

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MARTIN ROAD RECONSTRUCTION  
 B-SE & 10-SE  
 ROAD RECONSTRUCTION  
 CRP 13-17

DESIGNED BY: BOB BERSANTI  
 CHECKED BY: TODD MITTGE  
 APPROVED BY: JEFF TINCHER  
 REVISIONS BY:  
 DATE REVISED: 4/30/2015  
 FEDERAL AID NO.:



DATE: 5/4/2015

SHEET  
 3  
 OF  
 23

# STRUCTURE NOTES

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CODE	LOCATION	R/L	ELEV.	MISC.	P.I. St. Culvert Pipe 18" Dia. 0.064" Th.	L.F.	Crushed Maintenance Rock TONS	Crushed Surfacing Base Course TONS	Gravel Backfill For Pipe Zone Bedding C.Y.	Structure Ex. Class "B" Incl. Haul C.Y.	REMARKS
15-1	STA. 174+55	R/L	BD	CROSS		50			10	13	1,23
15-2	STA. 174+75 TO 175+03	R	PLAN	ROAD			70	90			4
15-3	STA. 174+75 TO 175+03	L	PLAN	ROAD			70	90			4
15-4	STA. 176+40 TO 177+10	R	PLAN	F			8				4
15-5	STA. 181+10 TO 181+30	R	PLAN	F			2				4
16-1	STA. 187+60 TO 187+80	R	PLAN	F			2				4
16-2	STA. 198+50 TO 198+80	R	PLAN	F			3				4
17-1	STA. 204+70 TO 205+30	R	PLAN	F			6				4
17-2	STA. 212+50 TO 212+80	R	PLAN	F			3				4
17-3	STA. 212+50 TO 212+80	L	PLAN	F			3				4
17-4	STA. 216+40 TO 216+70	R	PLAN	F			3				4
18-1	STA. 223+80 TO 224+00	R	PLAN	F			2				4
18-2	STA. 226+60 TO 226+80	R	PLAN	F			2				4
18-3	STA. 229+10 TO 229+40	R	PLAN	F			3				4
19-1	STA. 244+60 TO 244+80	R	PLAN	F			2				4
19-2	STA. 245+00 TO 245+20	R	PLAN	F			2				4
20-1	STA. 250+30 TO 250+50	L	PLAN	F			2				4
20-2	STA. 261+30 TO 261+50	R	PLAN	F			2				4
19-1	STA. 2266+10 TO 266+40	R	PLAN	F			2				4
19-2	STA. 266+80 TO 267+20	R	PLAN	F			2				4
19-3	STA. 270+00 TO 271+00	R	PLAN	F			3				4
19-4	STA. 280+10 TO 280+30	R	PLAN	O&M			2				4
19-5	STA. 280+10 TO 280+30	L	PLAN	O&M			2				4
19-6	STA. 280+60 TO 281+20	R/L	PLAN	BR							4
20-1	STA. 281+02 TO 281+30	L	PLAN	ROAD			70	90			4
20-2	STA. 281+02 TO 281+30	R	PLAN	ROAD			70	90			4

## GENERAL NOTES

### Miscellaneous

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 BR = Bridge  
 CROSS = Crossing Pipe  
 R = Residential  
 F = Farm  
 PLAN = Elevation on Plans  
 O&M = O&M Road  
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1. Field adjust termini as directed by the engineer.
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50 333 360 10 13

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 B-SE & 10-SE  
 ROAD RECONSTRUCTION

CRP 13-17

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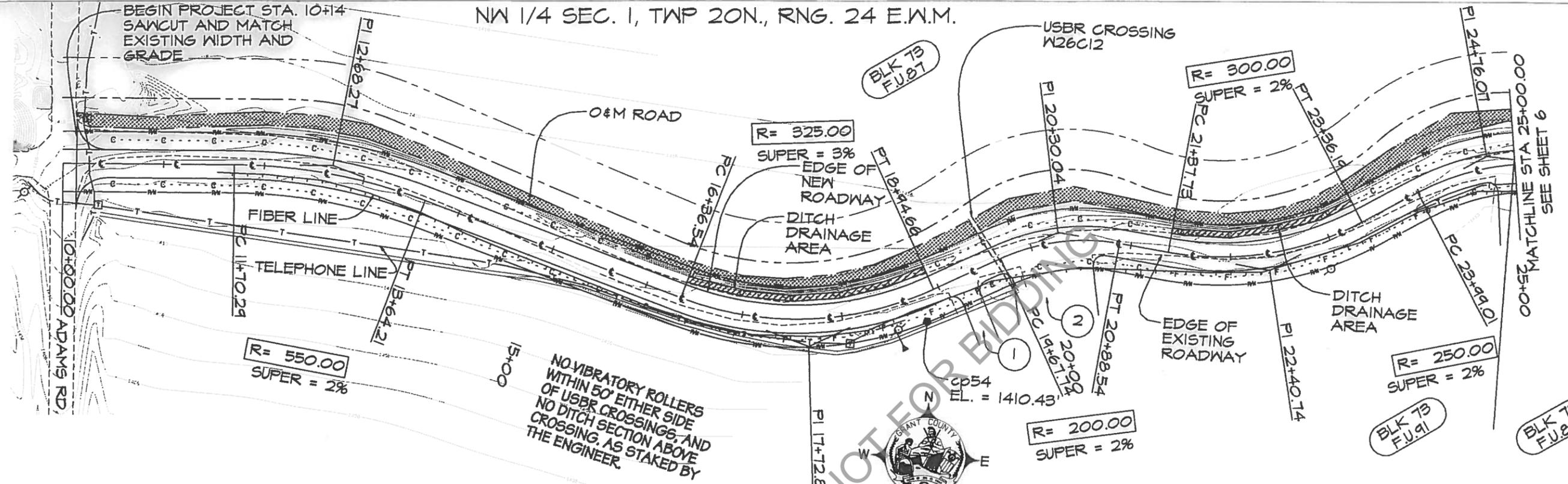


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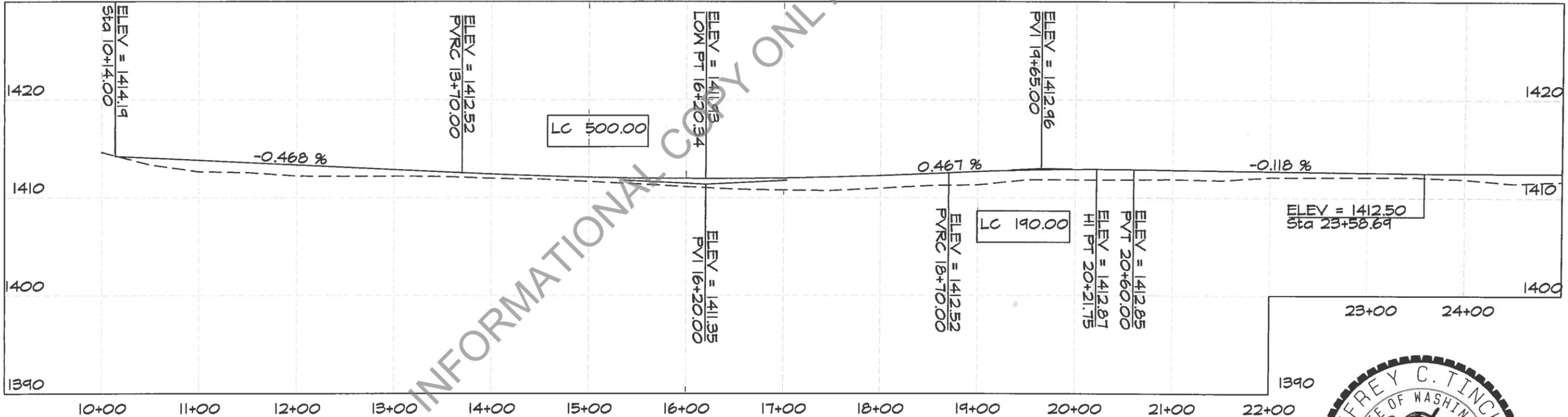
BEGIN PROJECT STA. 10+14  
 SAWCUT AND MATCH  
 EXISTING WIDTH AND  
 GRADE

NW 1/4 SEC. 1, TWP 20N., RNG. 24 E.W.M.

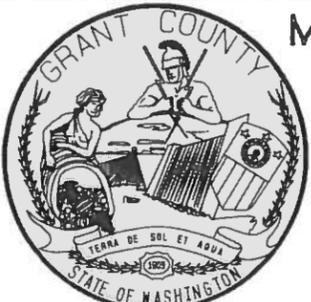


ROADWAY EXCAVATION = 587 C.Y.  
 EMBANKMENT = 330 C.Y.

ROADWAY EXCAVATION = 444 C.Y.  
 EMBANKMENT = 366 C.Y.



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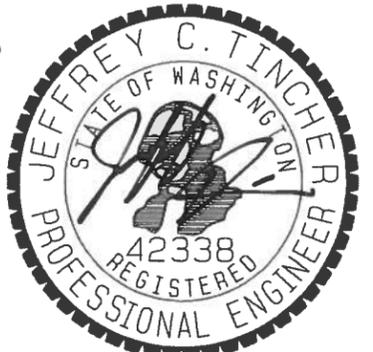
MARTIN ROAD RECONSTRUCTION



SCALE  
 (in feet)

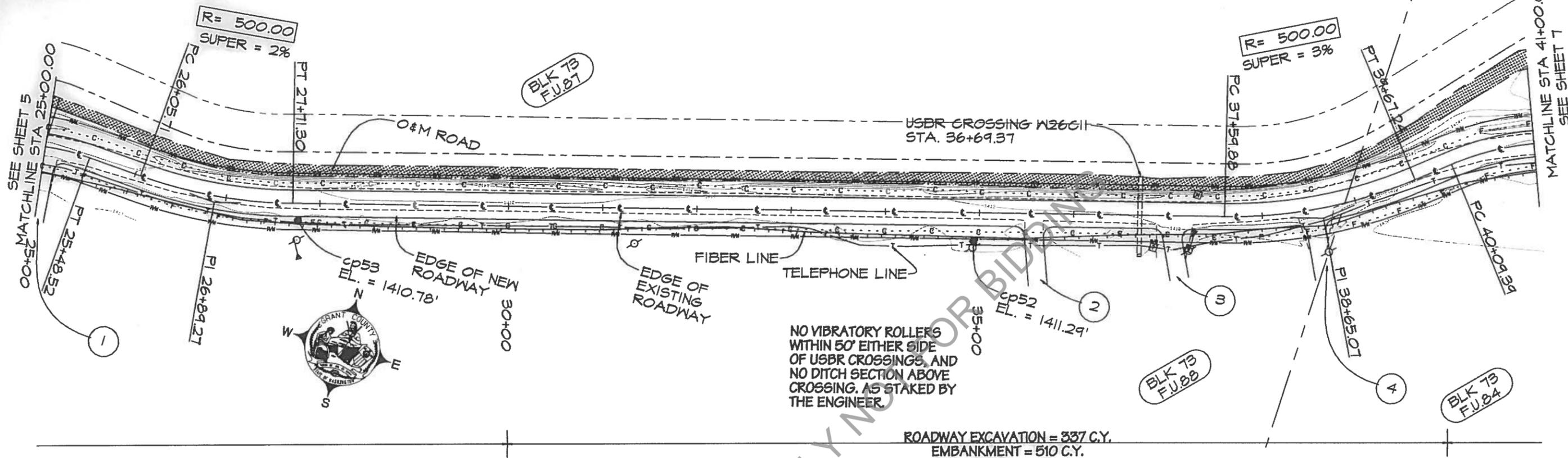
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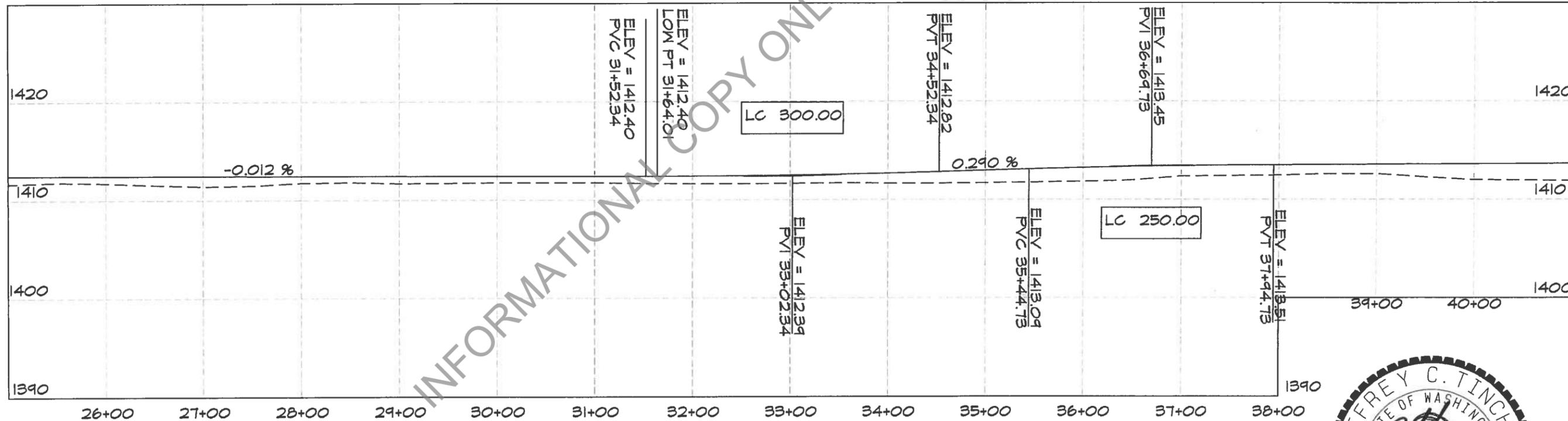


DATE: 5/4/2015

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ROADWAY EXCAVATION = 337 C.Y.  
EMBANKMENT = 510 C.Y.



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MARTIN ROAD RECONSTRUCTION



SCALE (in feet)

CRP 13-17

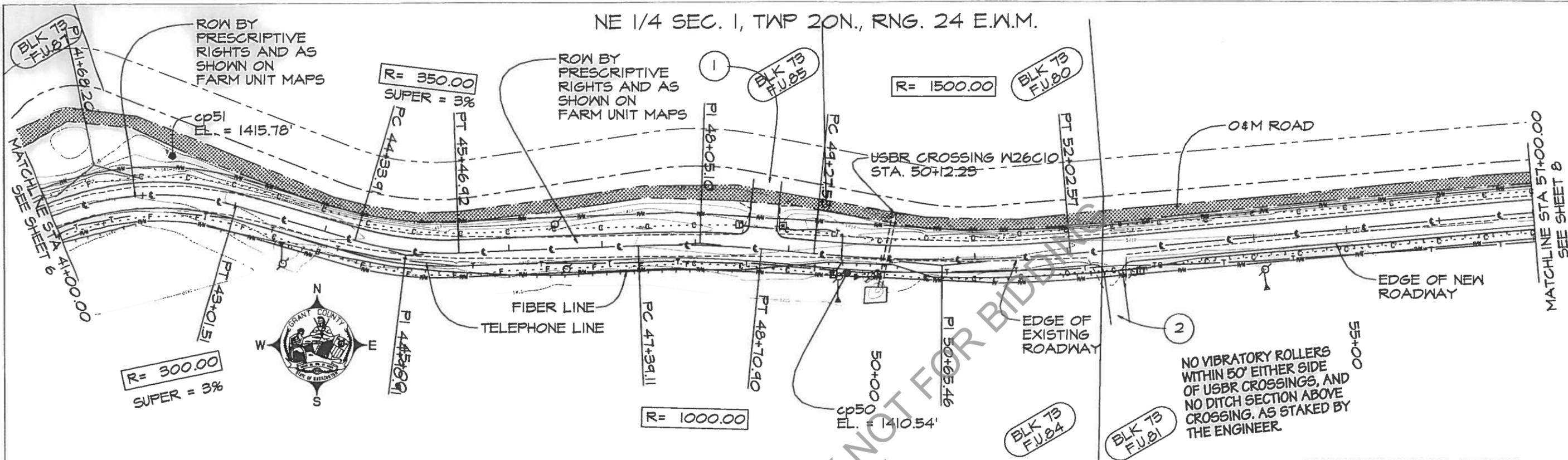
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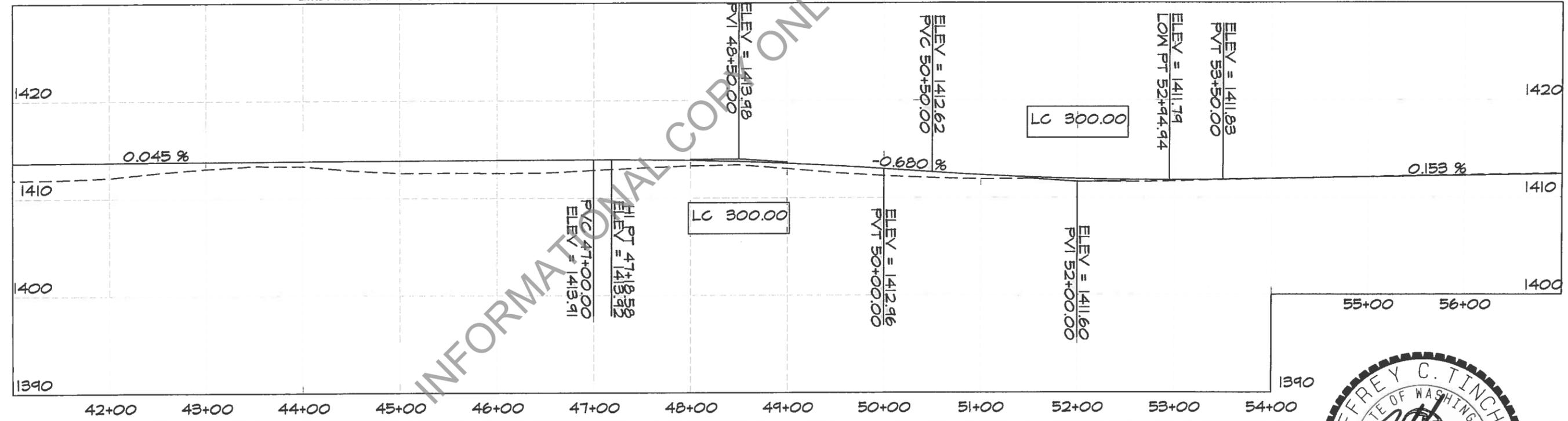
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23

NE 1/4 SEC. 1, TWP 20N., RNG. 24 E.W.M.



ROADWAY EXCAVATION = 346 C.Y.  
EMBANKMENT = 657 C.Y.

ROADWAY EXCAVATION = 1348 C.Y.  
EMBANKMENT = 52 C.Y.



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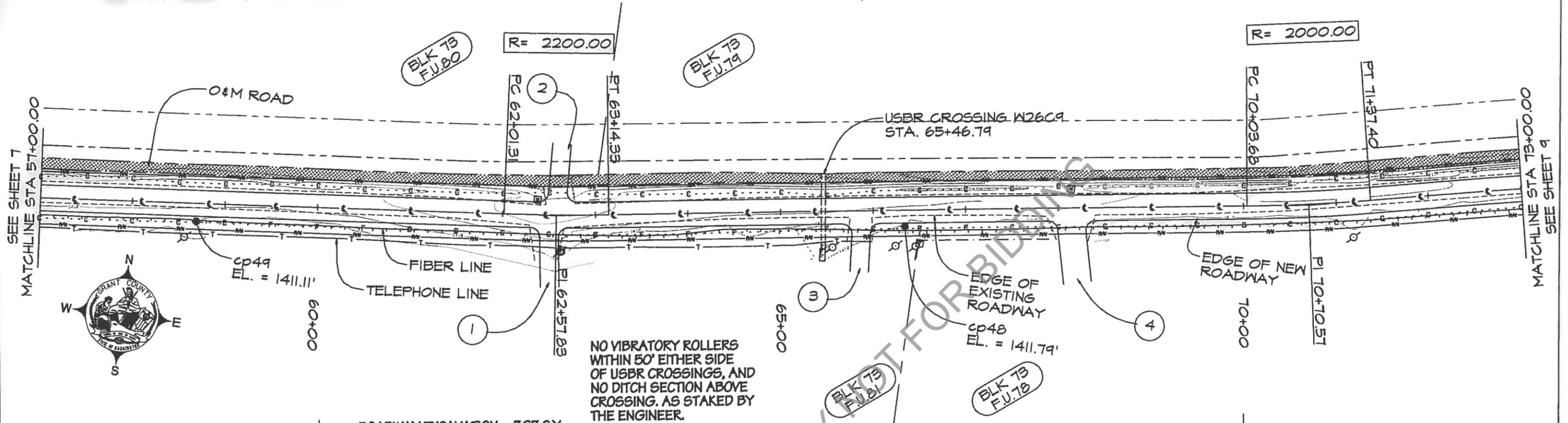


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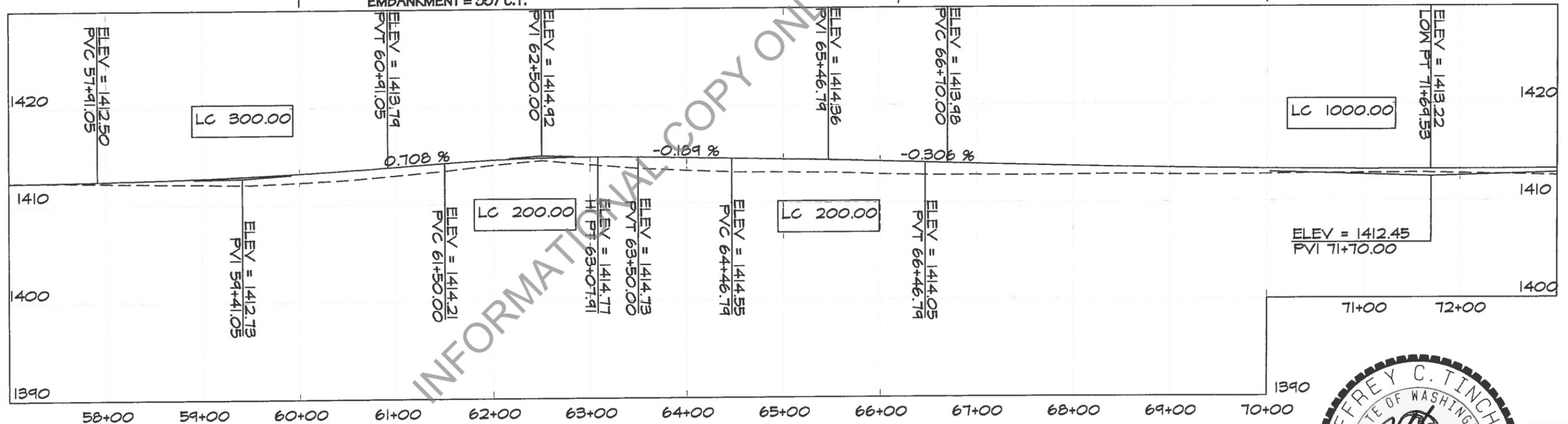
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OF  
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NE 1/4 SEC. 1, TWP 20N., RNG. 24 E.W.M.

NW 1/4 SEC. 6, TWP 20N., RNG. 25 E.W.M.



ROADWAY EXCAVATION = 367 C.Y.  
EMBANKMENT = 357 C.Y.



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### MARTIN ROAD RECONSTRUCTION



SCALE  
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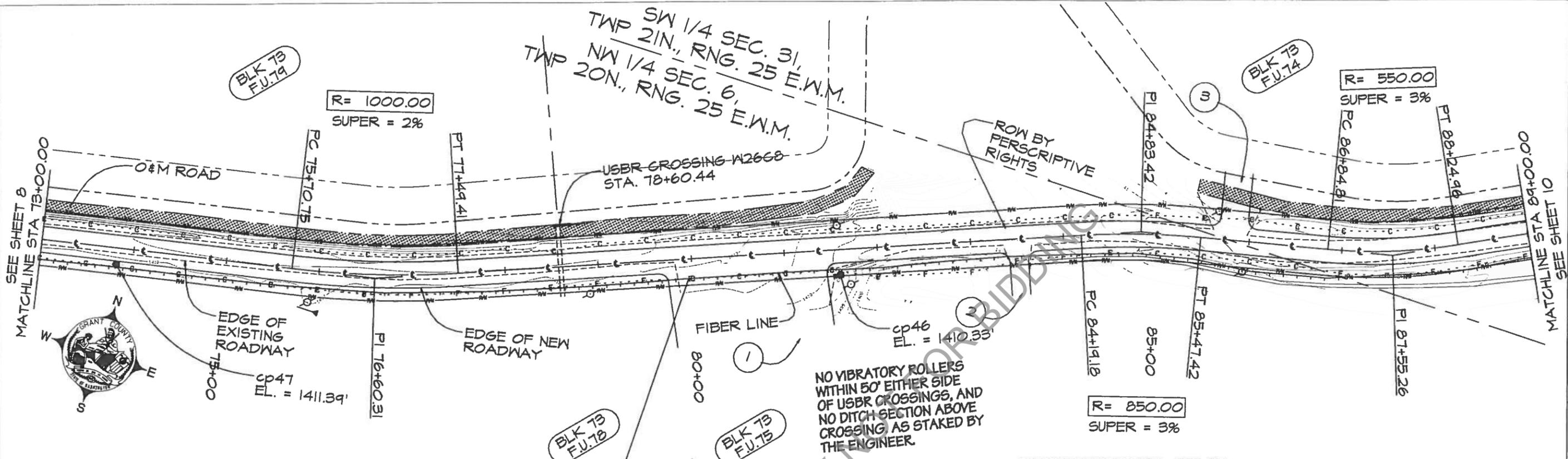
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 DATE REVISED: 4/30/2015  
 FEDERAL AID NO.:



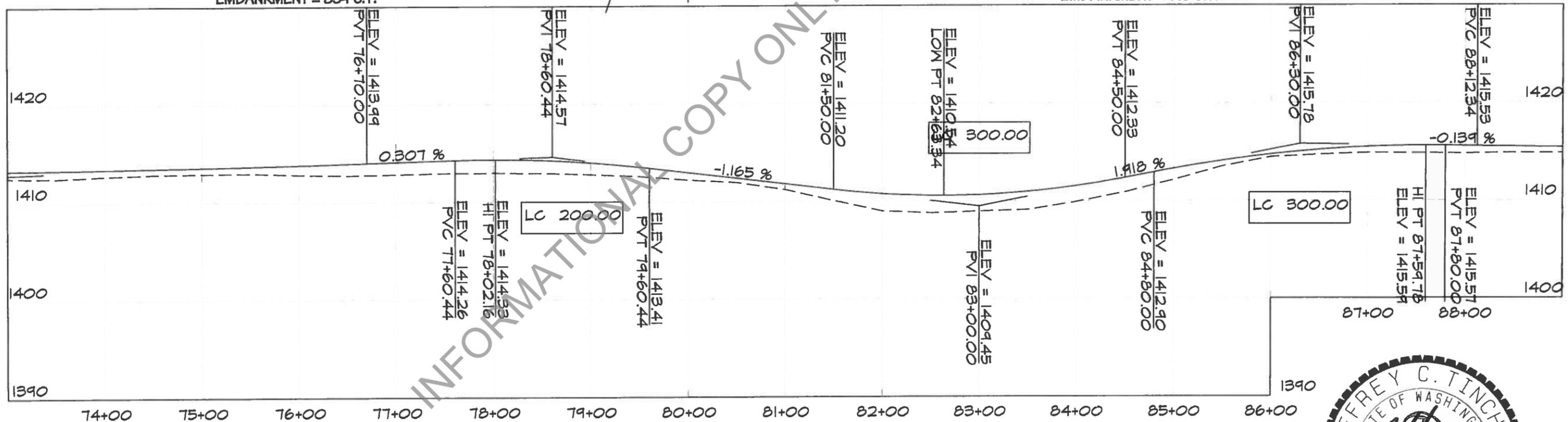
DATE: 5/4/2015

SHEET  
8  
OF  
23



ROADWAY EXCAVATION = 550 C.Y.  
EMBANKMENT = 354 C.Y.

ROADWAY EXCAVATION = 333 C.Y.  
EMBANKMENT = 716 C.Y.



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MARTIN ROAD RECONSTRUCTION



CRP 13-17

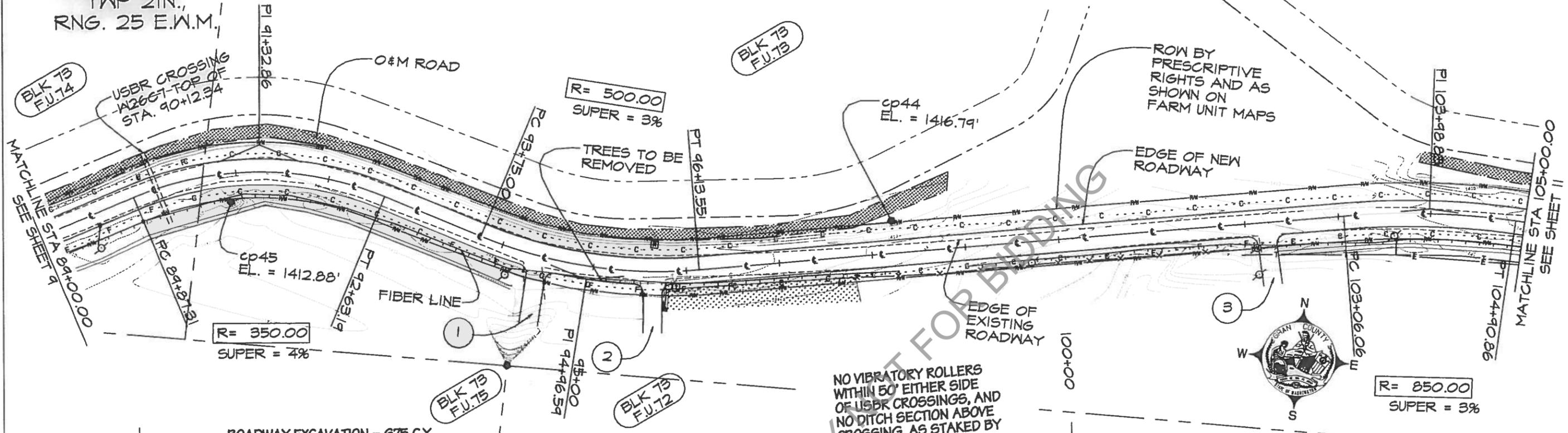
DESIGNED BY: BOB BERSANTI  
CHECKED BY: TODD MITTGE  
APPROVED BY: JEFF TINCHER  
REVISIONS BY:  
DATE REVISED: 4/30/2015  
FEDERAL AID NO.:



DATE: 5/4/2015

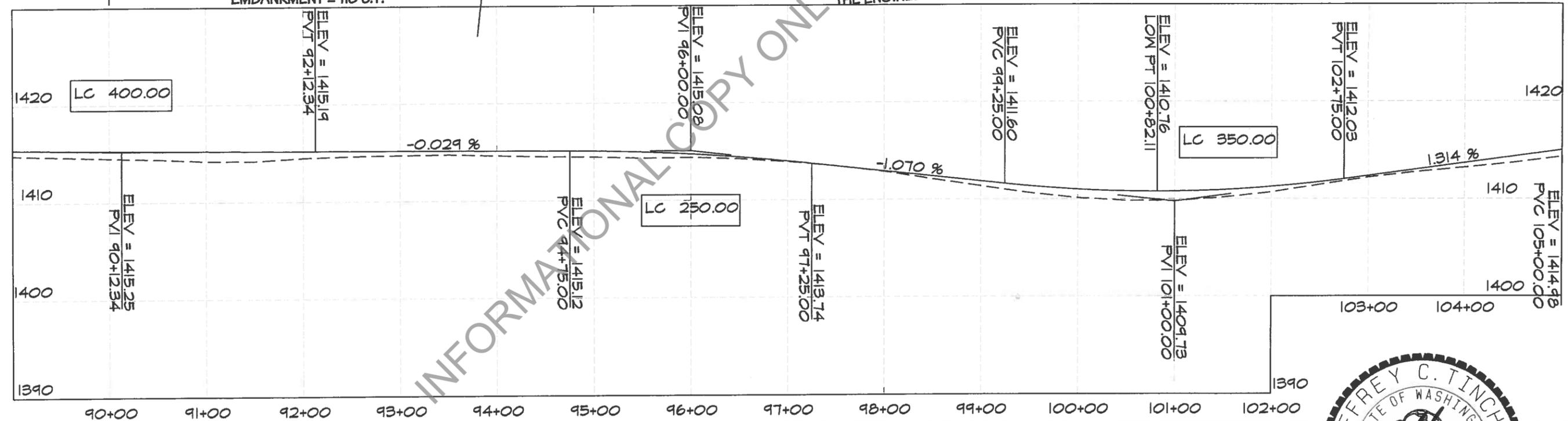
SHEET  
9  
OF  
23

SW 1/4 SEC. 31, TWP 21N., RNG. 25 E.W.M.  
 SE 1/4 SEC. 31, TWP 21N., RNG. 25 E.W.M.



ROADWAY EXCAVATION = 675 C.Y.  
 EMBANKMENT = 118 C.Y.

NO VIBRATORY ROLLERS  
 WITHIN 50' EITHER SIDE  
 OF USBR CROSSINGS, AND  
 NO DITCH SECTION ABOVE  
 CROSSING, AS STAKED BY  
 THE ENGINEER.



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**MARTIN ROAD RECONSTRUCTION**



SCALE  
 (in feet)

CRP 13-17

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 CHECKED BY: TODD MITTGE  
 APPROVED BY: JEFF TINCHER  
 REVISIONS BY:  
 DATE REVISED: 4/30/2015  
 FEDERAL AID NO.:

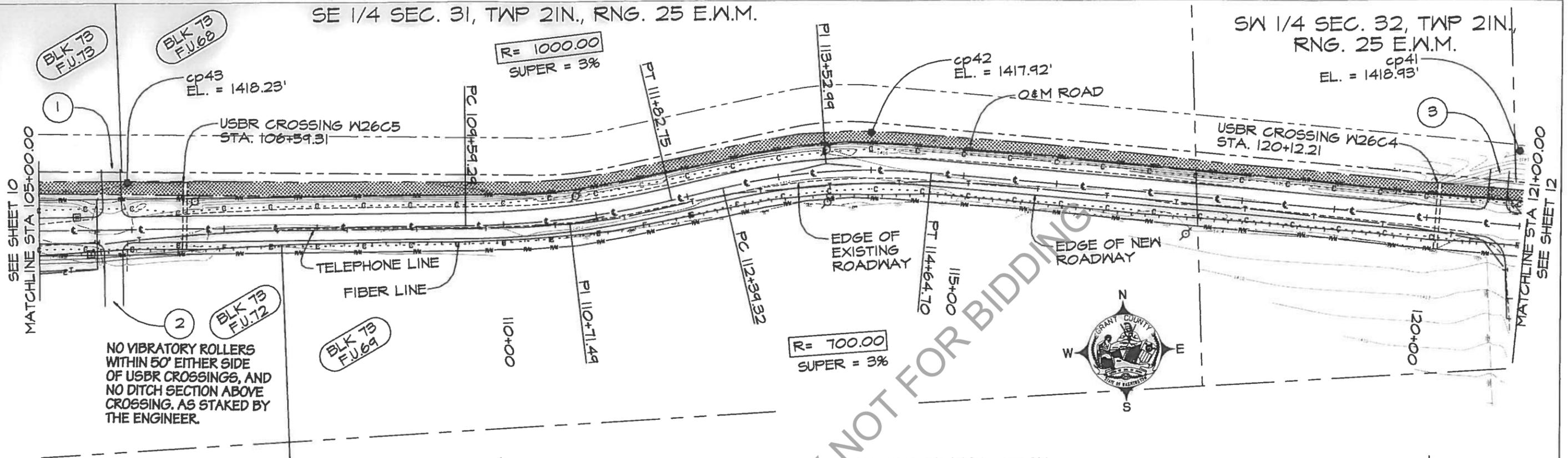


DATE: 5/4/2015

SHEET  
 10  
 OF  
 23

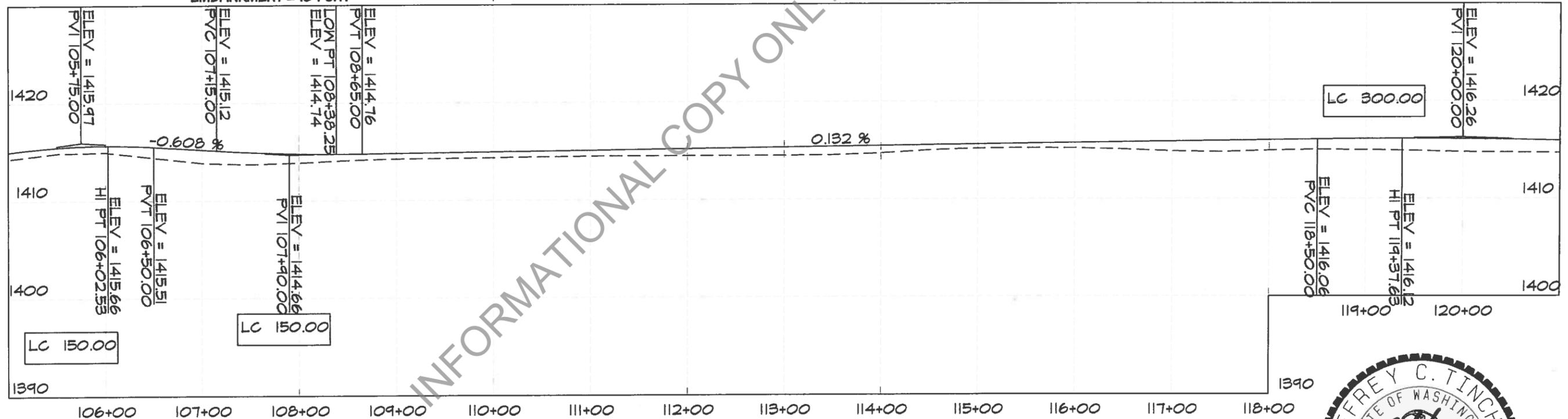
SE 1/4 SEC. 31, TWP 21N., RNG. 25 E.W.M.

SW 1/4 SEC. 32, TWP 21N.,  
RNG. 25 E.W.M.



ROADWAY EXCAVATION = 476 C.Y.  
EMBANKMENT = 184 C.Y.

ROADWAY EXCAVATION = 433 C.Y.  
EMBANKMENT = 225 C.Y.



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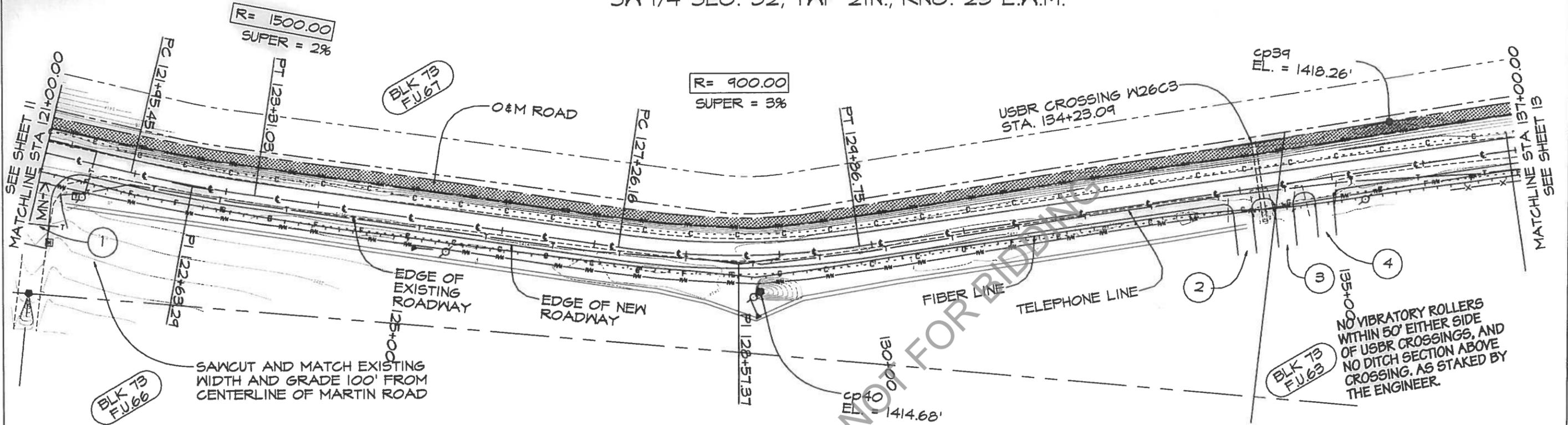


DATE: 5/4/2015

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11  
OF  
23

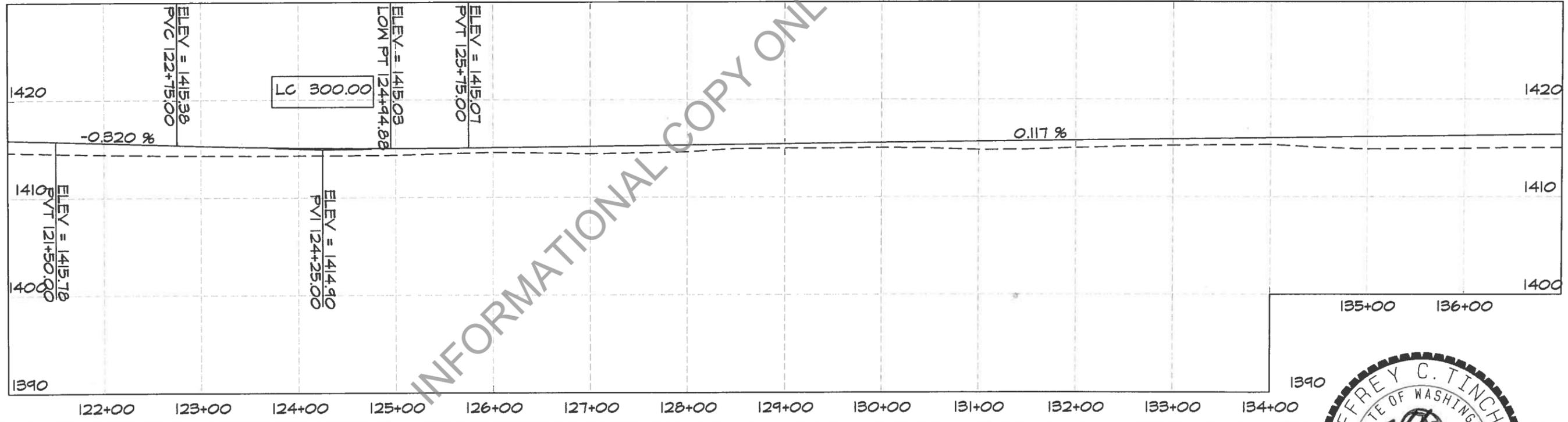
CRP 13-17

SW 1/4 SEC. 32, TWP 21N., RNG. 25 E.W.M.



ROADWAY EXCAVATION = 447 C.Y.  
EMBANKMENT = 384 C.Y.

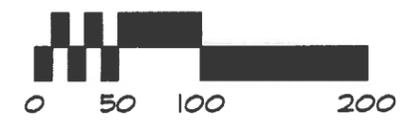
ROADWAY EXCAVATION = 445 C.Y.  
EMBANKMENT = 328 C.Y.



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MARTIN ROAD RECONSTRUCTION



SCALE (in feet)

CRP 13-17

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REVISIONS BY:  
DATE REVISED: 4/30/2015  
FEDERAL AID NO.:

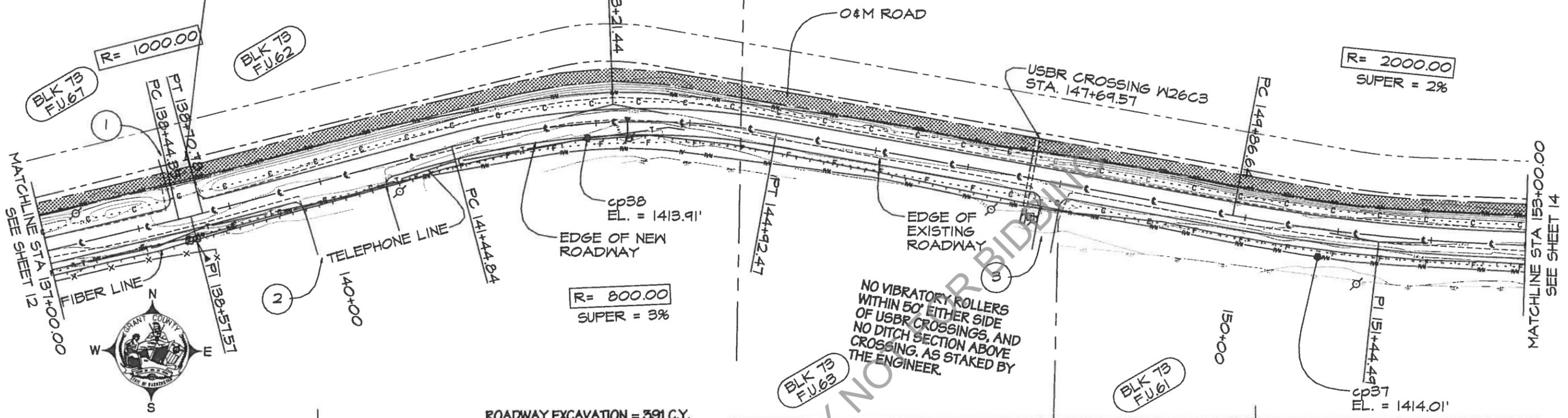


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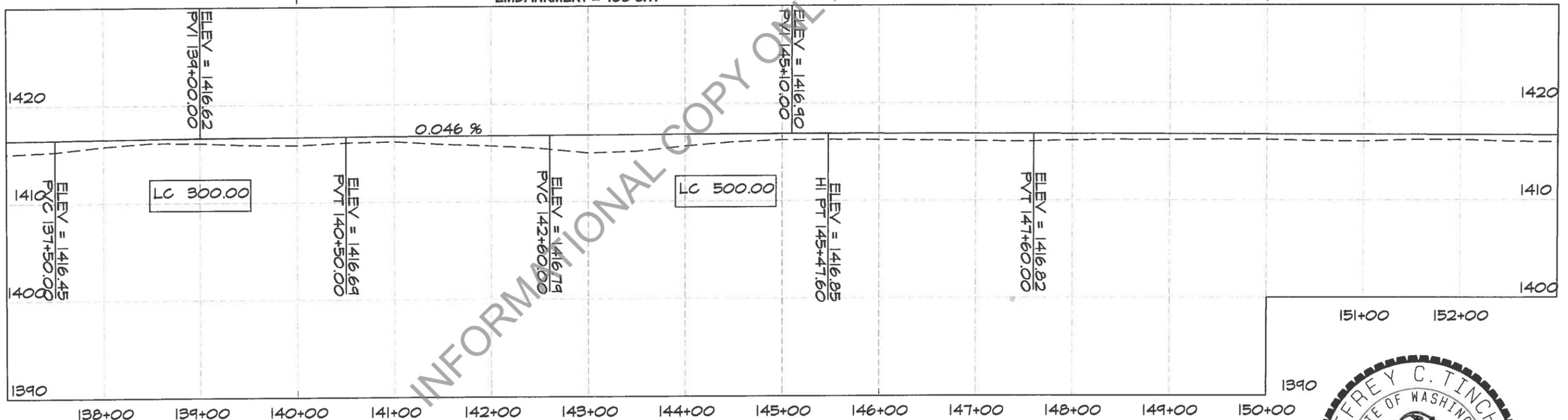
SHEET  
12  
OF  
23

SW 1/4 SEC. 32, TWP 21N., RNG. 25 E.W.M.

SE 1/4 SEC. 32, TWP 21N., RNG. 25 E.W.M.



ROADWAY EXCAVATION = 391 C.Y.  
EMBANKMENT = 488 C.Y.



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### MARTIN ROAD RECONSTRUCTION



SCALE  
(In feet)

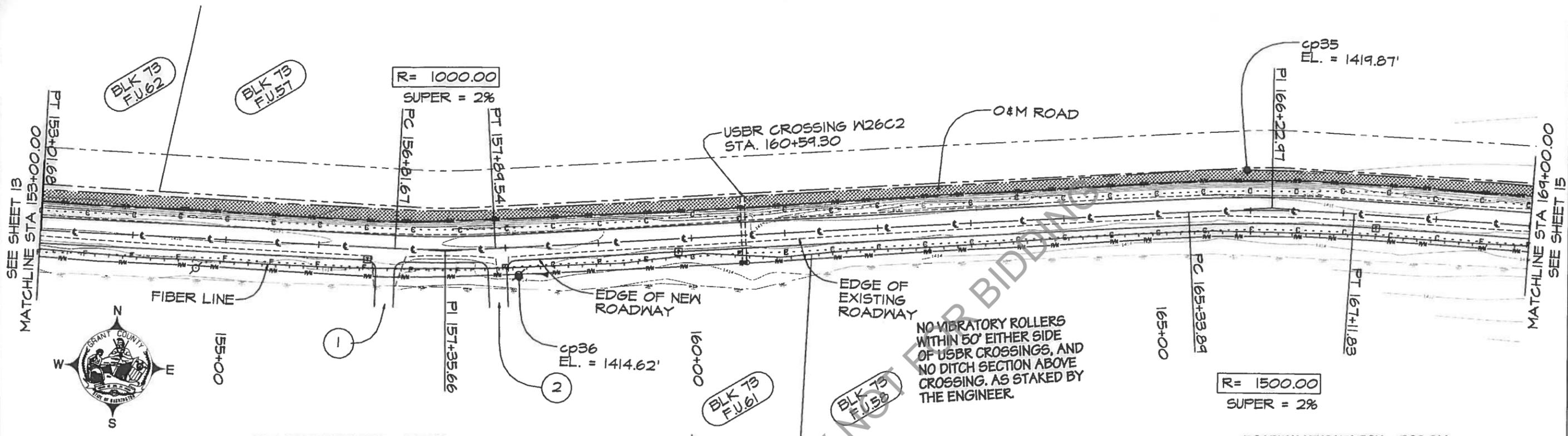
CRP 13-17

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 DATE REVISED: 4/30/2015  
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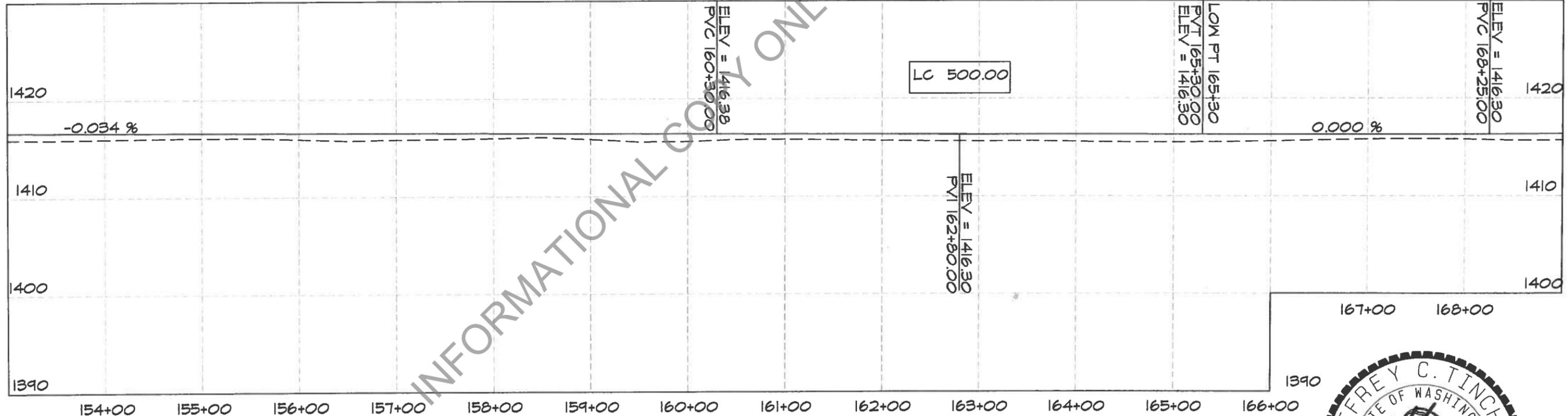
DATE: 5/4/2015

SHEET  
 13  
 OF  
 23



ROADWAY EXCAVATION = 497 C.Y.  
EMBANKMENT = 411 C.Y.

ROADWAY EXCAVATION = 562 C.Y.  
EMBANKMENT = 154 C.Y.



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MARTIN ROAD RECONSTRUCTION



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DATE REVISED: 4/30/2015  
FEDERAL AID NO.:

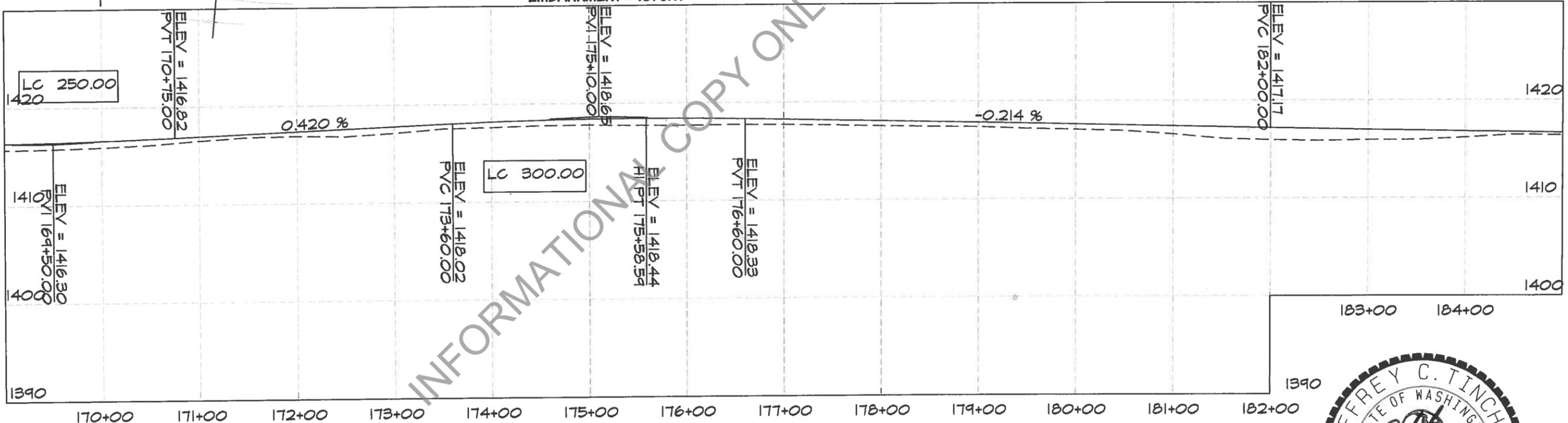
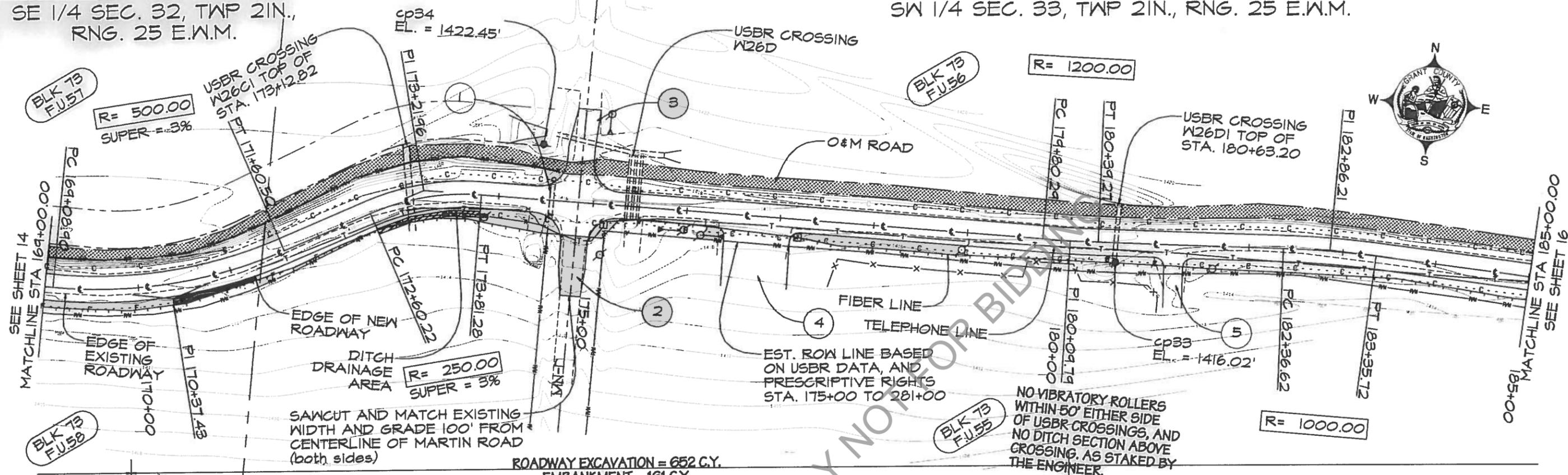


DATE: 5/4/2015

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OF  
23

SE 1/4 SEC. 32, TWP 21N.,  
RNG. 25 E.W.M.

SW 1/4 SEC. 33, TWP 21N., RNG. 25 E.W.M.



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MARTIN ROAD RECONSTRUCTION



SCALE  
(in feet)

CRP 13-17

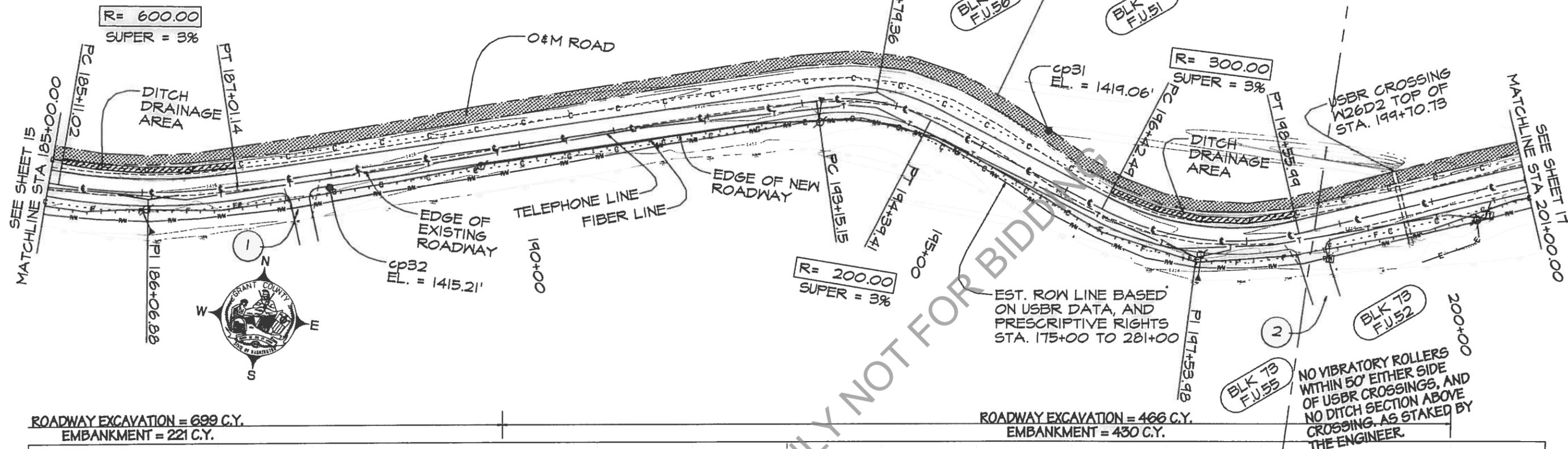
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DATE: 5/4/2015

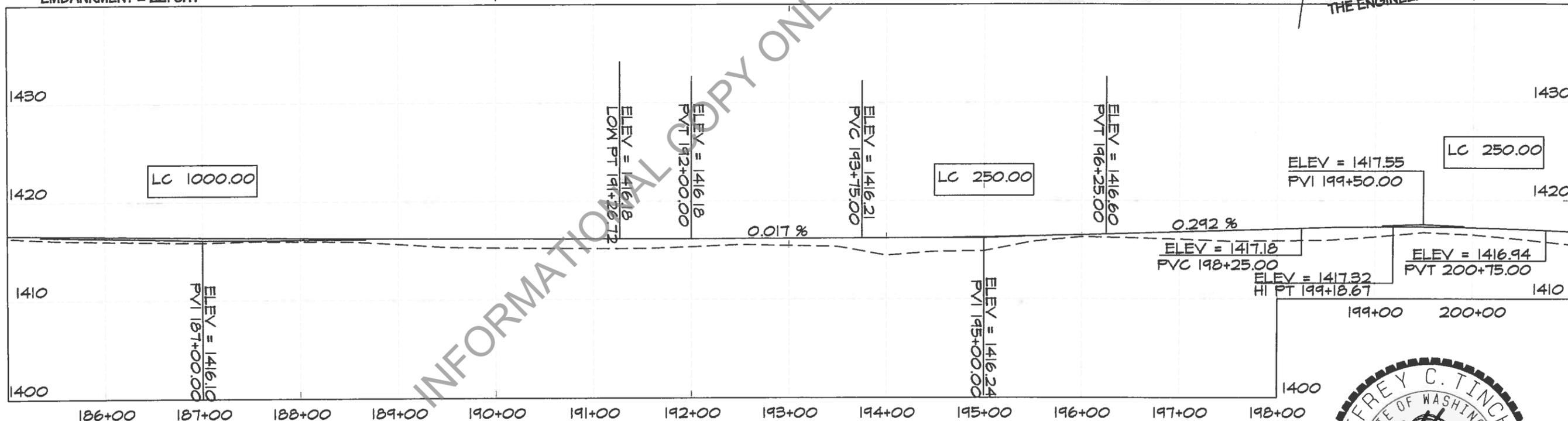
SHEET  
 15  
 OF  
 23

SW 1/4 SEC. 33, TWP 21N., RNG. 25 E.W.M.



ROADWAY EXCAVATION = 699 C.Y.  
EMBANKMENT = 221 C.Y.

ROADWAY EXCAVATION = 466 C.Y.  
EMBANKMENT = 430 C.Y.



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MARTIN ROAD RECONSTRUCTION



SCALE  
(in feet)

CRP 13-17

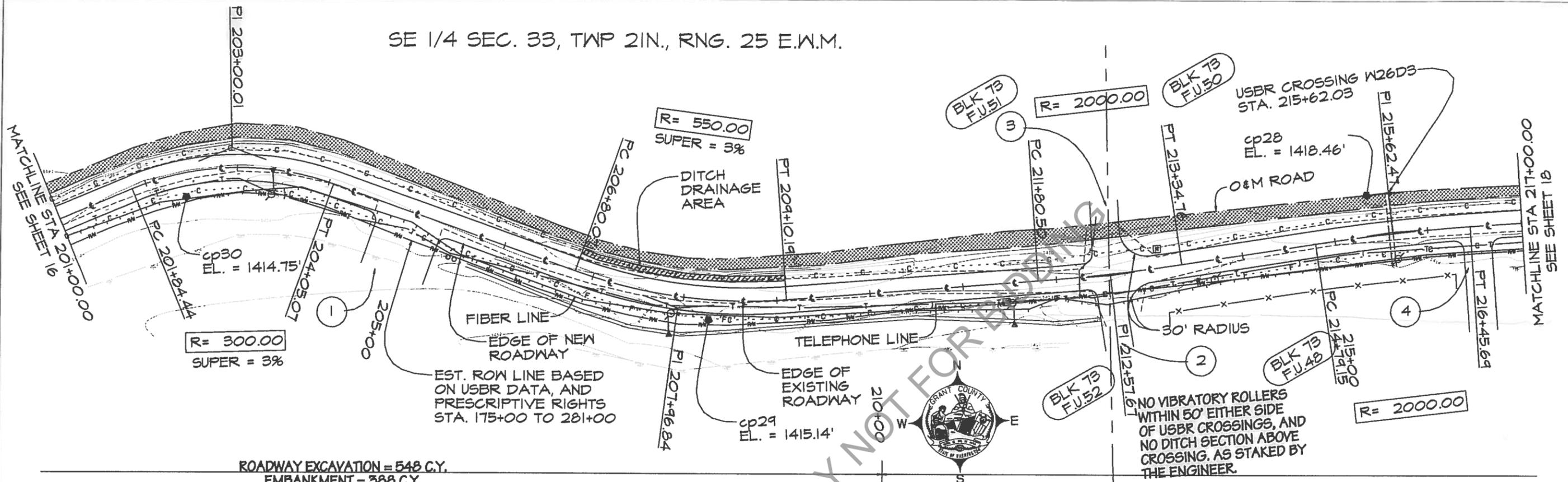
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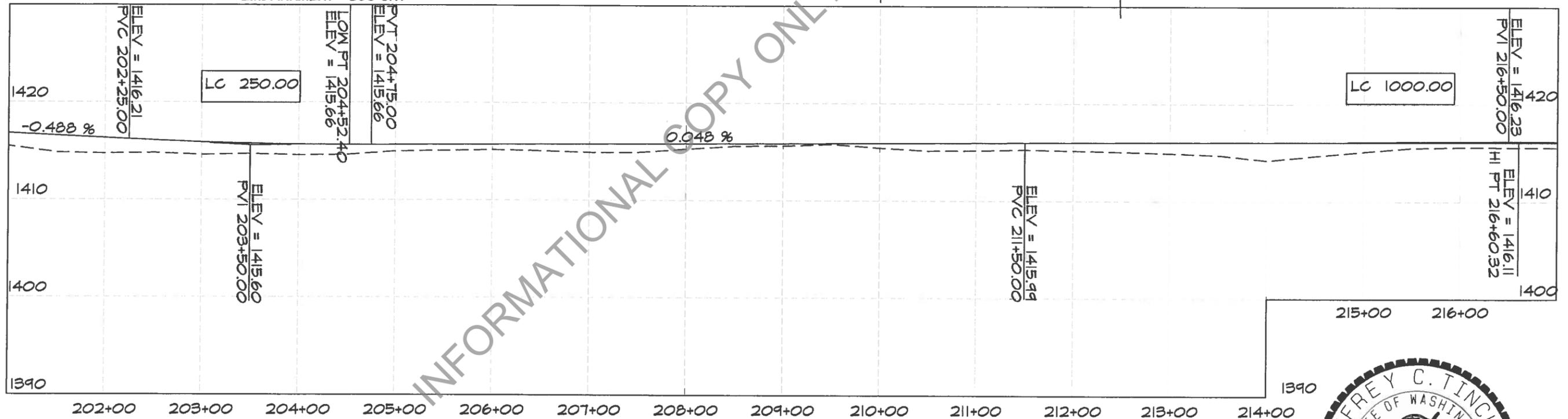
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SHEET  
16  
OF  
23

SE 1/4 SEC. 33, TWP 21N., RNG. 25 E.W.M.



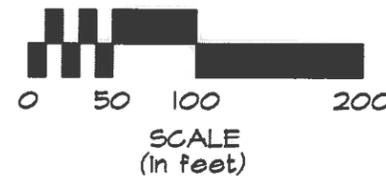
ROADWAY EXCAVATION = 548 C.Y.  
EMBANKMENT = 388 C.Y.



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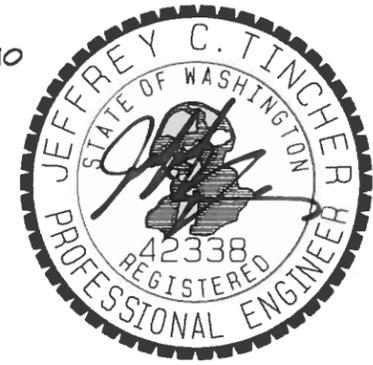


MARTIN ROAD RECONSTRUCTION



CRP 13-17

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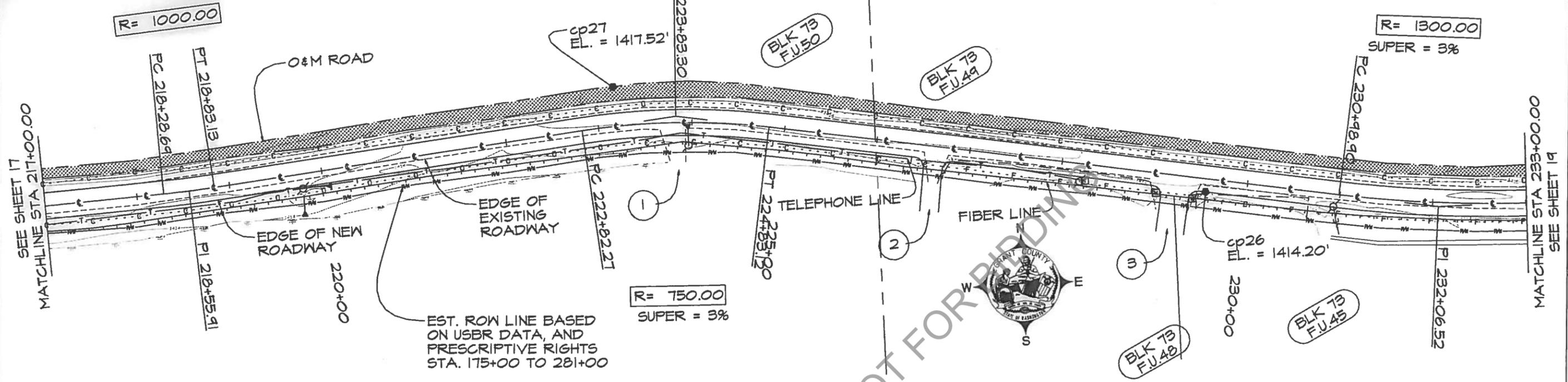


DATE: 5/4/2015

SHEET  
17  
OF  
23

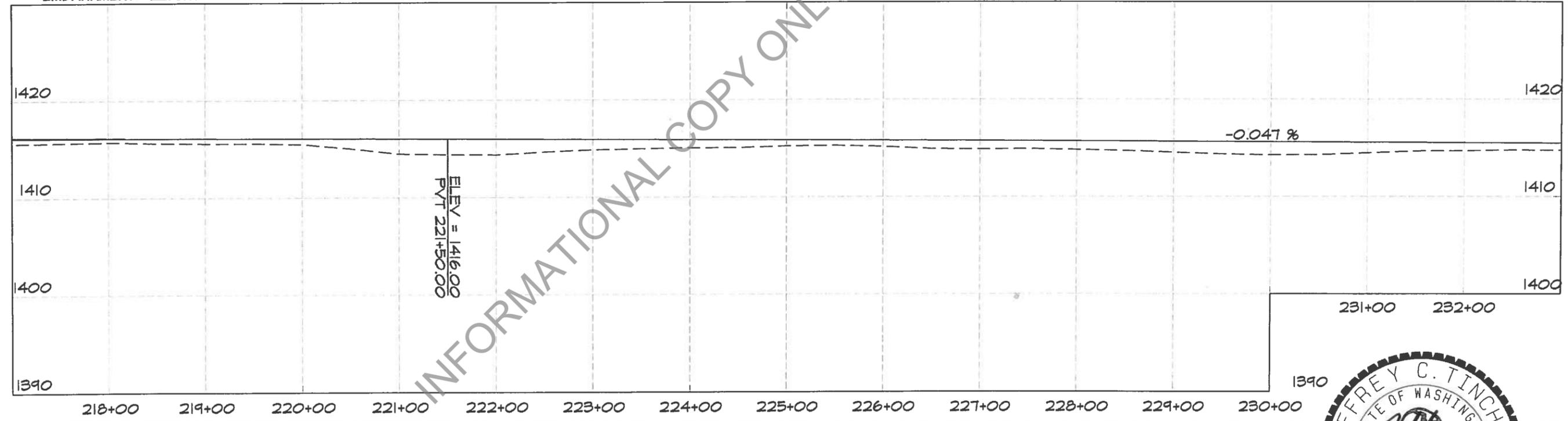
SE 1/4 SEC. 33, TWP 21N., RNG. 25 E.W.M.

SW 1/4 SEC. 34, TWP 21N., RNG. 25 E.W.M.



ROADWAY EXCAVATION = 605 C.Y.  
EMBANKMENT = 221 C.Y.

ROADWAY EXCAVATION = 311 C.Y.  
EMBANKMENT = 388 C.Y.



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### MARTIN ROAD RECONSTRUCTION



SCALE (In feet)

CRP 13-17

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 DATE REVISED: 4/30/2015  
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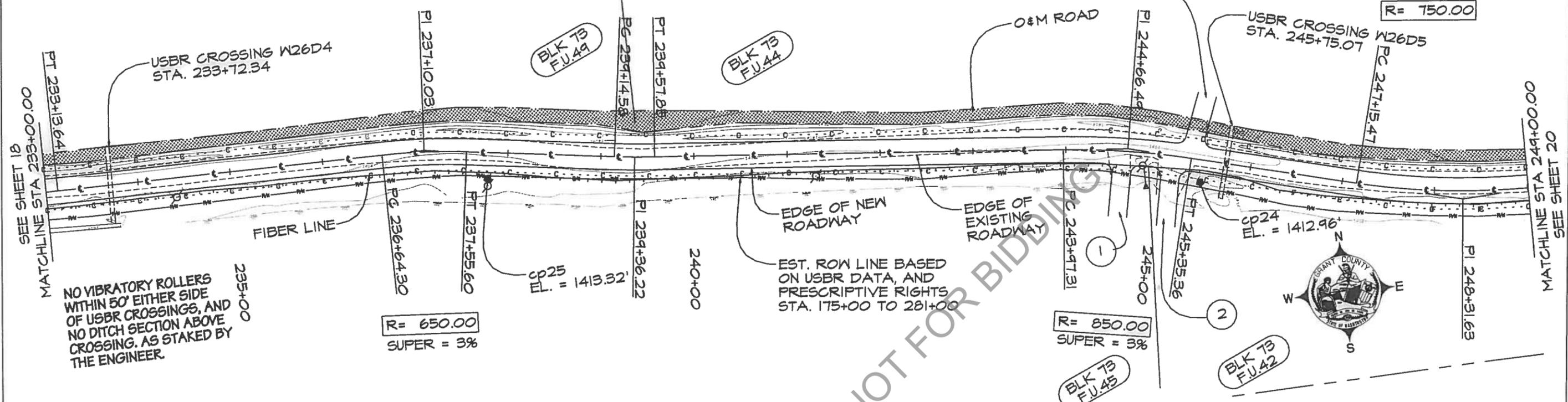
DATE: 5/1/2015

SHEET  
 18  
 OF  
 23

SW 1/4 SEC. 34, TWP 21N., RNG. 25 E.W.M.

R= 850.00

SUPER = 3%  
R= 750.00



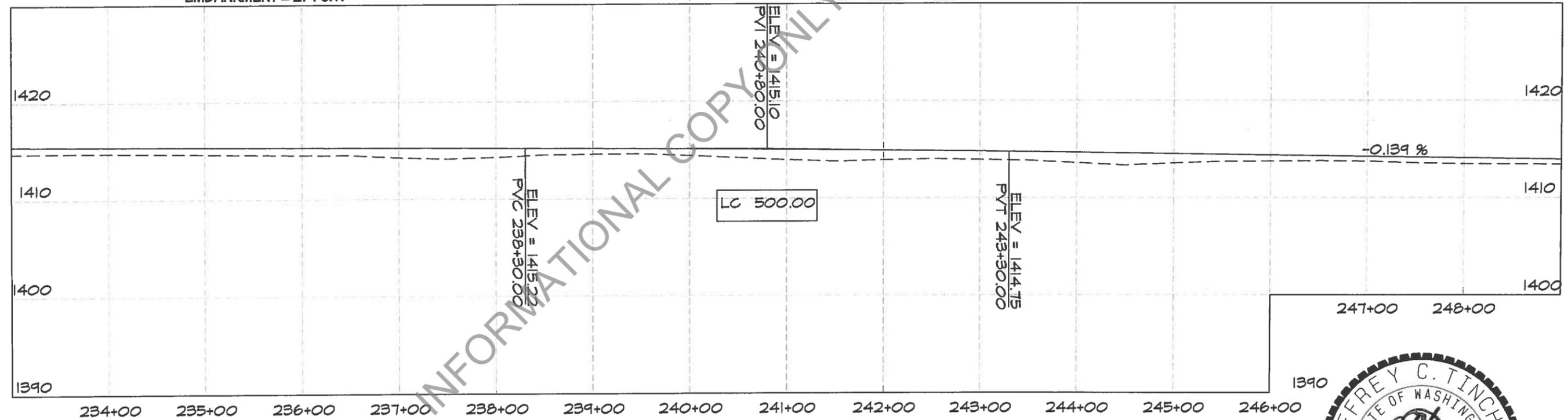
NO VIBRATORY ROLLERS  
WITHIN 50' EITHER SIDE  
OF USBR CROSSINGS, AND  
NO DITCH SECTION ABOVE  
CROSSING. AS STAKED BY  
THE ENGINEER.

R= 650.00  
SUPER = 3%

R= 850.00  
SUPER = 3%

ROADWAY EXCAVATION = 495 C.Y.  
EMBANKMENT = 274 C.Y.

ROADWAY EXCAVATION = 519 C.Y.  
EMBANKMENT = 280 C.Y.



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MARTIN ROAD RECONSTRUCTION



SCALE  
(in feet)

CRP 13-17

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DATE REVISED: 4/30/2015  
FEDERAL AID NO.:

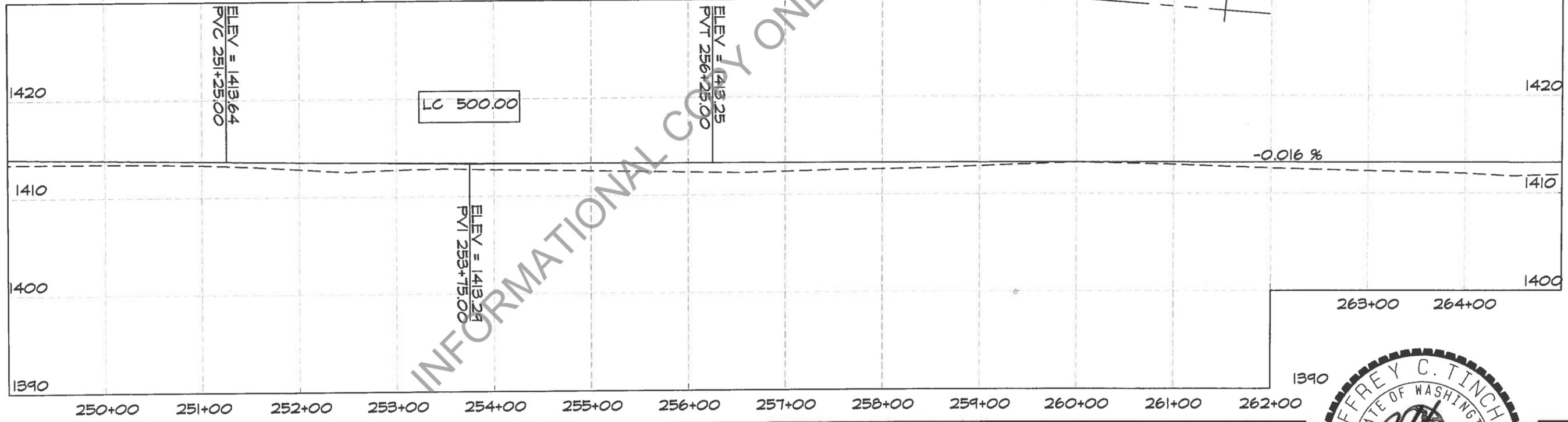
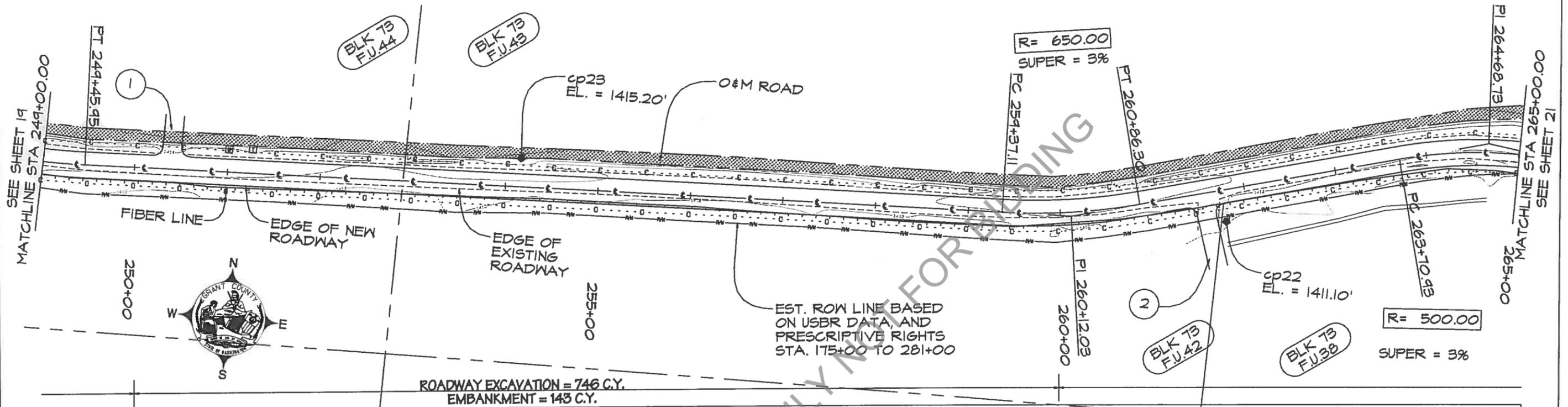


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SHEET  
19  
OF  
23

SW 1/4 SEC. 34, TWP 21N.,  
RNG. 25 E.W.M.

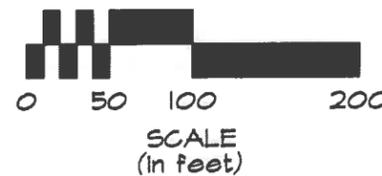
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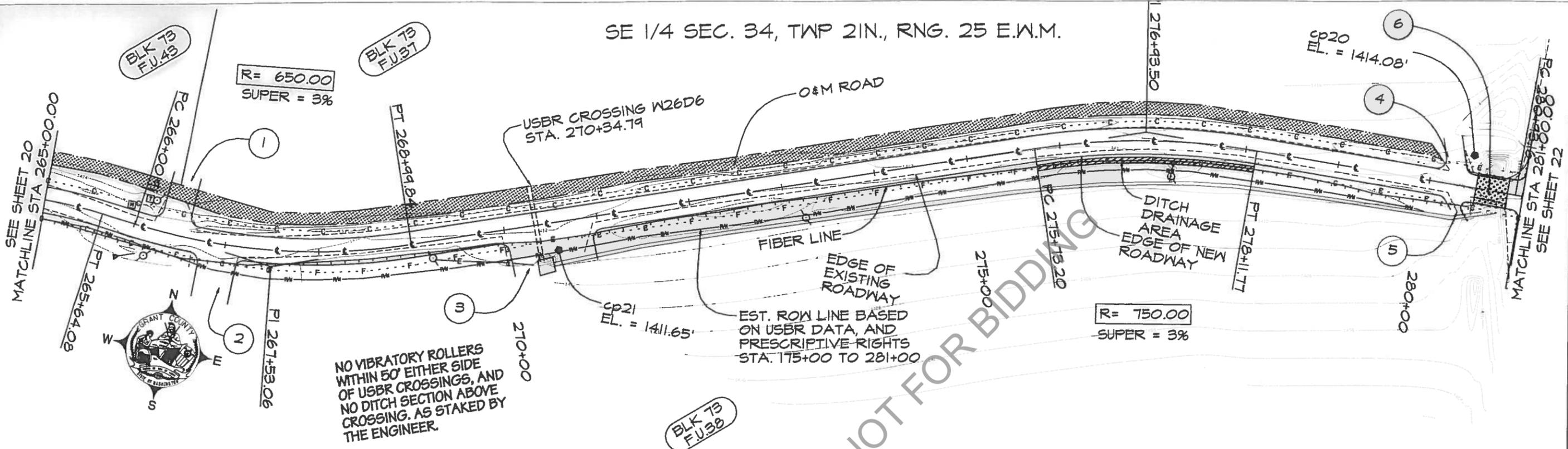
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DATE: 5/4/2015

SHEET  
20  
OF  
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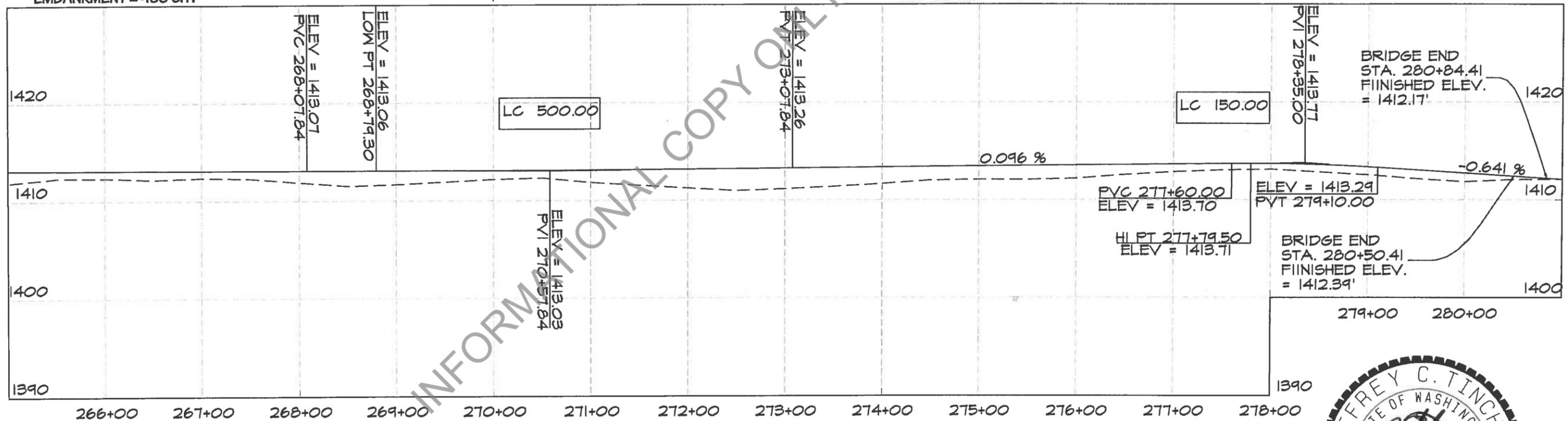
SE 1/4 SEC. 34, TWP 21N., RNG. 25 E.W.M.



NO VIBRATORY ROLLERS WITHIN 50' EITHER SIDE OF USBR CROSSINGS, AND NO DITCH SECTION ABOVE CROSSING. AS STAKED BY THE ENGINEER.

ROADWAY EXCAVATION = 474 C.Y.  
EMBANKMENT = 439 C.Y.

ROADWAY EXCAVATION = 354 C.Y.  
EMBANKMENT = 778 C.Y.



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MARTIN ROAD RECONSTRUCTION



SCALE (in feet)

CRP 13-17

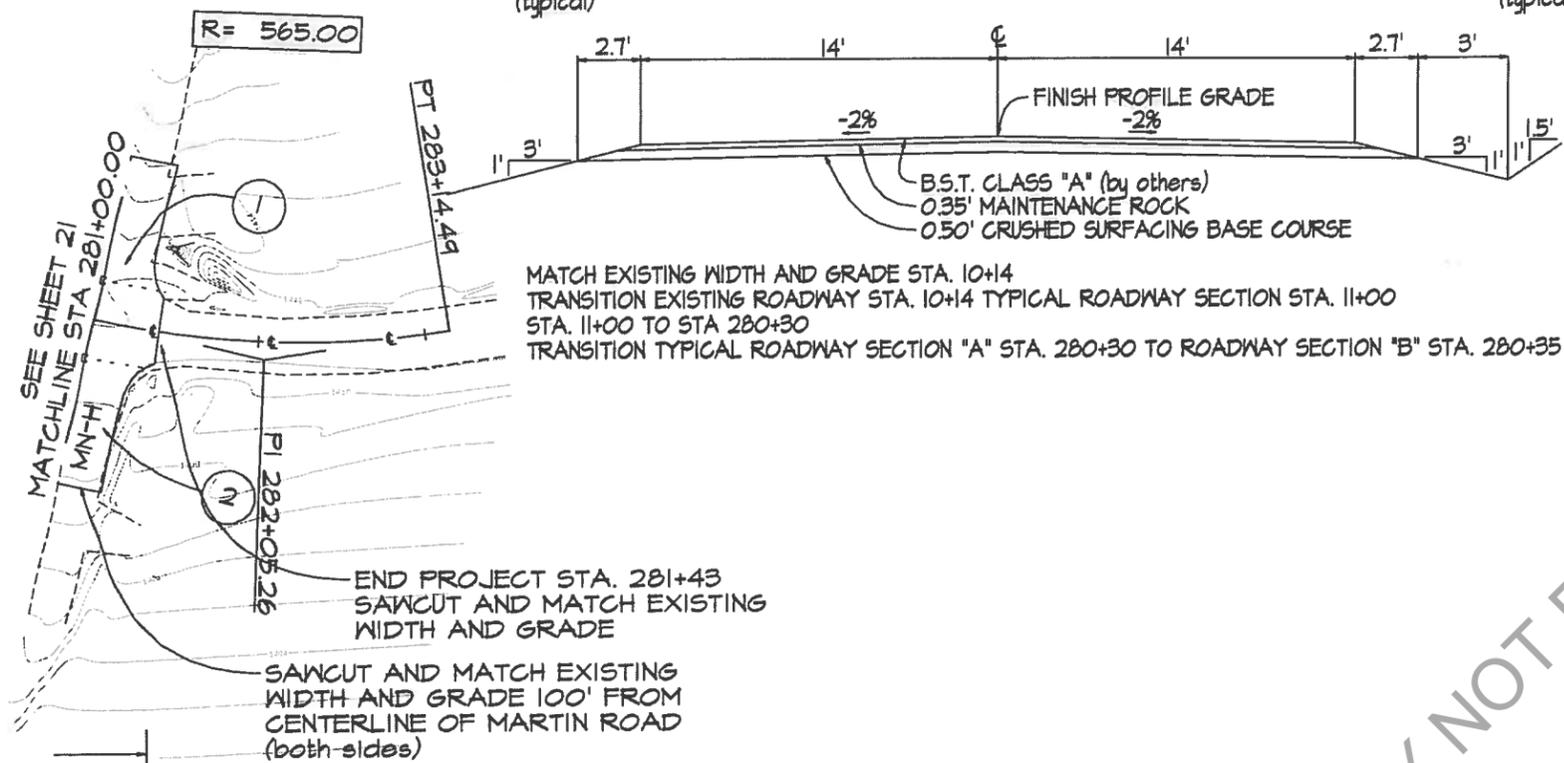
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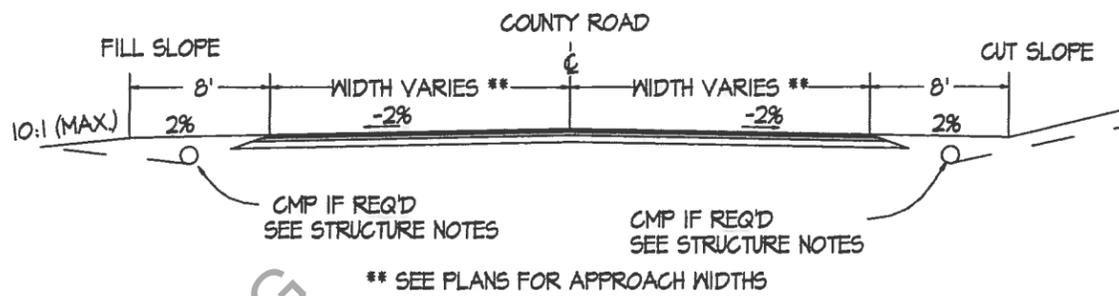
DATE: 5/4/2015

SHEET  
21  
OF  
23

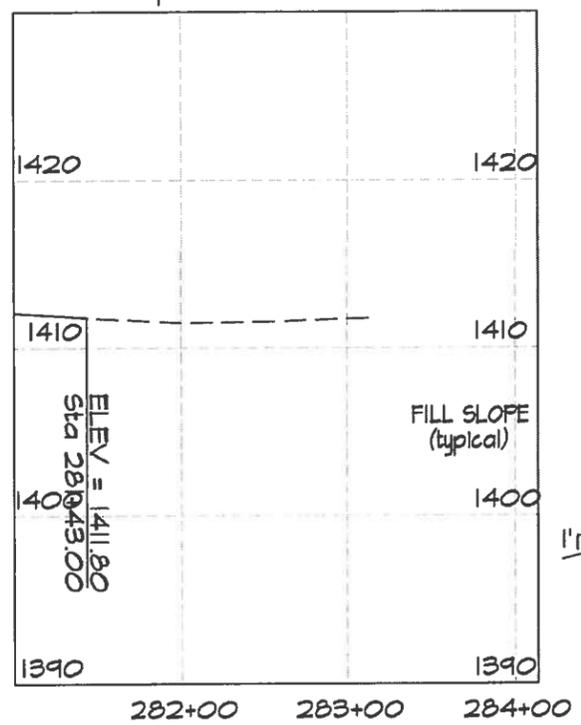
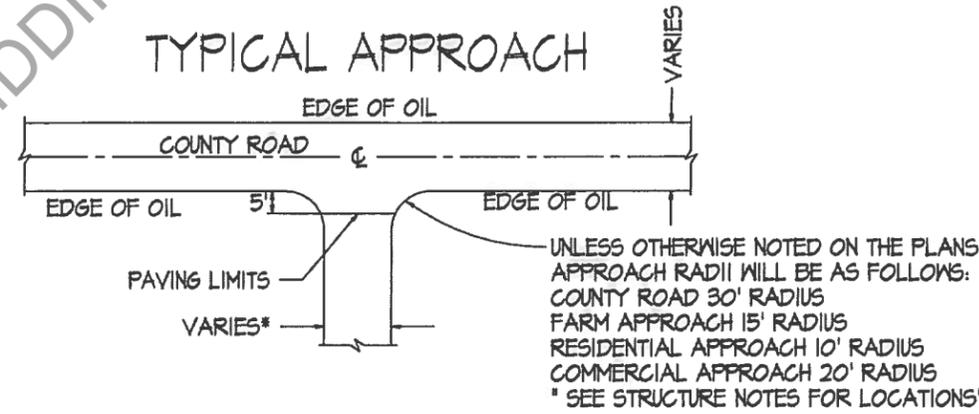
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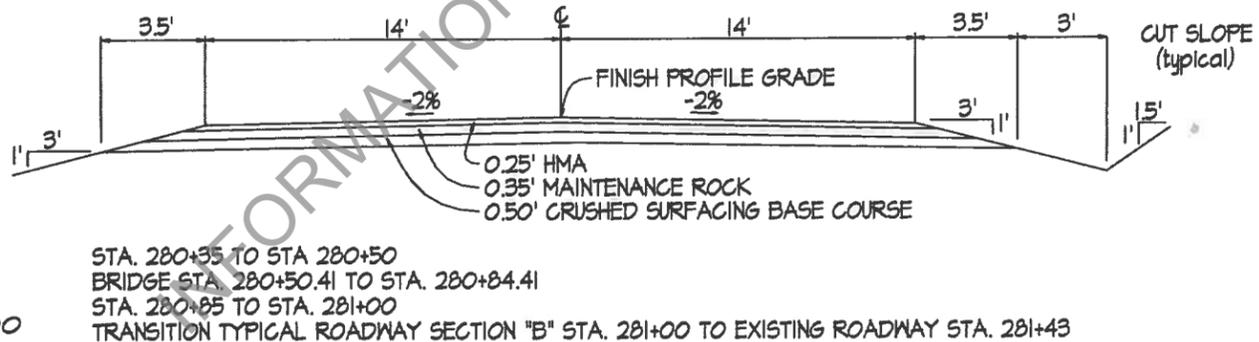
**TYPICAL APPROACH DETAIL**



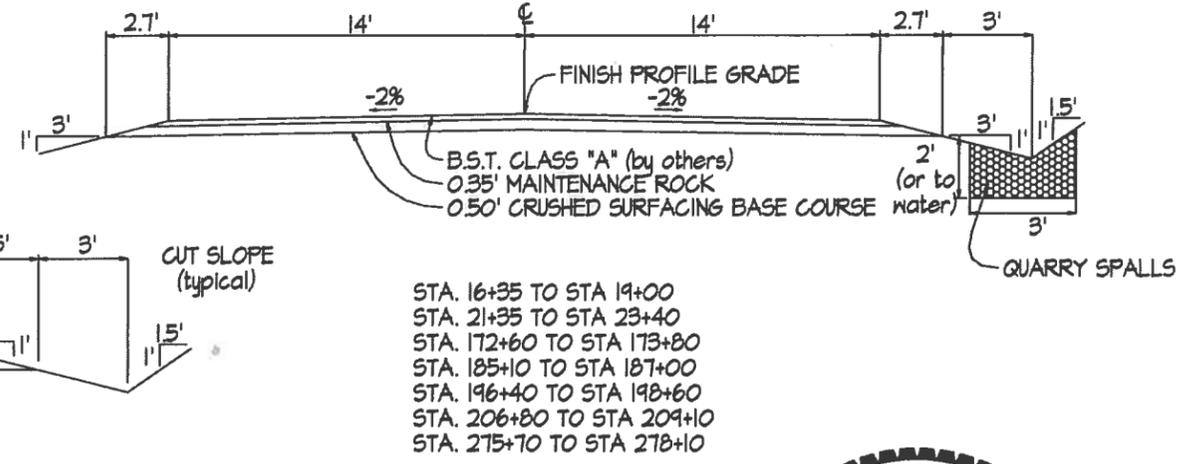
**TYPICAL APPROACH**



**TYPICAL ROADWAY SECTION "B"**



**TYPICAL ROADWAY SECTION "C"**



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**MARTIN ROAD RECONSTRUCTION**

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**SHEET**  
22  
**OF**  
23

CRP 13-17

DATE: 5/4/2015

BEAM GUARDRAIL ANCHOR TYPE 10 ST. PLAN C-23.60-03 W/ STEEL POSTS

NOTE: ALL GUARDRAIL SHALL BE CONSTRUCTED WITH STEEL POSTS AND COMPOSITE BLOCKS.

CONTRACTOR TO REMOVE EXISTING SURFACING AND SUBGRADE DOWN 2.25' BELOW THE BRIDGE DECK AND REPLACE WITH 1.0' OF CRUSHED SURFACING BASE COURSE WRAPPED IN CONSTRUCTION GEOTEXTILE FOR SEPARATION AND THEN 0.50' OF CRUSHED SURFACING BASE COURSE, 0.50' OF CRUSHED SURFACING TOP COURSE, AND THEN 0.25' OF HMA (see special provisions)

TEST HOLE #1

TEST HOLE #2

HMA

NON-FLARED TERMINAL ST. PLAN C-22.40-04

280+00

MARTIN ROAD

280+50

32'

281+00

M-H

5'

10'

10'

TIGHTEST RADIUS POSSIBLE (typical all 4 corners)

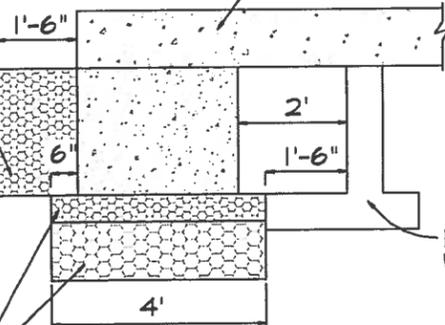
0.25' HMA

0.50' CRUSHED SURFACING TOP COURSE

0.50' CRUSHED SURFACING BASE COURSE

1.0' CRUSHED SURFACING BASE COURSE WRAPPED IN CONSTRUCTION GEOTEXTILE FOR SEPARATION

GRAVEL BACKFILL FOR WALLS SOLIDECK GIRDERS



EXISTING ABUTMENT WALL & FOOTING

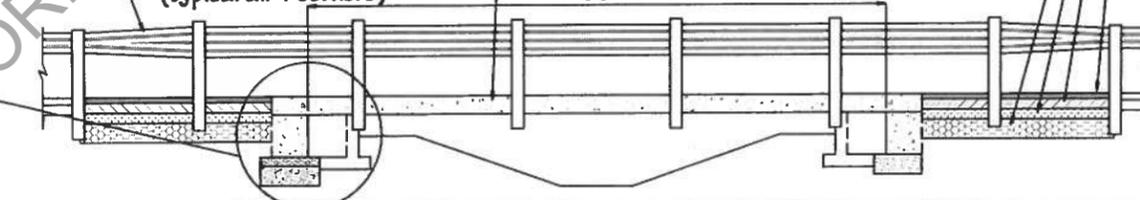
1.0' CRUSHED SURFACING BASE COURSE WRAPPED IN CONSTRUCTION GEOTEXTILE FOR SEPARATION  
0.25' CRUSHED SURFACING TOP COURSE

BEAM GUARDRAIL ANCHOR TYPE 10 ST. PLAN C-23.60-03 W/ STEEL POSTS

8 - 1'-0" x 4'-0" x 34'-0" SOLIDECK GIRDERS W/ GUARDRAIL

THREE BEAM GUARDRAIL REDUCER SECTION TYPE B. ST. PLAN C-1D W/STEEL POSTS (typical all 4 corners)

30'



NON-FLARED TERMINAL ST. PLAN C-22.40-04

RAKE AND FEATHER EDGES (typ.)

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MARTIN ROAD RECONSTRUCTION

CRP 13-17

DESIGNED BY: BOB BERSANTI

CHECKED BY: TODD MITTGE

APPROVED BY: JEFF TINCHER

REVISIONS BY:

DATE REVISED: 4/30/2015

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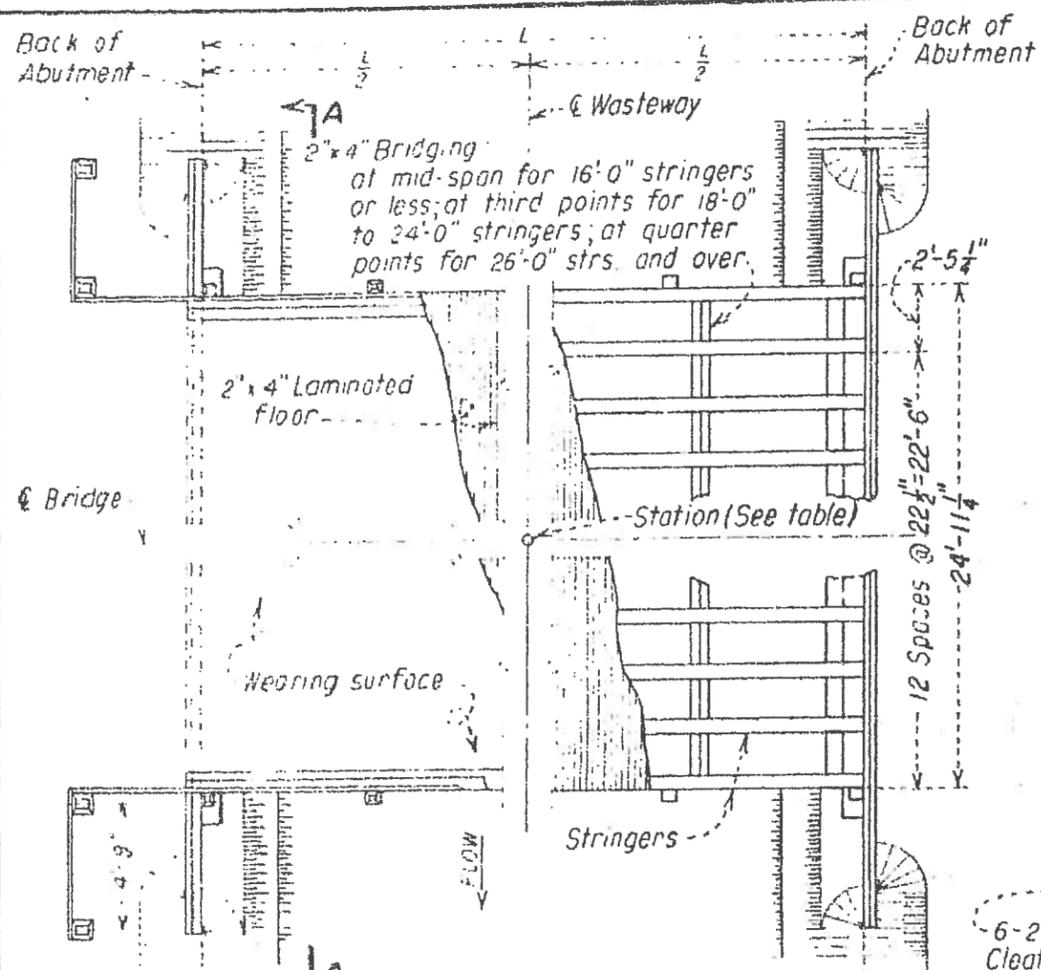
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SHEET

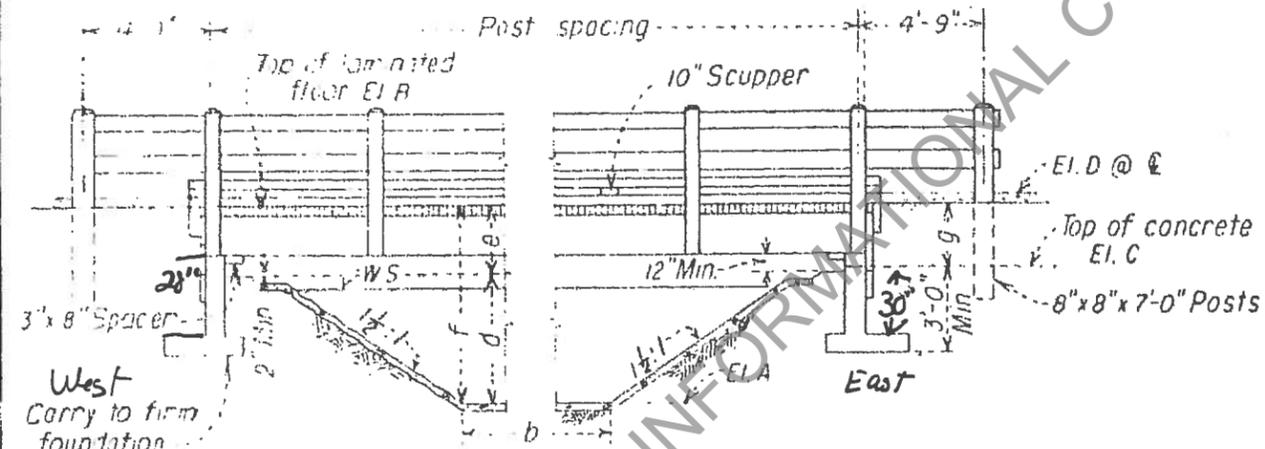
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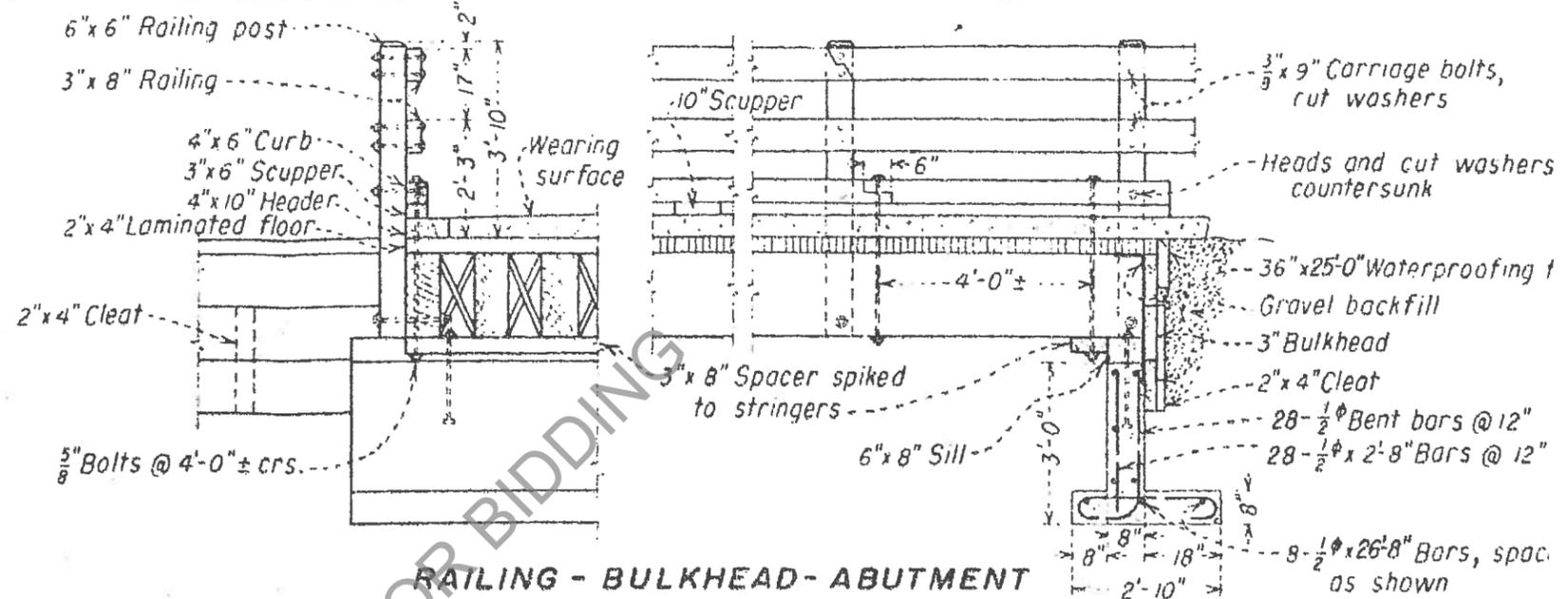
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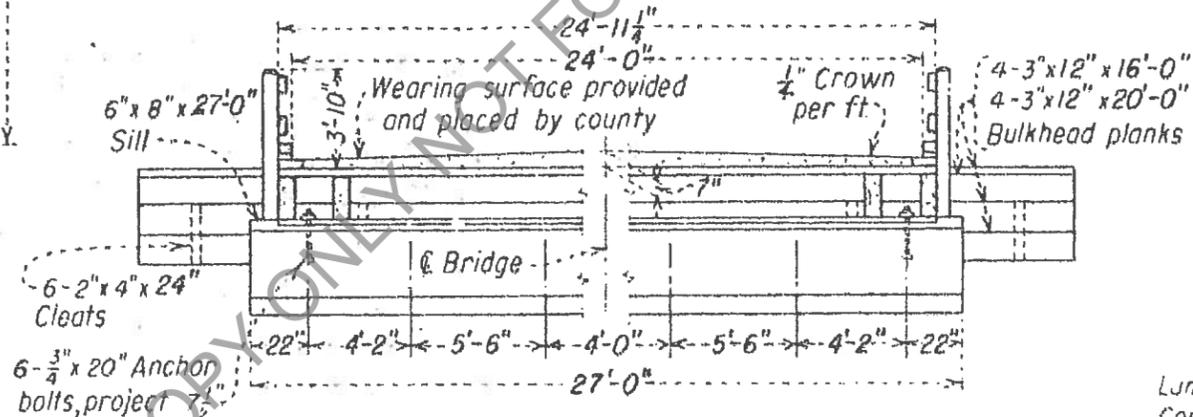
PLAN



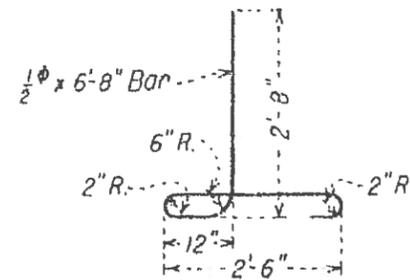
ELEVATION



RAILING - BULKHEAD - ABUTMENT



SECTION A-A



DETAIL OF BENT BAR

**REINFORCEMENT REQUIRED**  
(FOR ONE BRIDGE)

16 Bars	1/2" x 26'-8"
56 Bent bars	1/2" x 6'-8"
56 Bars	1/2" x 2'-8"

**ESTIMATED QUANTITIES**  
(FOR ONE BRIDGE)

Lumber	See
Concrete	9 C
Reinforcement steel	640 L

**NOTES**

- Bridge designed for two lanes of H-15 loading.
- All reinforcement placed so that the centers of the outer layer will be 2" from the face of concrete, unless otherwise shown.
- All dimensions to reinforcement are to C bars or P.I. of
- All bolts 5/8", unless otherwise shown
- Malleable iron washers used, unless otherwise shown
- Railing timbers surfaced four sides and painted y.
- Embedded ends of posts coated with creosote
- Elevations of bottoms of footings are approximate only
- Wearing surface furnished and placed by county
- Flooring, sills, bulkhead planks, headers, curbs and planks treated.

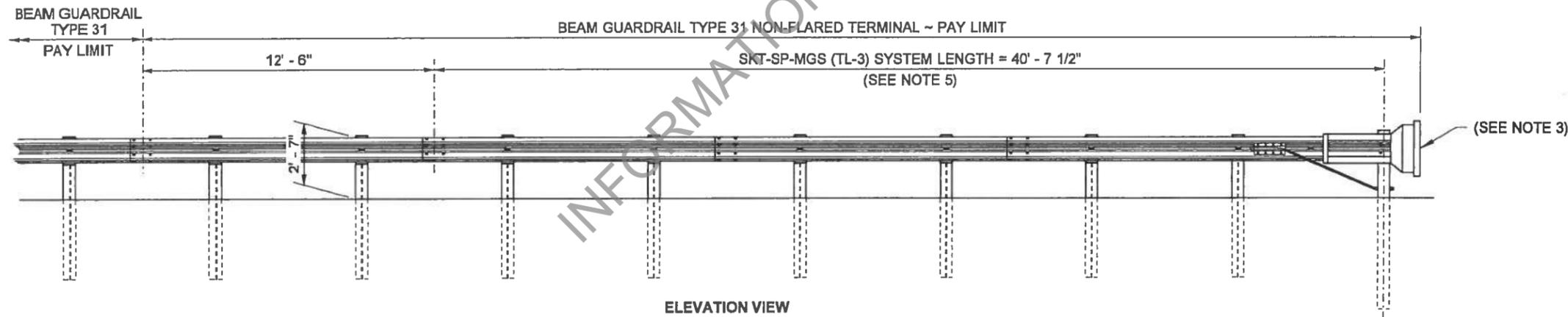
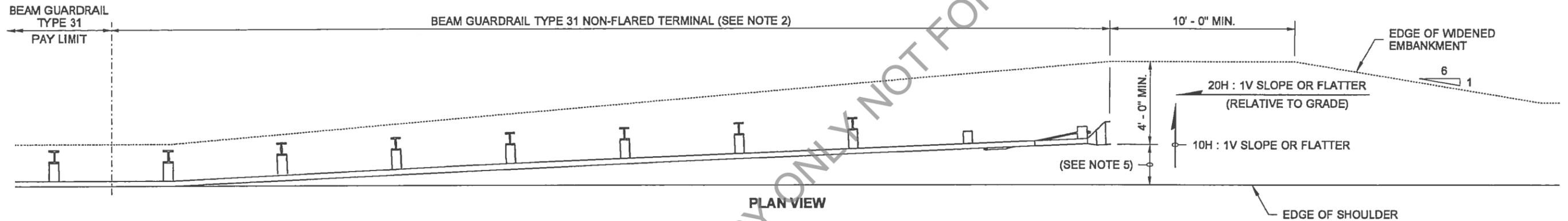
WASTEWAY	STATION	E.I. A	E.I. B	E.I. C	E.I. D	b	d	e	f	g	L	POST SPACING	STRINGERS	LUMBER F.B.M.
DW224						4'-0"	3.75'	4.78'	8.53'	2'-4 1/2"	26'-0"	55pc. @ 5'-1 1/2" ± 25'-6"	14-8" x 20" x 26'-0"	10,644
DW224	50+00	1330.13	1349.10	1370.10	1387.00	4'-0"	3.75'	2.93'	8.29'	2'-4 1/2"	26'-0"	55pc. @ 5'-1 1/2" ± 25'-6"	14-8" x 20" x 26'-0"	10,644

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF RECLAMATION  
COLUMBIA BASIN PROJECT-WASHINGTON

DRAWN BY: COLBY FLETCHER

**NOTES**

1. This terminal is FHWA accepted at Test Level Three (TL-3) and may be used for all posted speeds.
2. An SKT-SP-MGS (TL-3) as manufactured by Road Systems, Inc. shall be installed according to manufacturer's recommendations.
3. A reflectorized object marker shall be installed according to manufacturer's recommendations.
4. When snow load post washers and snow load rail washers are required by the Contract, the snow load rail washers shall not be installed within the terminal limits.
5. Terminal shall be installed at a widening, ensuring the end piece is entirely off the shoulder. While this terminal does not require an offset at the end, a flare is recommended. A maximum flare of 25 : 1 or flatter over the length of the terminal is allowed for the SKT-SP-MGS (TL-3), with a maximum offset of 24" (in) over 50' (ft).
6. For terminal details, see WSDOT approved manufacturer's drawings.



Barry, Ed  
Oct 23 2014 11:34 AM

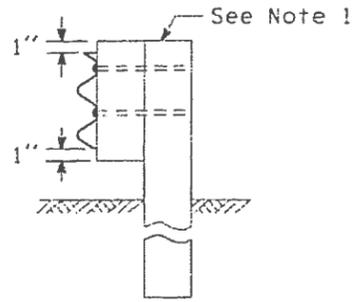
**BEAM GUARDRAIL TYPE 31  
NON-FLARED TERMINAL STEEL  
POSTS (ALL POSTED SPEEDS)  
STANDARD PLAN C-22.40-04**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

*Patricia Bakotich*  
Bakotich, Pasco  
Oct 23 2014 12:10 PM  
STATE DESIGN ENGINEER

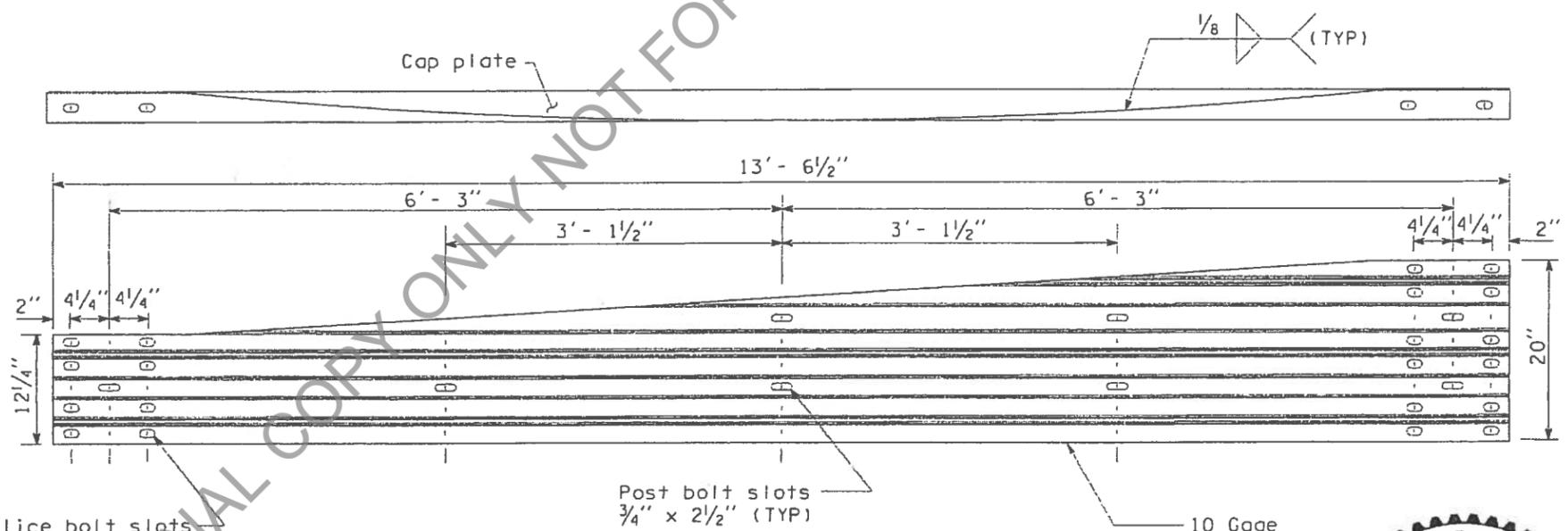




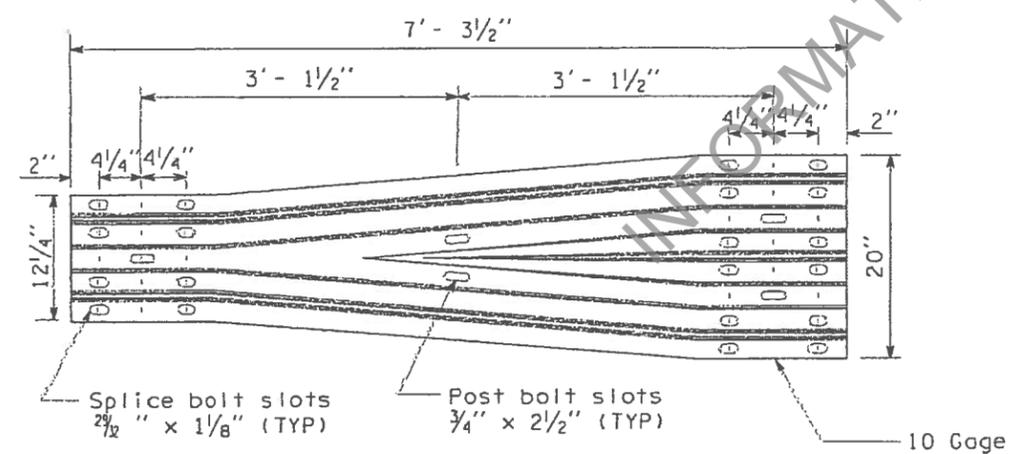
INTERMEDIATE GUARDRAIL  
POST CONNECTION DETAILS  
(Type A shown)

NOTES

1. For wood posts, saw top of post and block to 1" above thrie beam guardrail reducer section. For steel posts, drive post down to 1" maximum above the thrie beam guardrail reducer section.



THRIE BEAM GUARDRAIL REDUCER SECTION  
TYPE A  
(Left section shown, right section reversed)



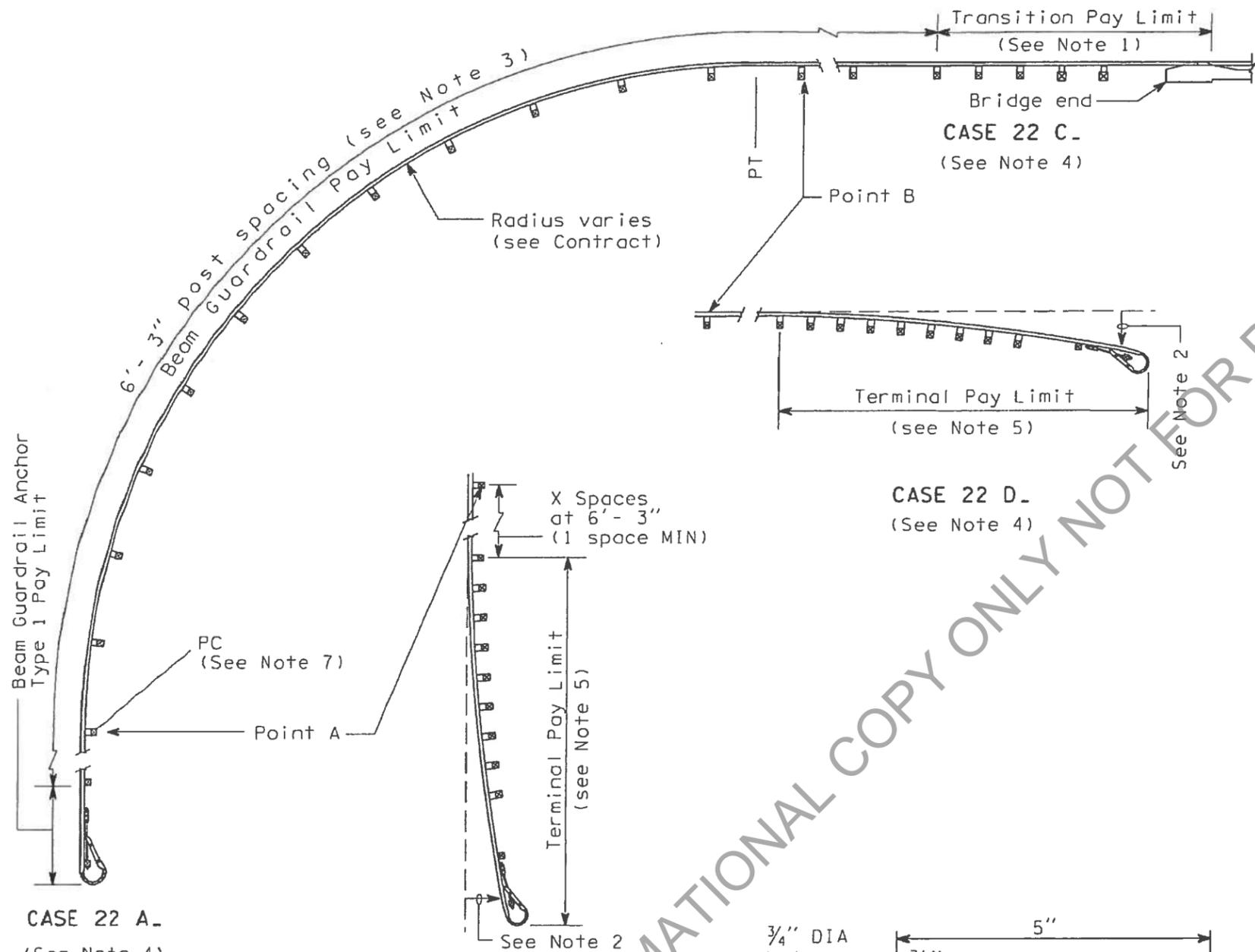
THRIE BEAM GUARDRAIL REDUCER SECTION  
TYPE B



**THRIE BEAM GUARDRAIL  
REDUCER SECTION**  
**STANDARD PLAN C-1d**  
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION  
*David Peterson* 10.31.03  
STATE DESIGN ENGINEER DATE  
Washington State Department of Transportation

09/2003	ADDED 10 GAGE STEEL DESIGNATION; REV. NOTE 1	RC
DATE	REVISION	BY

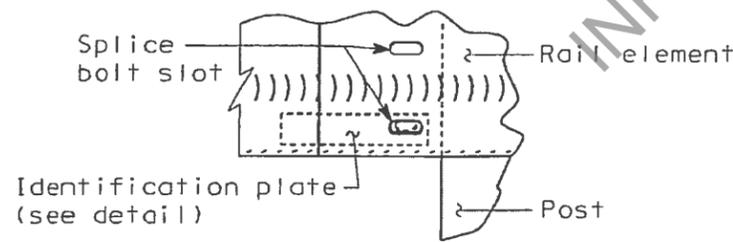


CASE 22 A.  
(See Note 4)

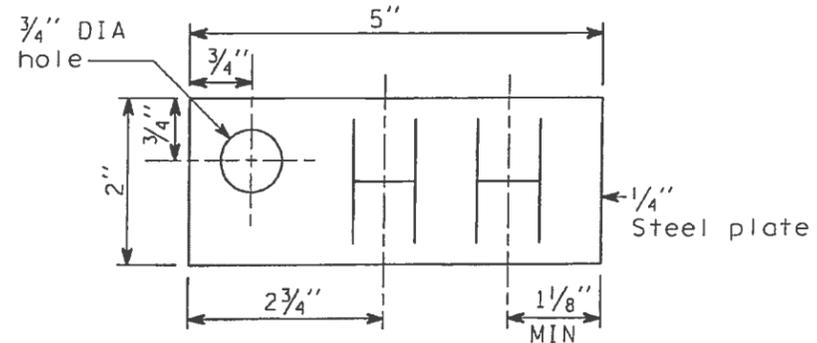
CASE 22 B.  
(See Note 4)

CASE 22 C.  
(See Note 4)

CASE 22 D.  
(See Note 4)



IDENTIFICATION PLATE MOUNTING DETAIL  
(See Note 7)



IDENTIFICATION PLATE DETAIL  
(See Note 6)

NOTES

1. See Contract for transition and connection type.
2. The slope from the edge of the shoulder into the face of the guardrail should not be steeper than 10:1.
3. Guardrail installation shall be Beam Guardrail Type 1 with standard post and block.
4. First letter of case designation indicates end treatment on side road. Second letter indicates end treatment on main road. For instance a terminal on the side road and a bridge connection on the main road would be Case 22 BC.
5. For terminal type and details, see Contract and applicable Standard Plan(s).
6. Radius dimensions shall be etched into plate replacing the letters "HH" shown on the Identification Plate Detail. Digits shall be 1/2" MIN height and 3/4" MAX width. Plate shall be galvanized after etching.
7. The guardrail Identification Plate shall be mounted at the lower splice bolt on the back side of the rail element at the PC of the guardrail radius.



**GUARDRAIL PLACEMENT  
STRONG POST  
INTERSECTION DESIGN  
STANDARD PLAN C-2p**

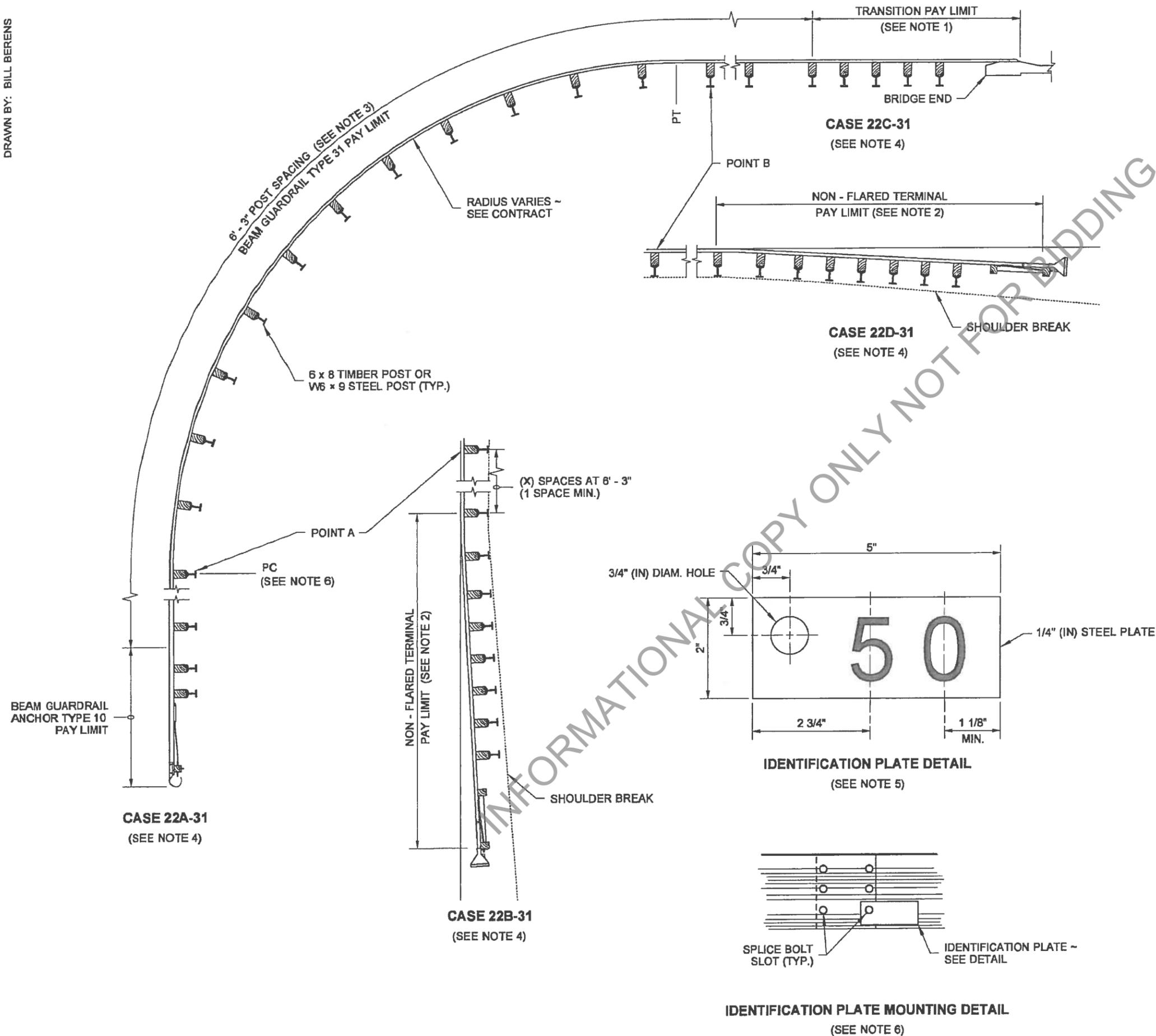
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION  
*David Peterson* 10-31-03  
STATE DESIGN ENGINEER DATE

09/2003	CORRECTED REFERENCES TO NOTES.	MHG	Washington State Department of Transportation
DATE	REVISION	BY	



DRAWN BY: BILL BERENS



**NOTES**

1. See Contract for transition and connection type.
2. For additional installation requirements for Non-Flared Terminal placement, see **Standard Plan C-22.40**.
3. Guardrail installation shall be Beam Guardrail Type 31 with standard post and block. See **Standard Plan C-20.10** for additional details.
4. The first letter of case designation indicates the end treatment on the side road. The second letter indicates the end treatment on the main road. For instance, a terminal on a side road and a bridge connection on the main road would be Case 22BC-31.
5. The radius dimension shall be etched into the plate as shown in the example on the Identification Plate Detail. Numerals shall be 1 1/2" (in) high minimum, and 3/4" (in) wide maximum. Plate shall be galvanized after etching and the letter shall remain permanently legible.
6. The guardrail Identification Plate shall be mounted at the lower splice bolt on the back side of the rail element at the PC of the guardrail radius.



Barry, Ed  
May 2 2014 2:20 PM

**GUARDRAIL PLACEMENT  
STRONG POST ~ TYPE 31  
INTERSECTION DESIGN  
STANDARD PLAN C-20.42-04**

SHEET 1 OF 1 SHEET

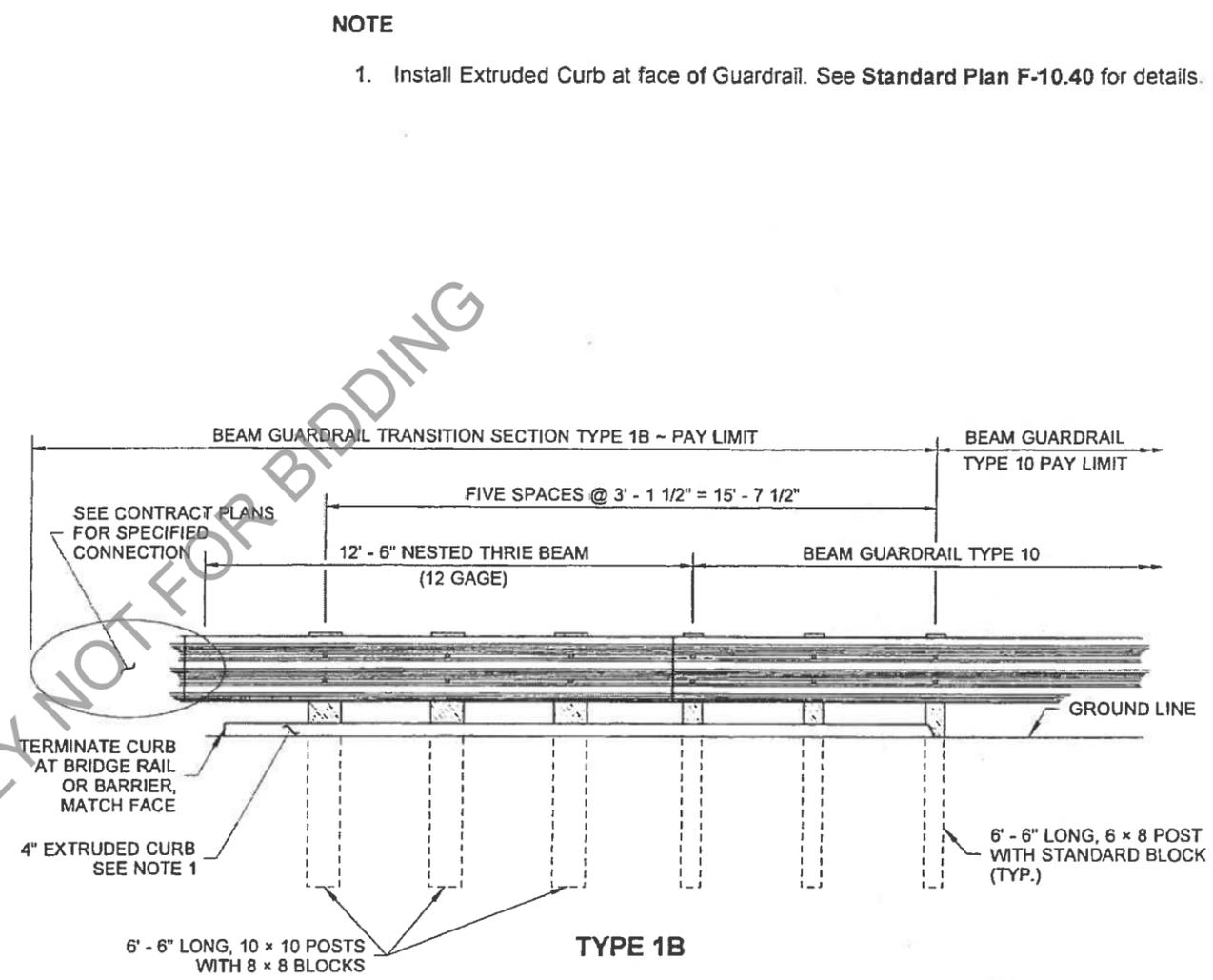
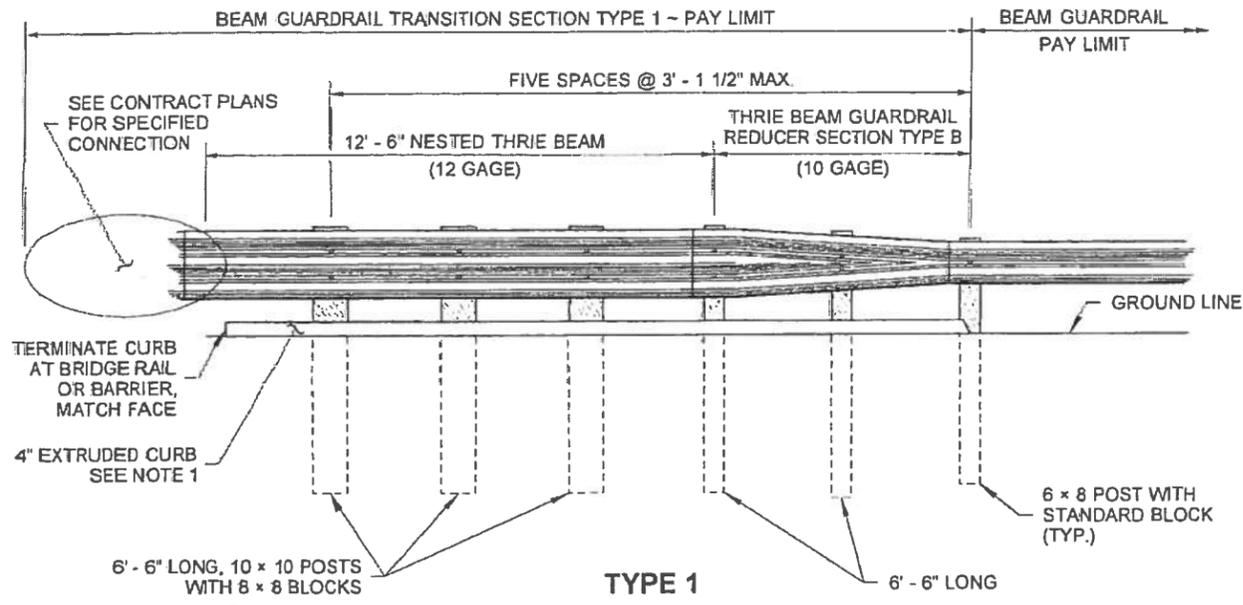
APPROVED FOR PUBLICATION

*Paul B. Little*  
Bakotic, Pasco  
Jun 11 2014 1:08 PM

STATE DESIGN ENGINEER

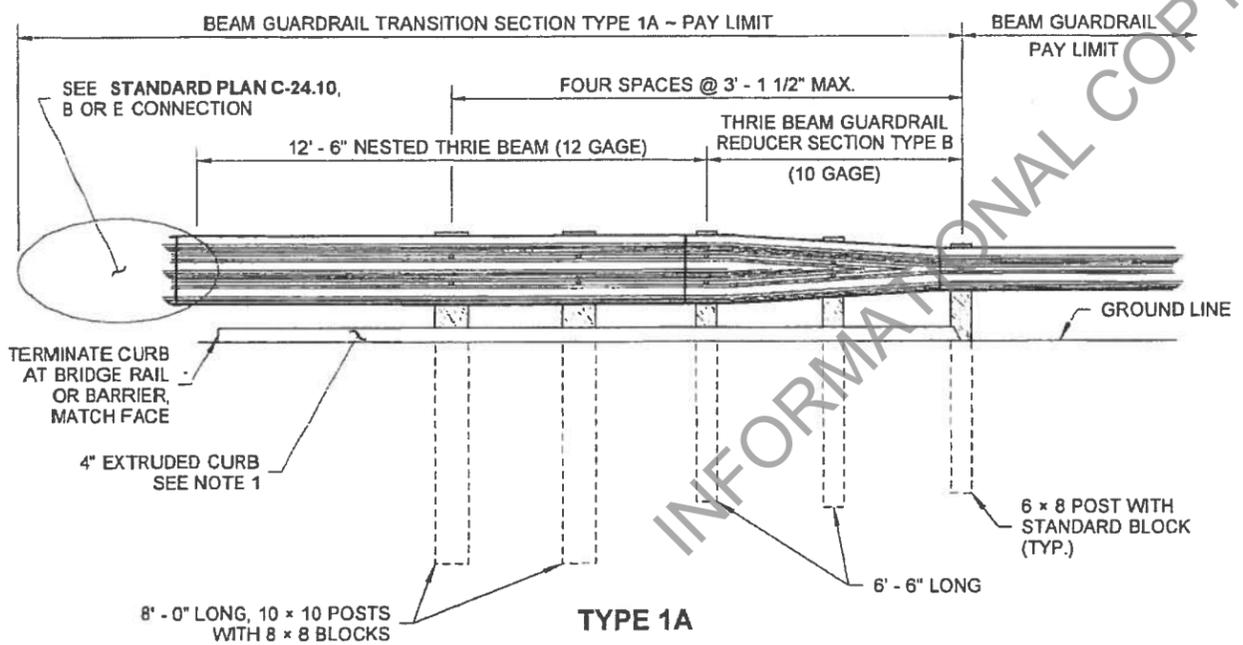


DRAWN BY: FERN LIDDELL



**NOTE**

1. Install Extruded Curb at face of Guardrail. See Standard Plan F-10.40 for details.



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7.2.2012

**BEAM GUARDRAIL  
TRANSITION SECTIONS  
STANDARD PLAN C-3**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

*Paula B. [Signature]* *7/2/12*

STATE DESIGN ENGINEER DATE

Washington State Department of Transportation