

Contract Review Sheet

Public Improvement Agreements

PW-6624-25

Title: Nusom Rd: Pudding River Bridge Approach

Contractor's Name: HP Civil, Inc.

Department: Public Works Department Contact: Alicia Jones

Analyst: Kathleen George Phone #: -4320

Term - Date From: Execution Expires: September 30, 2026

Original Contract Amount: \$ 264,085.55 Previous Amendments Amount: \$ -

Current Amendment: \$ - New Contract Total: \$ 264,085.55 Amd% 0%

Outgoing Funds ☐ Federal Funds ☐ Reinstatement ☐ Retroactive ☐ Amendment greater than 25%

Source Selection Method: 20-0255 Invitation to Bid ITB# PW1663-25

Description of Services or Grant Award

The Nusom Road: Pudding River Bridge's east approach is settling and it has substandard approach guardrail. The settling approach is becoming a traffic safety issue. Reconstructing the approach fill and approach slab, and installing current standard guardrail at all four corners of the bridge will address the settlement and improve public safety. The bridge will be closed to traffic for approximately 45 days during these repairs, but a well signed detour will be in place during the closure. Work to be completed by September 30, 2025, with contract expiration of September 30, 2026.

Desired BOC Session Date: 6/11/2025 Contract should be in DocuSign by: 5/21/2025


Agenda Planning Date: 5/29/2025 Printed packets due in Finance: 5/27/2025

Management Update: 5/27/2025 BOC upload / Board Session email: 5/28/2025

BOC Session Presenter(s) Ryan Crowther Code: Y

REQUIRED APPROVALS

DocuSigned by:

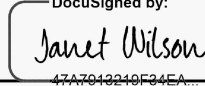


5/22/2025

Finance - Contracts

Date

DocuSigned by:




5/22/2025

Contract Specialist

Date

Signed by:




5/22/2025

Legal Counsel

Date

DocuSigned by:



5/22/2025

Chief Administrative Officer

Date



MARION COUNTY BOARD OF COMMISSIONERS

Board Session Agenda Review Form

Meeting date: 06/11/2025 9:00AM

Department: Public Works

Title: Nusom Road: Pudding River Bridge Repair

Management Update/Work Session Date: _____ Audio/Visual aids ☐

Time Required: 5 minutes Contact: Steven Preszler Phone: 971-375-8108

Requested Action:

Approve Contract PW-1663-25 in the amount of \$264,085.55 with HP Civil, Inc., for construction of the Nusom Road: Pudding River Bridge Repair project.

Issue, Description & Background:

The Nusom Road: Pudding River Bridge's east approach is settling and it has substandard approach guardrail. The settling approach is becoming a traffic safety issue. Reconstructing the approach fill and approach slab, and installing standard guardrail at all four corners of the bridge will address the settlement and improve public safety. Four bidders submitted bids for these repairs with the low bidder being HP Civil, Inc. The bridge will be closed to traffic for approximately 45 days during these repairs, but a well-signed detour will be in place during the closure.

Financial Impacts:

The cost of this project will be paid using County Road Funds. This is a budgeted expense in the current fiscal year.

Impacts to Department & External Agencies:

There are no impacts to other County Departments.

List of attachments:

PW-1663-25

Presenter:

Ryan Crowther

Department Head Signature:

Brian Nicholas

Digitally signed by Brian Nicholas
Date: 2025.05.08 11:26:53 -07'00'

CONSTRUCTION CONTRACT PW-6624-25

This Contract made and entered into by and between Marion County, A Political Subdivision of the State of Oregon, acting by and through its duly elected, qualified, and acting Board of Commissioners, hereinafter called the "County" and, HP Civil, Inc. hereinafter called the "Contractor" for the Project entitled: Nusom Rd: Pudding River Bridge Approach.

WITNESSETH

Contractor, in consideration of the sum of \$ 264,085.55 (the "Contract Price"), to be paid to the Contractor by County in the manner and at the time hereinafter provided, and subject to the terms and conditions provided in the Invitation To Bid and other Contract Documents, all of which are incorporated herein by reference, hereby agrees to perform all Work described and reasonably inferred from the Contract Documents. Contractor shall provide for and furnish all necessary machinery, tools, apparatus, equipment, supplies, materials and labor, and do all things in accordance with the applicable Plans and Specifications, and in accordance with such alterations and modifications of the same as may be made by the County.

This Agreement shall be binding upon the heirs, executors, administrators, successors and assigns of the Contractor.

1. Contractor shall pay all contributions or amounts due the Industrial Accident Fund from such Contractor or Subcontractor incurred in the performance of the contract.
2. Contractor shall not permit any lien or claim to be filed or prosecuted against the state, county, school district, municipality, municipal corporation or subdivision thereof, on account of any labor or material furnished.
3. Contractor agrees to pay the Department of Revenue all sums withheld from employees pursuant to ORS 316.167.
4. Contractor shall indemnify, defend, save and hold harmless the County and its officers, employees, agents and volunteers, the State of Oregon, Oregon Transportation Commission and its members, Department of Transportation and its officers, employees and agents from and against any and all claims, actions, liabilities, damages, losses, or expenses, including attorneys' fees, arising from a tort, as now or hereafter defined in ORS 30.260, caused, or alleged to be caused, in whole or in part, by the negligent or willful acts or omissions of Contractor or any of the officers, agents, employees or subcontractors of the Contractor ("Claims"). It is the specific intention of the Parties that State shall, in all instances, except for Claims arising solely from the negligent or willful acts or omissions of State, be indemnified by the Contractor and subcontractor from and against any and all Claims.

Any such indemnification shall also provide that neither Contractor and subcontractor nor any attorney engaged by Contractor and subcontractor shall defend any claim in the name of Marion County or the State of Oregon or any County of the State of Oregon, nor purport to act as legal representative of the State of Oregon or any of its agencies, without the prior written consent of the Oregon Attorney General. The State of Oregon may, at anytime at its election assume its own defense and settlement in the event that it determines that Contractor is prohibited from defending the State of Oregon, or the Contractor is not adequately defending the State of Oregon's interests, or that an important governmental principle is at issue or that it is in the best interests of the State of Oregon to do so. The State of Oregon reserves all rights to pursue claims it may have against Contractor if the State of Oregon elects to assume its own defense.

5. Money due to Contractor under and by virtue of this Contract may be returned for the use of the County; or, in case no money is due, Contractor's surety may be held until such suit or suits, action or actions, claim or claims for injuries or damages as aforesaid shall have been settled and suitable evidence to that effect furnished to the County; except that money due the Contractor will not be

withheld when the Contractor produces satisfactory evidence that Contractor is adequately protected by public liability and property damage insurance.

6. THAT in consideration of the faithful performances of all of the obligations, both general and special, herein set out and in consideration of the faithful performance of the Work as set forth in this Contract, the applicable Invitation to Bid, Plans, Specifications, Bid, and all general and detailed specifications and plans which are a part hereof, and in accordance with the directions of the County and to its satisfaction, the County agrees to pay to the said Contractor the amount earned, as determined from the actual quantities of work performed and the prices and other basis of payment specified, and taking into consideration any amounts that may be deductible under the terms of the Contract, and to make such payments in the manner and at the time provided in the Contract.
7. In the event the Board of Commissioners of the County reduces, changes, eliminates, or otherwise modifies the funding for any of the services identified, the Contractor agrees to abide by any such decision, including termination of service.
8. The County delegates to the Marion County Engineer the authority and responsibility for issuing approvals, providing notices, receiving notices, issuing directives, authorizing change orders, and avoiding and resolving disputes.
9. This contract may be increased by twenty-five (25) percent over the original contract amount to include additional work for the projects specified in the contract, upon mutual agreement of both parties.
10. Contractor, its assignees and successors in interest agree to comply with the requirements of the Marion County Public Works Department Federally Funded Transportation Program Title VI Plan, herein incorporated by this reference, as follows:

- Compliance with Regulations.

The Contractor shall comply with the Regulations relative to nondiscrimination in federally assisted programs of the Department of Transportation (hereinafter DOT), 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.

- Nondiscrimination.

The Contractor, with regard to the Work performed during the contract, shall not discriminate on the grounds of race, color, sex, or national origin in the selection and retention of subcontractors, 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.

- Solicitations for Subcontracts, 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 subcontract, including procurement of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the Contractor of the Contractor's obligations under this Contract and the Regulations relative to nondiscrimination on the ground of race, color, sex, or national origin.

- 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 County or the Oregon Department of Transportation 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 County or the Oregon Department of Transportation as appropriate, and shall set forth what efforts it has made to obtain the information.

- Sanctions for Noncompliance.

In the event of the Contractor's noncompliance with the nondiscrimination provisions of this Contract, County and the Oregon Department of Transportation shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate including, but not limited to:

1. Withholding of payments to the contractor under the Contract until the Contractor complies, and/or;
2. Cancellation, termination, or suspension of the Contract, in whole or in part.

11. Incorporation of Provisions.

The Contractor shall include the provisions of paragraphs (1) through (6) in every subcontract, including procurement of materials and leases of equipment, unless exempt by state or federal Regulations or directives issued pursuant thereto. The Contractor shall take such action with respect to any subcontractor or procurement as Marion County may direct as a means of enforcing such provisions including sanctions for noncompliance.

12. Independent Contractor.

The Contractor is a separate and independently established business, retains sole and absolute discretion over the manner and means of carrying out the Contractor's activities and responsibilities for the purpose of implementing the provisions of this Contract, and maintains the appropriate license/certifications, if required under Oregon Law. Notwithstanding the preceding sentence, County reserves the right to determine schedule for the work to be performed and to evaluate the quality of the completed performance. This Contract shall not be construed as creating an County, partnership, joint venture, employment relationship or any other relationship between the Parties other than that of independent parties. The Contractor is acting as an "independent contractor" and is not an employee of County, and accepts full responsibility for taxes or other obligations associated with payment for services under this Contract. As an "independent contractor", Contractor will not receive any benefits normally accruing to County employees unless required by applicable law. Furthermore, Contractor is free to contract with other parties for the duration of the Contract.

13. Governing Law and Venue.

Any dispute between the County and the Contractor that arises from or relates to this Contract and that is not resolved under the provisions of Section 00199 of the General Conditions shall be brought and conducted solely and exclusively within the Circuit Court of Marion County; provided, however, if a dispute must be brought in a federal forum, then it shall be brought and conducted solely and exclusively within the United States District Court for the District of Oregon. In no event shall this be construed as a waiver by County on any form of defense or immunity, whether sovereign immunity, governmental immunity, immunity based on the Eleventh Amendment to the Constitution of the United States or otherwise, from any claim or from the jurisdiction of any court. CONTRACTOR BY EXECUTION OF THE CONTRACT HEREBY CONSENTS TO THE IN PERSONAM JURISDICTION OF THE COURTS REFERENCED IN THIS SECTION.

IN WITNESS WHEREOF, the parties hereto have subscribed their names and affixed their respective official seals below.

MARION COUNTY SIGNATURE
BOARD OF COMMISSIONERS:

Chair _____ Date _____

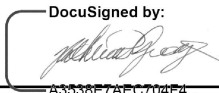
Commissioner _____ Date _____

Commissioner _____ Date _____

Authorized Signature:  _____ Date 5/22/2025
Department Director or designee

Authorized Signature:  _____ Date 5/22/2025
Chief Administrative Officer

Reviewed by Signature:  _____ Date 5/22/2025
Marion County Legal Counsel

Reviewed by Signature:  _____ Date 5/22/2025
Marion County Contracts & Procurement

HP CIVIL, INC. SIGNATURE

Authorized Signature: _____ Date _____

Title: _____

MARION COUNTY PUBLIC WORKS
INVITATION TO BID
FOR
THE CONSTRUCTION OF
NUSOM RD: PUDDING RIVER BRIDGE APPROACH

MARION COUNTY, OREGON
Bid Publication Date: April 2, 2025

Bid Opening: April 24, 2025

MARION COUNTY BID #: PW1663-25 PULLS FROM CMS
OREGONBUYS BID SOLICITATION #: S-C25102-00013097

ECMS NO. 2025-251
ACCOUNTING PROJECT NO. 106299

MARION COUNTY BOARD OF COMMISSIONERS

Danielle Bethell	Commissioner
Colm Willis	Commissioner
Kevin Cameron	Commissioner

Brian Nicholas, Director of Public Works



Electronic copies of this Invitation To Bid and attachments, if any, can be obtained from the Marion County Procurement Portal at the URL:

<https://contracts.co.marion.or.us/gateway/>

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INTRODUCTION

1.1 Description of Work

Construction of Nusom Rd: Pudding River Bridge Approach as called for in the Plans and Specifications, and such Incidental Work as requested by the Engineer. The estimated project cost range is \$250,000 to \$500,000.

1.2 Requests for Clarification or Changes

As stated in section 00120.15 of the General Conditions for Marion County, any clarification of Plans and Specifications needed by the Bidder shall be submitted to Marion County at least five days prior to the date of Bid Closing. Failure to request clarification or changes in a timely manner shall be deemed acceptance of all the terms and conditions of the Procurement.

1.3 Time, Place and Methods of Receiving Bids

Submit electronic bids as specified in Special Provisions 00120.45 by 2:00 p.m. on April 24, 2025. Bids will be considered time-stamped and received by the Agency at the time they are uploaded to the Procurement Collaboration Portal at:

<https://contracts-marioncountygcc.msapproxy.net/gateway/>.

It is the Bidder's responsibility to ensure that bids are received by the Agency prior to the stated submission deadline at the specified email or physical address. Bids, withdrawals or modifications submitted after the time set for receiving bids will not be opened or considered.

PUBLIC BID OPENING

Electronic Bids will be opened and read in Building 1, Marion County Public Works, 5155 Silverton Road NE Salem, Oregon, Bids for the work described above will be opened and read virtually by the Single Point of Contact on Thursday, April 24, 2025, at 2:00 pm, immediately following Bid Closing. A Microsoft Teams meeting will be held at 2:00 PM for the Bid Opening following the specific time included in the Bid Opening Date. Be sure to have MS Teams access available on your computer or mobile phone and follow the following link [Construction of Nusom Rd: Pudding River Bridge Approach](#).

Bid results will be posted by 10:00 a.m. the next business day on the OregonBuys website at <https://oregonbuys.gov/bsol/> under the solicitation number listed above.

1.4 Revision or Withdrawal of Bids

Refer to section 00120.60 of the General Conditions for Construction for Marion County.

1.5 Time for Completion of Work

Complete all Work to be done no later than September 30, 2025.

Closure of Nusom Road will be limited to one 45-day closure.

Recording of the elapse of Calendar Days, if specified, will begin on the day the Contractor begins On-Site Work as defined in 00110.20.

1.6 Funding

This project is Locally Funded.

1.7 Project Information

Information pertaining to this Project may be obtained from the following person at Marion County Public Works, 5155 Silverton Road NE, Salem, Oregon 97305-3802:

Alicia Jones

503-373-4320

PWcontracts@co.marion.or.us

1.8 Bid Guarantee

No bid shall be considered unless it is accompanied by a surety bond, cashier's check, certified check, or irrevocable letter of credit by an insured institution, as defined in ORS 706.008, of the bidder in the amount of ten percent (10%) of the bid per 00120.40(e).

The county shall return the bid security to all bidders upon the execution of the contract. The county shall retain bid security if a bidder who is awarded a contract fails to promptly and properly execute the contract.

1.9 Applicable Specifications

The Standard Specifications applicable to the Work on this Project are the 2024 Oregon Standard Specifications for Construction, Parts 00200 through 03000, published by the Oregon Department of Transportation (ODOT) and available for download on the ODOT website at: https://www.oregon.gov/odot/Business/Pages/Standard_Specifications.aspx

The General Conditions applicable to the Work on this Project are the General Conditions for Construction for Marion County (v2024), Part 00100, available for download on the Marion County website at: <https://www.co.marion.or.us/PW/Engineering/Pages/default.aspx>.

The Special Provisions applicable to the Work on this Project are enclosed in this Invitation To Bid (ITB). The Special Provisions shall be understood to supersede the Standard Specifications and General Conditions by modification and/or supplement. All number references in the Special Provisions shall be understood to refer to the section or subsection of the Standard Specifications or General Conditions bearing like numbers.

1.10 Prevailing Wage Rate Requirements

This Project is subject to Oregon prevailing wage rate law (BOLI), and any amendments in effect at the time of solicitation. The existing State prevailing wage rates last published at least 10 Calendar Days prior to the Bid Closing apply to this Project, unless modified by Addendum.

1.11 Mandatory Submission Forms

The following forms must be completed, signed and returned with the Bidder's submission package as **one pdf file:**

- Bid Schedule – Attachment A
- Bid Certification – Attachment B
- Bid Bond (or other Bid Guarantee as allowed in 00120.40(e)) – Attachment C
- Drug and Alcohol Testing Policy Certification – Attachment D

NOTE: All mandatory submission forms must be combined and submitted as one pdf file.

The following form must be completed, signed and returned within two (2) hours of the Bid Closing:

- First-Tier Subcontractor Disclosure Form – Attachment E

The Agency may consider any Bid that does not include the mandatory submission forms identified in this section, filled out completely and appropriately endorsed, to be non-responsive. The Agency reserves the right to waive minor informalities and irregularities in determining the responsiveness of individual Bids. Non-responsive Bids shall not be considered for award.

1.12 Bid Evaluation

The Agency will perform an analysis of the bids to determine if any significantly unbalanced items are to the detriment of the Agency per Section 00120.70 of the General Conditions. The Agency reserves the right to reject any such bid that is mathematically and materially unbalanced. A materially unbalanced bid is when the Agency determines that an award to the Bidder submitting a mathematically unbalanced bid likely will not result in the lowest ultimate cost to the Agency.

1.13 Time Limit of Unsettled Disputes

No action, suit or other legal proceedings shall be maintained by any party thereto against another party hereto upon any claim or cause of action arising out of the Contract or breach thereof or anything done in connection therewith unless commenced within one (1) year of the Final Acceptance of Work under this Contract. All claims or causes of action in any way resulting from this Contract shall be deemed barred unless action or suit thereon shall have been commenced within such time.

1.14 Contract Expiration Date

Contract ECMS# 2025-251 expires on September 30, 2026.

BID SCHEDULE
Marion County Public Works
Nusom Road: Pudding River Bridge Approach
Marion County Bid Solicitation #: PW1663-25
OregonBuys Bid Solicitation #: S-C25102-00013097
ECMS #: 2025-251

PROJECT NUMBER 1 - NUSOM RD: PUDDING RIVER BRIDGE

ITEM #	DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
210.100	MOBILIZATION	1.00	LUMP SUM	\$26,408.55	\$26,408.55
225.050	TEMPORARY PROTECTION AND DIRECTION OF TRAFFIC	1.00	LUMP SUM	\$27,500.00	\$27,500.00
225.075	TEMPORARY SIGNS	300.00	SQUARE FEET	\$10.00	\$3,000.00
225.114	TEMPORARY BARRICADES, TYPE III	8.00	EACH	\$150.00	\$1,200.00
225.210	TEMPORARY PLASTIC DRUMS	40.00	EACH	\$30.00	\$1,200.00
225.450	PORTABLE CHANGEABLE MESSAGE SIGNS	2.00	EACH	\$1,500.00	\$3,000.00
225.490	FLAGGERS	80.00	HOURS	\$55.00	\$4,400.00
280.100	EROSION CONTROL	1.00	LUMP SUM	\$1,500.00	\$1,500.00
280.192	INLET FILTER INSERTS, TYPE 3	2.00	EACH	\$200.00	\$400.00
280.255	CONCRETE WASHOUT FACILITY	1.00	EACH	\$1,500.00	\$1,500.00
280.322	SEDIMENT BARRIER, TYPE 3	440.00	FEET	\$6.00	\$2,640.00
290.100	POLLUTION CONTROL PLAN	1.00	LUMP SUM	\$100.00	\$100.00
305.100	CONSTRUCTION SURVEY WORK	1.00	LUMP SUM	\$5,000.00	\$5,000.00
310.100	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1.00	LUMP SUM	\$67,500.00	\$67,500.00
320.100	CLEARING AND GRUBBING	1.00	LUMP SUM	\$1,000.00	\$1,000.00
501.100	BRIDGE REMOVAL WORK	1.00	LUMP SUM	\$10,000.00	\$10,000.00
510.250	STRUCTURE EXCAVATION	1.00	LUMP SUM	\$1,500.00	\$1,500.00
510.750	GRANULAR STRUCTURE BACKFILL	1.00	LUMP SUM	\$500.00	\$500.00
530.100	REINFORCEMENT	1.00	LUMP SUM	\$21,400.00	\$21,400.00
542.110	CONCRETE REPAIR	8.00	SQUARE YARDS	\$500.00	\$4,000.00
545.100	REINFORCED CONCRETE BRIDGE END PANELS	87.00	SQUARE YARDS	\$1.00	\$87.00
585.100	ASPHALTIC PLUG JOINT SEAL	1.00	LUMP SUM	\$8,000.00	\$8,000.00
585.220	POURED JOINT SEAL	1.00	LUMP SUM	\$1,750.00	\$1,750.00
640.100	AGGREGATE BASE	360.00	TONS	\$20.00	\$7,200.00
740.120	COMMERCIAL ASPHALT CONCRETE PAVEMENT, 1/2" DENSE	225.00	TONS	\$150.00	\$33,750.00
810.100	GUARD RAIL, TYPE 2A	50.00	FEET	\$35.00	\$1,750.00
810.250	GUARDRAIL TRANSITION	4.00	EACH	\$3,200.00	\$12,800.00
810.370	GUARDRAIL TERMINALS, NON- FLARED, TEST LEVEL 3	4.00	EACH	\$3,500.00	\$14,000.00
1030.227	NATIVE PLANT SEEDING	0.10	ACRES	\$10,000.00	\$1,000.00

ECMS 2025-251 - TOTAL EXTENSION

\$264,085.55

ATTACHMENT B – BID CERTIFICATION

The Honorable Board of
County Commissioners
Marion County Courthouse
Salem, Oregon 97301

Commissioners:

The Undersigned, hereinafter called the Bidder, declares that the only person or parties interested in this Bid are those named herein; that this Bid Certification is in all respects fair and without fraud; that it is made without collusion with any official or employee of the County, and without any connection or collusion with any person making another certification on this Contract.

The Bidder also certifies to the following:

A. Noncollusion:

- The price(s) and amount of this Bid have been arrived at independently and without consultation, communication, or agreement with any other contractor, bidder, or potential bidder except as disclosed on a separately attached statement.
- Neither the price(s) nor the amount of this Bid, and neither the approximate price(s) nor approximate amount of this Bid has been disclosed to any other firm or person who is a bidder or potential bidder, and they will not be disclosed before the opening of bids.
- No attempt has been made or will be made to induce any firm or person to refrain from bidding on this contract, to submit a bid higher than this Bid, or to submit any intentionally high or noncompetitive bid or other form of complementary bid.
- This Bid is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or other noncompetitive bid.
- The Bidder, its affiliates, subsidiaries, officers, directors, and employees are not currently under investigation by any governmental agency and have not in the last four years been convicted of or found liable for any act, prohibited by State or Federal law in any jurisdiction, involving conspiracy or collusion with respect to bidding on any public contract except as described on a separately attached statement.
- The Bidder understands and acknowledges that the above representations are material and important and will be relied on by Marion County, in awarding the contract(s) for which this Bid is submitted. The Bidder understands that any misstatement in this Certification is and shall be treated as fraudulent concealment from Marion County, of the true facts relating to the submission of bids for this contract.

B. Noninvolvement in Any Debarment and Suspension:

The Bidder, its owners, directors, and officers:

- Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;

- Have not within a three-year period preceding this Bid been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
- Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in the preceding paragraph of this Certification; and
- Have not within a three-year period preceding this Bid had one or more public transactions (Federal, State, or local) terminated for cause or default.

Where the prospective primary participant is unable to certify to any of the statements in this Certification, the prospective primary participant shall attach an explanation to this Bid.

List exceptions in writing on one or more pages, as necessary, with the heading, "Certification Exceptions, Bid Insert," and attach all pages to this Bid Certification. For each exception noted, indicate to whom the exception applies, initiating agency, and date(s) of action.

C. Lobbying Activities:

To the best of my knowledge and belief, that:

- No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions to the ODOT Procurement Office - Construction Contracts Unit, MS# 2-2, 3930 Fairview Industrial Drive SE, Salem, Oregon 97302-1166. Copies of Standard Form-LLL are available at the above location.
- This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this Certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required Certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.
- The prospective participant also agrees by submitting his or her Bid that he or she shall require that the language of this Certification be inserted in all lower tier subcontracts, which exceed \$100,000 and that all such subrecipients shall certify and disclose accordingly.

D. Compliance With Oregon Tax Laws:

- By signature on this Bid, the undersigned hereby certifies under penalty of perjury that the undersigned is authorized to act on behalf of Bidder, that the undersigned has authority and knowledge regarding Bidder's payment of taxes, and that Bidder is, to the best of the undersigned's knowledge, not in violation of any Oregon Tax Laws. For purposes of this certification, "Oregon Tax Laws" means a state tax imposed by ORS 320.005 to 320.150 (Amusement Device Taxes), ORS 403.200 to 403.250 (Tax For Emergency Communications), and ORS Chapters

118 (Inheritance Tax), 314 (Income Tax), 316 (Personal Income Tax), 317 (Corporation Excise Tax), 318 (Corporation Income Tax), 321 (Timber And Forestland Tax), 323 (Cigarettes And Tobacco Products Tax), and the elderly rental assistance program under ORS 310.630 to 310.706, and any local taxes administered by the Department of Revenue under ORS 305.620.

E. Employee Drug Testing Program:

- Pursuant to ORS 279C.505(2), that the bidder has an employee drug testing program in place, and will maintain such program for the entire period of this contract. Failure to maintain such program shall constitute a material breach of contract.

F. Nondiscrimination:

- Pursuant to ORS 279A.110, that the Bidder has not discriminated and will not discriminate against a disadvantaged business enterprise, a minority-owned business, a woman-owned business, a business that a service-disabled veteran owns, or an emerging small business in obtaining any required subcontracts. The Bidder understands that it may be disqualified from bidding on this public improvement project if the Agency finds that the Bidder has violated subsection (1) of ORS 279A.110.

G. Use of Registered Subcontractors:

- That all subcontractors performing work on this public improvement contract will be registered with the Construction Contractors Board or licensed by the State Landscape Contractors Board in accordance with ORS 701.035 to 701.055 before the subcontractors commence work under this contract.

H. Incorporation of All Addenda:

- The Bidder has incorporated into this Bid all Addenda issued for this Project.
- The Bidder understands and acknowledges that the Agency will provide all Addenda only by publishing them on the OregonBuys website. Addenda may be downloaded from the OregonBuys website.
- The Bidder shall be responsible for diligently checking the OregonBuys website for Addenda. Bidders should check the web site at least weekly until one (1) week prior to the designated time to receive bids and daily thereafter.
- By submitting this Bid, the Bidder assumes all risks associated with its failure to access all Addenda and waives all claims, suits, and actions against the State, Agency, the Agency's governing commission and its members, and their officers, agents, and employees that may arise out of the Bidder's failure to access all Addenda, in spite of any contingencies such as website failure, downtime, service interruptions, and corrupted, inaccurate, or incomplete Addenda or information.

The Bidder declares that the Bidder has carefully examined the Specifications and other proposed Contract Documents; that the Bidder personally has made an examination of the site of the proposed Work and has made the necessary investigations to determine the conditions to be encountered independently of the indications in the Specifications. The applicable Standard Specifications, General Conditions, Special Provisions, and other Contract Documents bound herewith are by reference a part of this Bid Certification.

The Bidder agrees to accept as full payment for the Work herein proposed or the materials to be furnished the amount computed as determined by the provisions of this Invitation To Bid and based on the following Bid Certification, it being expressly understood that the unit prices listed are independent of the exact quantities involved, where unit prices apply.

The Bidder further declares the total amount of work, expressed in dollars, Bidder's company reasonably believes it is capable of bonding at any one time: \$ 125 million The Bidder declares the portion of this amount which remains available at time of completion of this form is \$ 60 million

The Bidder further agrees that the provisions required by ORS 279C.840 shall be included in the Contract.

The bidder is prequalified on the Oregon Department of Transportation (ODOT) list for the Work categories requested for this Project.

Acknowledgement of receipt of addenda:

No. <u>NONE</u>	Date: _____
No. _____	Date: _____
No. _____	Date: _____
No. _____	Date: _____
No. _____	Date: _____

[The remainder of this page intentionally left blank.]

Experience / References

The information on this form may be utilized by Marion County to consider whether a Bidder has met the standards of responsibility set forth in ORS279C.375.

Current Contracts in Force/Previous Experience – minimum of three required of similar nature with public sector work.

Contract #1	MARION COUNTY FERRY
Location (city/state)	SALEM, OR
Owners Name	MARION COUNTY PUBLIC WORKS - STEVE
Type of Work	BRIDGES, STRUCTURES, STEEL WORK, ELECTRICAL
% Completed	90% - WEEKS REMAINING
Estimated Completion Date	7-25

Contract #2	OR26: CLEAR LAKE
Location (city/state)	WARM SPRINGS HIGHWAY, WASCOS & JEFFERSON COUNTIES
Owners Name	Oregon Department of Transportation
Type of Work	Earthwork, Drainage, Bridges, Structures, Streamwork, Traffic
% Completed	100%
Estimated Completion Date	10-31-2023

Contract #3	SANTIAM RIVER (GATES) BRIDGE
Location (city/state)	GATES, OREGON
Owners Name	MARION COUNTY PUBLIC WORKS - STEVE
Type of Work	BRIDGES, EARTHWORK, TRAFFIC CONTROL, ROAD PAVING
% Completed	100%
Estimated Completion Date	3-30-2025

References – minimum of two project owner references and two subcontractor references.

#1 Project Owner Reference

Reference Name	-NA-
Business or Employer	
Telephone	
Project Name/\$ Amount	

#2 Project Owner Reference

Reference Name	
Business or Employer	
Telephone	
Project Name/\$ Amount	

#1 Subcontractor Reference

Reference Name	
Business or Employer	
Telephone	
Project Name/\$ Amount	

#2 Subcontractor Reference

Reference Name	
Business or Employer	
Telephone	
Project Name/\$ Amount	

The name of the Bidder who is submitting this Bid Certification is:

Company: HP CIVIL INC.
(Print or Type)

Address: 8795 AUMSVILLE HIGHWAY SE
(Print or Type)

City, State Zip SALON, OR 97317
(Print or Type)

which address is the address to which all communications considered with this Bid Certification and with the Contract shall be sent.

The names of the principal officers of the corporation submitting this Bid and Bid Certification or of the partners, if the Bid Certification is submitted by a partnership, or of all persons interested in this Bid Certification as principals, are as follows:

Larry Gescher

Josh Smith

Dated this 24TH day of APRIL, 20 25

Construction Contractor's
Board Registration Number

202060

HP CIVIL INC.
Firm Name

[Signature]
Signature of Bidder

Joshua J. Smith
Name Print or Type

Vice President
Title Print or Type

Telephone No. 503. 769. 2466

Email Address: estimating@hpcivil.com

Tax ID # 46-4349552

Business Organization: (Check one)

- ☒ Corporation ☐ Limited Liability Company ☐ Joint Venture
☐ Partnership ☐ Sole Proprietorship ☐ Other _____

ATTACHMENT C – BID BOND

KNOW ALL PERSONS BY THESE PRESENTS, that HP Civil Inc.,
hereinafter called the Principal, and Swiss Re Corporate Solutions
America Insurance Corporation, a Corporation organized and existing under
and by virtue of the laws of the state Missouri duly authorized to do surety business in the State of
Oregon as Surety, are held and firmly bound unto Marion County hereinafter called the County, in the sum
of Ten Percent of Total Amount Bid Dollars (\$ 10%), for the payment of which, well
and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns,
jointly and severally, firmly by these presents.

THE CONDITION OF THIS BOND IS SUCH THAT, WHEREAS, the Principal herein is herewith submitting
Nusom Rd: Pudding River Bridge
his or its Bid Proposal for Approach said Bid Proposal, by reference thereto,
being hereby made a part hereof.

NOW THEREFORE, if the said Bid Proposal submitted by the said Principal be accepted, and the Contract
be awarded to said Principal, and if the said Principal shall execute the proposed Contract as required by
the bidding and the Contract Documents within the time set by said Documents, then this obligation shall be
void. If the Principal shall fail to execute the proposed Contract, the Surety hereby agrees to pay to the
County the sum as liquidated damages.

Signed and sealed this 15th day of April, 2025

A certified copy of the Agent's
Power-of-Attorney must be
Attached hereto.

HP Civil Inc.

Principal

By: *Harry Jeschen*

Swiss Re Corporate Solutions America Insurance Corporation

Surety

By: *Tracy Stewart*

Attorney-in-Fact Tracy Stewart

SWISS RE CORPORATE SOLUTIONS

SWISS RE CORPORATE SOLUTIONS AMERICA INSURANCE CORPORATION ("SRCSAIC")
 SWISS RE CORPORATE SOLUTIONS PREMIER INSURANCE CORPORATION ("SRCSPIC")
 WESTPORT INSURANCE CORPORATION ("WIC")

GENERAL POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, THAT SRCSAIC, a corporation duly organized and existing under laws of the State of Missouri, and having its principal office in the City of Kansas City, Missouri, and SRCSPIC, a corporation organized and existing under the laws of the State of Missouri and having its principal office in the City of Kansas City, Missouri, and WIC, organized under the laws of the State of Missouri, and having its principal office in the City of Kansas City, Missouri, each does hereby make, constitute and appoint:

DEREK A. SADOWSKI, TY MOFFETT, TRACY STEWART, and STACI O'DELL

JOINTLY OR SEVERALLY

Its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver, for and on its behalf and as its act and deed, bonds or other writings obligatory in the nature of a bond on behalf of each of said Companies, as surety, on contracts of suretyship as are or may be required or permitted by law, regulation, contract or otherwise, provided that no bond or undertaking or contract or suretyship executed under this authority shall exceed the amount of:

ONE HUNDRED TWENTY-FIVE MILLION (\$125,000,000.00) DOLLARS

This Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolutions adopted by the Boards of Directors of both SRCSAIC and SRCSPIC at meetings duly called and held on the 18th of November 2021 and WIC by written consent of its Executive Committee dated July 18, 2011.

"RESOLVED, that any two of the President, any Managing Director, any Senior Vice President, any Vice President, the Secretary or any Assistant Secretary be, and each or any of them hereby is, authorized to execute a Power of Attorney qualifying the attorney named in the given Power of Attorney to execute on behalf of the Corporation bonds, undertakings and all contracts of surety, and that each or any of them hereby is authorized to attest to the execution of any such Power of Attorney and to attach therein the seal of the Corporation; and it is

FURTHER RESOLVED, that the signature of such officers and the seal of the Corporation may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be binding upon the Corporation when so affixed and in the future with regard to any bond, undertaking or contract of surety to which it is attached."



By Erik Janssens
 Erik Janssens, Senior Vice President of SRCSAIC & Senior Vice President
 of SRCSPIC & Senior Vice President of WIC

By Gerald Jagrowski
 Gerald Jagrowski, Vice President of SRCSAIC & Vice President of SRCSPIC
 & Vice President of WIC



IN WITNESS WHEREOF, SRCSAIC, SRCSPIC, and WIC have caused their official seals to be hereunto affixed, and these presents to be signed by their authorized officers

this 10 day of NOVEMBER, 20 22

State of Illinois
 County of Cook

SS

Swiss Re Corporate Solutions America Insurance Corporation
 Swiss Re Corporate Solutions Premier Insurance Corporation
 Westport Insurance Corporation

On this 10 day of NOVEMBER, 20 22, before me, a Notary Public personally appeared Erik Janssens, Senior Vice President of SRCSAIC and Senior Vice President of SRCSPIC and Senior Vice President of WIC and Gerald Jagrowski, Vice President of SRCSAIC and Vice President of SRCSPIC and Vice President of WIC, personally known to me, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as officers of and acknowledged said instrument to be the voluntary act and deed of their respective companies.



Christina Manisco
 Christina Manisco, Notary

I, Jeffrey Goldberg, the duly elected Senior Vice President and Assistant Secretary of SRCSAIC and SRCSPIC and WIC, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney given by said SRCSAIC and SRCSPIC and WIC, which is still in full force and effect.

IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 12th day of May, 20 25.

Jeffrey Goldberg
 Jeffrey Goldberg, Senior Vice President &
 Assistant Secretary of SRCSAIC and
 SRCSPIC and WIC

(NOTE: CONTRACTORS MUST USE THIS FORM, NOT A SURETY COMPANY FORM)

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This obligation shall continue to bind the PRINCIPAL and SURETY, notwithstanding successive payments made hereunder, until the full amount of the obligation is exhausted, or if the full amount of the obligation is not exhausted and no claim is pending resolution, until such time as no further claims can be made pursuant to law with regard to the above-described project, by any claimant specified in ORS 279C.600.

If more than one SURETY is on this bond, each SURETY hereby agrees that it is jointly and severally liable for all obligations of this bond.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this 12th day of May, 2025.

Swiss Re Corporate Solutions America
Insurance Corporation

SURETY

By: Tracy Stewart Digitally signed by Tracy Stewart
Date: 2025.05.12 12:21:21 -07'00'

Title: Tracy Stewart, Attorney-in-Fact

1605 Liberty Street SE
Street Address

Salem, OR 97302
1. City, State Zip

(503) 362-2711
Phone Number

HP Civil Inc.

CONTRACTOR

By: *Harry Jescher*

Title: PRESIDENT

8795 ANNISVILLE HWY SE
Street Address

SALEM, OR 97317

(503) 769-2466
Phone Number



(NOTE: CONTRACTOR MUST USE THIS FORM, NOT A SURETY COMPANY FORM)

16

IN WITNESS WHEREOF, we have hereunto set our hands and seals this 12th day of
May, 2025.

Swiss Re Corporate Solutions America
Insurance Corporation

SURETY

By: Tracy Stewart Digitally signed by Tracy Stewart
Date: 2025.05.12 12:20:47 -07'00'

Title: Tracy Stewart, Attorney-in-Fact

1605 Liberty Street SE

Street Address

Salem, OR 97302

City State ZIP

(503) 362-2711

Phone Number

HP Civil Inc.

CONTRACTOR

By: Larry Escher

Title: PRESIDENT

8795 AUMSVILLE Hwy SE

Street Address

SALEM, OR 97317

City State ZIP

(503) 769-2466

Phone Number



ATTACHMENT E – FIRST-TIER SUBCONTRACTOR DISCLOSURE FORM INSTRUCTIONS

Instructions for Submitting Form

Submittal of the First-Tier Subcontractor Disclosure Form is mandatory for all public improvement project bids estimated to exceed \$100,000. Submit the First-Tier Subcontractor Disclosure Form in one of the following manners:

- By filling out the Subcontractor Disclosure Form included in the Invitation To Bid and submitting it, in PDF format, together with the Bid documents to the Agency's Procurement Collaboration Portal at the time designated for receipt of Bids; or
- By removing it from the Invitation To Bid, filling it out, signing and dating in ink, and submitting it separately, in PDF format, to the "My Company Info" page within the Agency's Procurement Collaboration Portal; or
- By removing it from the Invitation To Bid, filling it out, signing and dating in ink and submitting it separately in a sealed envelope to the receptionist at Marion County Public Works, Building 1, 5155 Silverton Road NE, Salem Oregon 97305. The envelope shall be plainly labeled "First-Tier Subcontractors for Bid on "Construction of Nusom Rd: Pudding River Bridge Approach" (see Invitation To Bid cover page).

Instructions for First-Tier Subcontractor Disclosure

Use the First-Tier Subcontractor Disclosure Form to disclose all subcontracts included in the Bid that are equal to or greater than the following:

1. Five percent (5%) of the total project Bid or \$15,000, whichever is greater, or
2. \$350,000 regardless of the percentage of the total project Bid

Disclose the following information for each subcontractor:

- The name of the subcontractor
- The category of work that the subcontractor will be performing
- The dollar amount of the subcontract

If your Bid includes no subcontractors or if your Bid includes no contracts that are equal to or greater than the disclosure criteria, above, you are still required to submit the form, with the appropriate box checked or enter "NONE" on the first line.

THE AGENCY MUST REJECT BIDS if the Bidder fails to submit the disclosure form with this information by the stated deadline.

FIRST-TIER SUBCONTRACTOR DISCLOSURE FORM

Project Name Nusom Rd: Pudding River Bridge Approach
 ECMS Contract # 2025-251
 Bid Opening Date 04/24/2025
 Name of Bidding Contractor HP CIVIL INC.

☒ CHECK THIS BOX IF YOU WILL NOT BE USING ANY FIRST-TIER SUBCONTRACTORS OR IF YOU ARE NOT SUBJECT TO THE DISCLOSURE REQUIREMENTS (SEE INSTRUCTIONS).

FIRST-TIER SUBCONTRACTORS

Firm Name NONE	Dollar Amount
Category of Work	
Firm Name	Dollar Amount
Category of Work	
Firm Name	Dollar Amount
Category of Work	
Firm Name	Dollar Amount
Category of Work	
Firm Name	Dollar Amount
Category of Work	
Firm Name	Dollar Amount
Category of Work	
Firm Name	Dollar Amount
Category of Work	

(Attach additional sheets as necessary)

PROJECT WAGE RATES

Minimum Wage Requirements - This Project is subject to State prevailing wage rate requirements. Not less than the existing State prevailing wage rates shall be paid to workers according to 00170.65(b) and 00170.65(e).

Applicable Wages - Prevailing wage rates published in the wage determinations and any applicable modifications or amendments apply to this Project and are incorporated by reference:

(1) Oregon Bureau of Labor and Industries (BOLI), "Prevailing Wage Rates For Public Works Contracts in Oregon".

The applicable State prevailing wage rates last published prior to the time of Bid Opening, which is stated on the Invitation to Bid, apply to this Project.

Wage Rates are Internet-Accessible - The BOLI wage rates can be found on the Oregon Bureau of Labor and Industries website at: <https://www.oregon.gov/boli/WHD/PWR/Pages/index.aspx>.

Wage Rates are Subject to Change - Modifications or amendments to BOLI wage rates applicable to this Project may occur at any time before Bid Opening. Bidders are responsible to monitor the respective web page for modifications and amendments up until Bid Opening.

SPECIAL PROVISIONS

PART 00100 – GENERAL CONDITIONS

Replace "PART 00100 – GENERAL CONDITIONS" of the 2024 Oregon Standard Specifications for Construction with the following:

General Conditions for Construction for Marion County, v2024, a Supplemental Specification published by Marion County on the Marion County Public Works Engineering Division website at <http://www.co.marion.or.us/PW/Engineering> and included in these Special Provisions by reference.

SECTION 00110 - ORGANIZATION, CONVENTIONS, ABBREVIATIONS, AND DEFINITIONS

Comply with Section 00110 of the General Conditions modified as follows.

00110.05(e) Reference to Websites - Add the following bullet list to the end of this subsection:

- ATSSA - American Traffic Safety Services Association
www.atssa.com
- NTMAG - Nonfield-Tested Materials Acceptance Guide
https://www.oregon.gov/odot/Construction/Documents/NTMAG_202401.pdf
- QPL - Qualified Products List
www.oregon.gov/ODOT/Construction/Pages/Qualified-Products.aspx

SECTION 00120 – BIDDING REQUIREMENTS AND PROCEDURES

Comply with Section 00120 of the General Conditions modified as follows:

00120.00 Prequalification of Bidders – Replace the first sentence with the following:

For this project the Agency requires contractors to be prequalified with the Oregon Department of Transportation (ODOT), which will prequalify bidders according to ODOT's Oregon Administrative Rules and prequalification procedures.

SECTION 00130 – AWARD AND EXECUTION OF CONTRACT

Comply with Section 00130 of the General Conditions.

SECTION 00140 - SCOPE OF WORK

Comply with Section 00140 of the General Conditions

SECTION 00150 - CONTROL OF WORK

Comply with Section 00150 of the General Conditions modified as follows:

00150.50(c) Contractor Responsibilities – Add the following to the end of the bullet list:

- When power lines overhang the work area, maintain the minimum vertical clearance between power lines and equipment according to the Occupational Safety and Health Administration’s “Table A – Minimum Clearance Distances”.

Add the following subsection:

00150.50(f) Utility Information - Within the Project limits, there are no anticipated utility conflicts with the Utilities listed in Table 00150-1. The Contractor shall contact those Utilities having buried facilities and request that they locate and mark them for their protection prior to construction.

Table 00150-1

Utility	Contact Information
PGE	Summer Benett 503-508-7679 Summer.bennett@pgn.com
NWN	Blake Johnson 971-979-6859 Blake.Johnson@nwnatural.com

SECTION 00160 - SOURCE OF MATERIALS

Comply with Section 00160 of the General Conditions.

SECTION 00165 - QUALITY OF MATERIALS

Comply with Section 00165 of the General Conditions modified as follows:

00165.10(a) Field-Tested Materials - Add the following sentence to this subsection:

Material testing will be according to Section 5 of the MFTP for a Type D Project

SECTION 00170 - LEGAL RELATIONS AND RESPONSIBILITIES

Comply with Section 00170 of the General Conditions modified as follows:

00170.70(a) Insurance Coverages – Add the following after the first paragraph:

Insurance Coverages per Occurrence	Combined Single Limit	Annual Aggregate Limit
• Commercial General Liability	\$1,000,000	\$2,000,000
• Commercial Auto Liability	\$1,000,000	(Aggregate limit not required)

SECTION 00180 - PROSECUTION AND PROGRESS

Comply with Section 00180 of the General Conditions modified as follows:

Add the following subsection:

00180.40(c) Specific Limitations - Limitations of operations specified in these Special Provisions include, but are not limited to, the following:

Limitations	Subsection
Cooperation with Utilities	00150.50
Contract Time	00180.50(h)
Right-of-way and Access Delays	00180.65
Closed Lanes	00220.40(e)(1)
Opening Sections to Traffic	00744.51

The Contractor shall be aware of and subject to schedule limitations in the Standard Specifications that are not listed in this subsection.

00180.41 Project Work Schedules - After the paragraph that begins "One of the following Type..." add the following paragraph:

In addition to the "look ahead" Project Work schedule, a Type B schedule as detailed in the Standard Specifications is required on this Contract.

Add the following subsection:

00180.50(h) Contract Time - The Contractor shall complete all Work to be done under the Contract not later than the date specified in Section 1.4 of the Introduction.

00180.80(d) Basis for Adjustment of Contract Time – Replace the second to the last bullet in this subsection with the following bullet:

- Reasonably predictable weather conditions; or

00180.85(b) Liquidated Damages – Replace the paragraph with the following:

Marion County will sustain damage if the Work required under the Contract is not completed within the specified Contract Time. The actual damage the County will sustain will be impossible to accurately determine. Therefore, the Contractor agrees to pay to the County, not as a penalty but as liquidated damages:

- (1) The amount of \$1,210 for each Calendar Day used in excess of the Contract Time or adjusted Contract Time for all Work under the Contract.
- (2) The amount of \$1,210 for each Calendar Day that Nusom Road is closed in excess of 45 days.

Calendar Day amounts are applicable when the Contract Time is expressed on the Calendar Day or fixed date basis.

SECTION 00190 - MEASUREMENT OF PAY QUANTITIES

Comply with Section 00190 of the General Conditions.

SECTION 00195 - PAYMENT

Comply with Section 00195 of the General Conditions modified as follows:

00195.10 Asphalt Cement Material Price Escalation/De-escalation – Replace the first sentence with the following:

A Escalation/De-escalation clause is in effect during the life of this contract.

00195.10(d) Asphalt Cement Price Adjustment – Delete the pay item:

- Emulsified Asphalt for Tack Coat.

SECTION 00196 - PAYMENT FOR EXTRA WORK

Comply with Section 00196 of the General Conditions.

SECTION 00197 - PAYMENT FOR FORCE ACCOUNT WORK

Comply with Section 00197 of the General Conditions.

SECTION 00199 - DISAGREEMENTS, PROTESTS, AND CLAIMS

Comply with Section 00199 of the General Conditions.

SECTION 00210 - MOBILIZATION

Comply with Section 00210 of the Standard Specifications.

SECTION 00220 - ACCOMMODATIONS FOR PUBLIC TRAFFIC

Comply with Section 00220 of the Standard Specifications modified as follows:

00220.03 Closures – Add the following bullet:

Provide written notification to emergency services, a minimum of 10 days before closing a traffic lane. Provide a copy to the Engineer.

00220.40(e)(1) Closed Lanes - Replace this subsection, except for the subsection number and title, with the following:

While Nusom Road is open to through traffic, one traffic lane may be closed on Nusom Road NE as follows:

Daily, Monday through Friday, between 7:00 a.m. and 5:00 p.m.

Except as specified in 00220.40(e)(2) and when Nusom Road is closed to through traffic:

Add the following subsection:

00220.41 Bridge Work - Before removing any Pavement, arrange so that all Equipment, labor, and Materials required to complete the repair work are on hand or are guaranteed to be delivered. Once work starts on the bridge vigorously prosecute and complete this Work.

Temporarily taper transverse grade drop-offs with an asphalt concrete mixture to provide a smooth and safe transition. Construct tapers according to 00620.40, or as directed by the Engineer.

SECTION 00221 - COMMON PROVISIONS FOR WORK ZONE TRAFFIC CONTROL

Comply with Section 00221 of the Standard Specifications.

SECTION 00222 – TEMPORARY TRAFFIC CONTROL SIGNS

Comply with Section 00222 of the Standard Specifications modified as follows:

00222.90 Payment – Replace the first sentence with the following:

The accepted quantities of work performed under this subsection will be paid for at the contract unit price, per unit of measurement, as follows:

Temporary signs used for temporary traffic control will be paid by the square foot. All detour signs will be paid according to 00230.90.

SECTION 00223 - WORK ZONE TRAFFIC CONTROL LABOR AND VEHICLES

Comply with Section 00223 of the Standard Specifications modified as follows:

00223.90 Payment – Delete pay item (b) Traffic Control Supervisor.

SECTION 00224 - TEMPORARY TRAFFIC CHANNELIZING DEVICES

Comply with Section 00224 of the Standard Specifications.

00224.90 Payment – Replace the first sentence with the following sentence:

When included in the schedule of bid items, the accepted quantities of traffic delineation will be paid for at the contract unit price, per unit of measurement for the following items.

SECTION 00226 - TEMPORARY ROADSIDE BARRIERS AND IMPACT ATTENUATORS

Comply with Section 00226 of the Standard Specifications modified as follows:

00226.90 Payment - Add the following Pay Item to the end of the Pay Item list:

(o) Temporary Concrete Barrier, ReflectorizedFoot

Item (o) will be payment in full for all labor, equipment, materials and incidental required to complete the work specified.

No separate or additional payment will be made for maintaining the temporary barrier during construction or removing the barrier.

SECTION 00227 - TEMPORARY TRAFFIC SIGNALS AND ILLUMINATION

Comply with Section 00227 of the Standard Specifications.

SECTION 00230 – CONSTRUCT AND REMOVE DETOURS

Section 00230, which is not a Standard Specification, is included in this Project by Special Provision.

Description

00230.00 Scope - This Work consists of installing, maintaining, and removing temporary traffic control devices required for the detour route.

Maintenance

00230.60 Sign Maintenance – The contractor is responsible to inspect the detour route and repair/replace signs damaged by the public and no cost to the agency.

Measurement

00230.80 Measurement - No measurement of quantities will be made for Work performed under this Section. It is estimated that the following approximate quantities of Materials will be required:

Payment

00230.90 Payment - The accepted quantities of Work performed under this Section, will be paid for at the Contract lump sum amount for the item "Construct and Remove Detours".

Payment will be payment in full for installing all detour signs, and maintaining, and removing temporary detour signs and posts, and for furnishing all equipment, labor, and Incidentals necessary to complete the Work as specified.

Temporary signs for flaggers will be paid according to 00222.90.

SECTION 00280 - EROSION AND SEDIMENT CONTROL

Comply with Section 00280 of the Standard Specifications modified as follows:

00280.00 Scope - Replace the paragraph that begins "This Work also consists of providing temporary ..." with the following paragraph:

This Work also consists of providing temporary erosion and sediment control (ESC) measures and furnishing, installing, moving, operating, maintaining, inspecting, and removing ESC throughout the Project area according to the Standard Drawings, the erosion and sediment control plan (ESCP), the Specifications, or as directed, until the site is permanently stabilized. Included also is the monitoring of weather, of stormwater and receiving waters, the reporting of monitoring observations, the reporting of corrective actions (when necessary) and the updates and revisions of the ESCP, including ESCP cover sheet, necessary to keep it representative of current site conditions and compliant with the 1200-CA permit if applicable.

00280.06 Erosion and Sediment Control Manager - Delete this subsection.

00280.15(f)(1) Filter Sock Material - Add the following sentence to the end of this subsection:

Furnish filter sock Material with a diameter of 8 inches.

00280.62 Inspecting and Monitoring – Delete the paragraph that begins "Inspect the Project Site..."

00280.62(a) Inspection - Replace the paragraph that begins "Perform site inspection, complete..." with the following paragraph:

Inspect the Project Site and all ESC devices for Effective Function and potential erosion or sediment movement and complete all applicable parts of the ODOT Erosion Control Monitoring Form, and submit the form to the Agency as follows:

- Weekly for Active sites
- Bi-weekly for inactive sites

00280.62(b) Rainfall – Add the following to the end of this subsection:

The closest on-line rain gauge is located at:

<https://www.wunderground.com/weather/us/or/lyons>

SECTION 00290 - ENVIRONMENTAL PROTECTION

Comply with Section 00290 of the Standard Specifications modified as follows:

00290.10 Staging and Disposal Sites – Replace the paragraph that begins "Locate staging areas..." with the following paragraph:

Locate staging areas and disposal sites in previously improved or disturbed sites, including existing Roadways, pullouts, turnouts, parking lots, and storage yards that have been compacted, and graveled or paved, unless otherwise approved in writing, by the Engineer.

Add the following subsection:

00290.30(a)(7) Water Quality:

- Do not discharge water contaminated by pollutants including sediment, drilling fluids and waste, concrete, grout, or water contained within a work area isolation, into any waters of the State or U.S. or conveyances draining thereto until it has been treated using Materials such as those listed in 00280.15 or 00280.16 or by pumping to a vegetated upland location. Do not allow Project discharges to increase the concentration of any pollutant in the receiving water to a level that exceeds the limits prescribed by OAR 340-041.
- Secure absorbent material around all stationary power equipment (i.e. cranes, jacking equipment, backhoes and track hoes)
- Furnish containment for all small power equipment (i.e. Generators and pumps).
- Implement containment measures adequate to prevent pollutants from entering waters of the State or U.S. Such pollutants include but are not limited to construction and demolition materials, waste spoils, fuel or petroleum products, detergents, silt, welding slag and grindings, concrete sawcutting by-products and sandblasting abrasives.
- Monitor weather and streamflow forecasts and conditions to anticipate high flows that may unintentionally inundate any portion of the Project Site.

Add the following subsection:

00290.34(c) Aquatic Species Protection Measures Required by Environmental Permits:

- Do not apply surface fertilizer within 150 feet of any stream channel.
- Choice of equipment must have the least adverse effects on the environment (for example: minimally sized, low ground pressure).
- Store fuel and maintain all equipment in staging areas that are at least 150 feet away from any waters of the State, waters of the U.S., or storm inlet or on an impervious surface that is isolated from any waters of the State, waters of the U.S., or storm inlet.

(5) Site Restoration - Stabilize all disturbed soils, including obliteration of temporary access roads, following any break in work unless construction will resume in 4 Calendar Days.

(9) Treated Wood - Treated wood includes any wood treated with any pesticide or wood preservatives. Do not use lumber, pilings, or other wood products that are treated or preserved with pesticidal compounds below the ordinary high water (OHW) or as part of an in-water or over-water structure, except as described below:

- Store treated wood shipped to the Project out of contact with standing water and wet soil, and protected from precipitation.
- Visually inspect each load and piece of treated wood. Reject for use in or above aquatic environments if visible residues, bleeding of preservative, preservative-saturated sawdust, contaminated soil, or other matter is present.
- Use pre-fabrication to the extent feasible. When field fabrication is necessary, all cutting and drilling of treated wood, and field preservative treatment of wood exposed by cutting and drilling, shall occur above the OHW. Use tarps, plastic tubs, or similar devices to contain the bulk of any fabrication debris, and wipe off any excess field preservative.
- All treated wood structures, including pilings, shall have design features to avoid or minimize impacts and abrasion by livestock, pedestrians, vehicles, vessels, and floats.
- Treated wood may be used to construct a bridge, over-water structure or an in-water structure, with the exception of the work containment system, provided that all surfaces exposed to leaching by precipitation, overtopping waves, or submersion are coated with a water-proof seal or barrier are maintained. Apply and contain coatings and paint-on field treatment to prevent contamination.

Surfaces that are not exposed to precipitation or wave attack, such as parts of a timber bridge completely covered by the bridge deck, are exempt from this requirement.

- During demolition of treated wood, ensure that no treated wood debris falls into the water. If treated wood debris does fall into the water, remove it immediately.
- Store removed treated wood debris in appropriate dry storage areas, at least 150 feet away from the regulated work area.

00290.36(a) Migratory Birds - Add the following to the end of this subsection:

Do not disturb migratory bird nesting habitat (shrubs, trees, and structures), or clear vegetation from March 1 to September 1 of each year without prior written approval from the Engineer. Notify the Engineer, in writing, a minimum of 10 Calendar Days prior to starting activities that could harm nesting birds.

(1) Bird Management - Bird management activities to comply with the Migratory Bird Treaty Act (16 U.S.C. 703 712) will be performed by the Agency. Ensure that the Agency and its permitted agents have access to the project area, as needed to prevent migratory bird nesting. Nesting prevention may include daily bird harassment and the installation and maintenance of devices that exclude birds.

Do not disturb migratory bird nesting habitats (shrubs, trees, and structures), or clear vegetation from March 1 to September 1 of each calendar year without prior written approval from the Engineer. Notify the Engineer, in writing, a minimum of 10 Calendar Days prior to starting activities that could harm nesting birds.

Add the following subsection:

00290.42 Work Containment Plan - Develop and submit a WCP for approval at least 14 Calendar Days prior starting work.. Maintain a copy of the WCP on the Project Site at all times during construction, readily available to employees and inspectors. Ensure that all employees comply with the provisions of the WCP. Design the WCP to avoid or minimize disturbance to protected features sensitive aquatic life related to Contractor operations.

Notify the Engineer at least 5 Calendar Days before beginning work access or containment construction activities.

The Agency reserves the right to stop Work and require the Contractor to change the WCP methods and Equipment before any additional Contract Work, at no additional cost to the Agency.

00290.90 Payment – After the third paragraph add the following two paragraphs:

No separate or additional payment will be made for the work containment plan.

No separate or additional payment will be made for work zone fencing.

SECTION 00305 - CONSTRUCTION SURVEY WORK

Comply with Section 00305 of the Standard Specifications.

SECTION 00320 - CLEARING AND GRUBBING

Comply with Section 00320 of the Standard Specifications modified as follows:

00320.42 Disposal of Matter - Replace this subsection with the following subsection:

SECTION 00230 – TEMPORARY ROADBED AND SURFACING

Replace this section number and title with the following:

SECTION 00350 - GEOSYNTHETIC INSTALLATION

Comply with Section 00350 of the Standard Specifications.

SECTION 00501 - BRIDGE REMOVAL

Comply with Section 00501 of the Standard Specifications modified as follows:

00501.00 Scope - Replace this subsection, except for the subsection number and title, with the following:
:

This work includes all removal work associated with the approach slab replacement, including but not limited to concrete saw cutting, asphalt pavement saw cutting, wearing surface and approach guard rail.

Add the following subsection:

00501.02 Plans - Plans for the existing Structure are available upon request from the Engineer

SECTION 00503 - BRIDGE DECK COLD PLANE PAVEMENT REMOVAL

Comply with Section 00503 of the Standard Specifications.

SECTION 00530 - STEEL REINFORCEMENT FOR CONCRETE

Comply with Section 00530 of the Standard Specifications modified as follows:

00530.80(a) Lump Sum - Add the following to the end of this subsection:

The estimated quantity for uncoated reinforcement in pounds is:

Structure Number	Grade 60
5379A	157

SECTION 00540 - STRUCTURAL CONCRETE

Comply with Section 00540 of the Standard Specifications modified as follows:

00540.11 Class of Concrete – Add the following paragraph:

Furnish 3/4" class 4,000 concrete.

00540.80(a)(1) Lump Sum - Add the following to the end of this subsection:

The estimated quantity of Class 4,000 concrete is 73 cubic yards.

SECTION 00542 - CONCRETE REPAIR

Section 00542, which is not in the Standard Specifications, is included in this Project by Special Provision.

Description

00542.00 Scope - This Work consists of locating and repairing damage concrete and reinforcement in Structures, and providing mortar or resin buildup over shallow reinforcement.

00542.01 Definitions:

Damaged Concrete - Concrete that is spalled or delaminated due to corroded reinforcement or metal appurtenances such as bearing devices, drains, and conduits; concrete that is debonded from corroded reinforcing bars; concrete with near-surface rock pockets; unsound or delaminated existing patches; and concrete that has been drilled, excavated, or removed during prior maintenance work or during the Work of this Contract.

Hand Patch - Installing hand-troweled repair mortar in concrete cavities up to 0.50 square foot surface area.

Pumped Repair - Installing Pumped Repair mortar in concrete cavities greater than 0.50 square foot surface area.

Saturated Surface Dry Condition - Surface condition where hardened concrete is thoroughly saturated with water, but any free water has been removed from the surface.

Shallow Rebar - Steel reinforcement with 1/2 inch or less of concrete cover.

00542.02 Submittals - Submit the following at least 21 Calendar Days before beginning concrete repair Work according to 00150.37. Within 21 Calendar Days after receipt of submittals, the Engineer will review the submittals and designate them in writing as "approved", "approved as noted", or "returned for correction".

(a) Concrete Repair Mortar - Submit before concrete repair work the following:

- A description of all relevant constituents and properties of the Material. Data published by manufacturer is acceptable unless certifications of the materials characteristics are required by the Specifications.

- For prepackaged products, the manufacturer's certification that the contents include cement and Aggregate and do not include silica fume, fly ash, or any other porosity-reducing admixture. Provide the proportion (by weight) of portland cement to Sand according to the provisions of 00165.35.
- The Specifications subsection with which each repair mortar complies.
- If proposing alternative repair mortar to those specified in 00542.10, test data demonstrating compliance with 00542.10.

For alternate repair mortar submit three 4 by 8-inch cylinders of repair mortar cast in the presence of the Engineer using the proposed mix proportions, admixtures, and mixing and application Equipment, at least 10 Calendar Days before starting concrete repair Work. Cast and cure the cylinders according to AASHTO T 23 or R 39.

Submit records of mix proportions and which mix design was used in each repair location. Maintain and provide records that are complete enough to be able to match repaired areas with the mix records.

(b) Concrete Repair Procedure - Prior to beginning Work under this Section, submit a concrete repair procedure that includes the following:

- Manufacturer's specifications and operating instructions for all Equipment.
- Details of each step to accomplish the Work.
- Steps to regularly maintain quality control of all newly applied mortar.
- Plan to maintain records of verification of proportion (by weight) of Sand to portland cement and quantity of any additives for all mortar mixed on-site.
- Plan to maintain records identifying the mix design for each repaired area.

(c) Repair Damaged Reinforcing Bars - Submit a plan for accomplishing reinforcing bar repair that includes the following:

- Welder certifications according to AWS D1.4
- Pre-approved welding procedure specification (WPS) or procedure qualification record / welding procedure specification (PQR/WPS)
- Detailed procedure for electrode control measures
- Detailed procedure for achieving, maintaining, and monitoring pre-heat and inter-pass temperatures.

Materials

00542.10 Patch Material:

(a) Pumped Repair Mortar - Provide one of the following mortars with the required admixture as specified in 00542.15.

- Pumped BASF MasterEmaco S 440MC (formerly BASF LA Repair Mortar).

Alternative repair mortar conforming to the following:

- Non-polymer flowable micro-concrete
- Suitable for pumping
- At least 4,000 psi 28-Day compressive strength
- "Low" potential for cracking and no cracking in 28 Calendar Days when tested according to ASTM C1581, including Appendix

- Electrical resistivity in the range of 2,000 to 20,000 ohm-cm

Submit proposed alternative Materials for approval according to 00542.02.

(b) Hand Patch Material - Provide Hand Patching Materials according to 02015.20 or 02015.30. Observe QPL remarks and follow the manufacturer's recommendation for application.

00542.11 Non-conductive Resin - Non-conductive resin is acceptable for filling cavities of 0.05 square feet or less and for resin buildup over Shallow Rebar in sound concrete. Furnish a non-conductive resin from the category "Resin Bonded Anchor System" of the QPL, mixed at a 1:1 ratio with clean abrasive blasting Material.

00542.12 Abrasive - Furnish clean, dry, non-metallic grit abrasive Material with no mineral constituents that break down and remain on the surface in visible quantity. Furnish hard angular shaped abrasives from 16 - 30 mesh.

00542.13 Water - Furnish water according to Section 02020.

00542.14 Reinforcement and Added Steel - Furnish ASTM A706 Grade 60 uncoated reinforcing bars conforming to 02510.10. Furnish uncoated, ungalvanized welded wire fabric conforming to 02510.40. Other metal embedded in the mortar to facilitate concrete replacement shall be uncoated and ungalvanized.

00542.15 Admixtures - Use only admixtures approved by the Engineer.

If using admixtures to reduce the water-cement ratio, or to retard or accelerate the development of strength, use only admixtures compatible with the mortar and at the rate specified by the manufacturer.

00542.17 Mechanical Anchors - Furnish the following mechanical screw anchors:

- Dewalt Ultracon + (Hex washer head)
- Hilti Kwik Con II + (Hex washer head)
- ITW Red Head Tapcon (Hex washer head)

Construction

00542.40 Work Access, Containment, and Disposal - Provide Work access and debris containment according to Section 00253.

Dispose of waste according to 00290.20.

00542.41 Locating and Marking - Locate and mark the following:

- All concrete having visible spalling or delamination due to corrosion of reinforcement or metal appurtenances such as bearing devices, drains, and conduits. Include within the repair boundaries all Damaged Concrete at the edges of spalls.
- All visible unsound patches of Material.
- All concrete that is visibly loose, or that becomes dislodged or loosened when struck with a 16-ounce masonry hammer or by other approved technique.

Verify the presence of steel with a metal detector.

The Contractor is advised that concrete containing Aggregate larger than 2 inches can cause false readings. If no steel is present, readings in such areas should be disregarded.

Investigate all spots of rust visually and with a metal detector to determine if a metallic object is present. If a metal object is present mark the location.

In areas where spalling or delamination is not visually detectable, but is indicated by sounding, use a rebar locator and mark reinforcing bars and their minimum concrete cover. Remove a 4 inch wide (perpendicular to the bar) exploration area centered over the bar. The exploration boundary area shall have an initial length of 8 inches if splitting cracks are present directly over and parallel to reinforcing bar and suggest a potential for corrosion; remove as much splitting crack length as needed until clean bar is exposed. If rust scale or pitting is found on the exposed reinforcing bar, or if the remaining concrete is separated from the bar, mark the Damaged Concrete area for removal.

Do not use internal angles less than 45 degrees in defining the repair boundaries. Make all repairs at least 2 inches wide in each direction. Within these restrictions, mark boundaries such that repair areas can be efficiently sawed and excavated.

Determine and mark the location and extent of each repair excavation. Do not begin concrete removal until location and extent have been verified by the Engineer.

The Engineer will perform verification surveys of selected sections of the Work and determine the final quantity of repairs. Do not begin excavation until the Engineer has completed the verification surveys.

00542.42 Concrete Removal - Sawcut the boundaries of concrete to be removed, to a depth just missing the reinforcing bars with less than 1/2 inch concrete cover or to a minimum of 1/2 inch, whichever is less. Sawcuts shall not overrun at the corners of the marked boundaries. Sawcutting is not required if the Contractor can consistently provide, by another technique, a minimum 1/2 inch deep excavation surface that is uniformly perpendicular to the original concrete surface along the marked boundary.

Remove concrete within the marked boundaries with high-pressure waterjet blasting Equipment, pneumatic hammers, chipping guns, manual picks and chisels, or other Equipment approved by the Engineer. Do not use pneumatic hammers heavier than a nominal 15-pound class. Remove concrete in such a way that removal of sound concrete beyond established boundaries is kept to a minimum. When working around reinforcing bars, avoid loosening the reinforcement or fracturing the concrete around it beyond the repair area.

Remove all Damaged Concrete within the marked boundaries to the depth of sound concrete. In areas where the reinforcing bar lacks bond with the existing concrete, continue to excavate to 1/2 inch beyond the depth of the reinforcing bar. In areas where it is difficult to determine if the reinforcing bar lacks bond with the existing concrete do not excavate beyond the depth of the reinforcing bar if a 4 inch wide exploration area shows the reinforcing bar to be free of rust scale or pitting and the reinforcing bar is not separated from the remaining concrete.

The depth of concrete damage, due to corrosion, in any member is not expected to be substantially greater than 1/2 inch beyond the depth of the reinforcing bar.

Do not remove sound concrete over Shallow Rebar.

00542.43 Repair Damaged Reinforcement Bars - Repair reinforcing bar showing 50 percent or greater section loss according to the following:

- Remove all Damaged Concrete
- Remove sound concrete as necessary so that there is a minimum of 3/4 inch clearance between the concrete and splice bars over entire length of repair
- Blast-clean all exposed reinforcing steel and concrete

- If feasible, place splice bars so as to allow 1/2 inch of concrete cover without raising the concrete surface
- Perform all weld splicing according to ANSI/AWS D1.4, "Structural Welding Code - Reinforcing Steel". Since the carbon content of existing reinforcement is unknown, assume that preheating is required under ANSI/AWS D1.4. Limit the temperature of reinforcing bar at concrete interface to 500 °F or less, verified using an infrared thermometer.
- Remove any additional concrete that cracks or spalls during welding
- Keep the existing spliced bars in place and avoid gouging and loosening reinforcing bar or damaging sound concrete outside of splice areas
- Keep the splice bar in the proper position during placement of concrete cover

Repair round bars with new splice bars the same size as the original bars. Repair square bars with new round splice bars with a diameter equal to the thickness of the square bars.

00542.44 Shallow Rebar in Sound Concrete - If Shallow Rebar exists in sound concrete and passes the sounding test, no concrete repair is necessary.

00542.45 Shallow Rebar in Damaged Concrete - Where directed, treat prefabricated mesh and other closely spaced shallow metals in the same manner as Shallow Rebar in Damaged Concrete. Place additional cover Material over Shallow Rebar in Damaged Concrete according to the following:

(a) Mortar Buildup over Shallow Rebar - Place additional mortar as needed to achieve at least 1/2 inch of cover over Shallow Rebar repairs.

(b) Resin Buildup over Shallow Rebar - In areas where additional buildup is not feasible, or where buildup would detract from the aesthetic appearance of the Structure, provide additional cover using non-conductive resin conforming to 00542.12. Apply the resin in 2 inch wide strips over the Shallow Rebar.

00542.46 Surface Preparation - Abrasive-blast or water-blast all concrete surfaces that are to receive additional mortar cover or patches, to remove all debris, loose concrete, concrete pulverized during removal, scale, and loose rust. Blast exposed reinforcing bars according to SSPC Standard SP6 "Commercial Blast Cleaning" or equivalent procedure. Do not allow prepared surfaces to remain exposed more than 36 hours before placing repair mortar.

Prepare surfaces that are to receive additional mortar or resin cover with a surface profile according to International Concrete Repair Institute (ICRI) Guideline 310.2R-2013 surface profile CSP 6 (1/8 inch surface profile).

00542.48 Patch Installation:

(a) Forms - Provide smooth-surfaced form Materials. Provide adequate support and bracing of forms to prevent deflection under the weight and pressure of new mortar, and to prevent vibration damage to mortar during setting and curing. Leave forms in place for a minimum of 3 Days after mortar placement.

Provide watertight form Materials and a watertight form system to prevent loss of water during presoaking and repair mortar placement. Incorporate enough pumping ports to ensure consistent placement and enough vent holes or vent tubes to allow air to escape extreme surface irregularities and remote cavities. Limit port spacing to prevent mortar segregation.

Provide forms that can readily be removed and reinstalled for presoaking, flushing, blowdown, and for verification of Surface Saturated Dry Condition.

(b) Pre-soak - Saturate the substrate concrete for at least 24 hours before application of repair mortar. Use either a watertight form kept full of water; saturated burlap or foam Material packed inside the forms,

in contact with the entire existing concrete surface, and soaked frequently; or any other method demonstrated to produce Saturated Surface Dry Condition.

After the substrate has been saturated, temporarily remove the form and, immediately before placing mortar, remove all dust, dirt, and other debris by flushing the surface with water pressurized to at least 60 psi, followed by blasting with clean compressed air to remove excess water. Provide a damp surface free of standing water and free of contaminants when applying repair mortar. Light surface rust that appears during the pre-soak stage does not need to be removed. When the concrete surface is in Saturated Surface Dry Condition and free of contaminants, and reinforcement is clean or has only light surface rust, immediately reinstall the forms and place mortar.

(c) Mixing - When a package of prepackaged repair mortar is opened, mix the entire contents of the package.

Mix repair mortar according to the manufacturer's instructions including, but not limited to, mixing speed, mixing time, and mixing Equipment.

(d) Placing Repair Mortar - Pump repair mortar and achieve thorough and uniform hydration without the use of excess water.

Do not place mortar before acceptance of Saturated Surface Dry Condition by the Engineer.

Do not place mortar during freezing weather or if temperatures are likely to drop below freezing during the cure period for the mortar. Do not apply mortar to frosted surfaces. Follow the manufacturer's recommendations regarding temperature and weather conditions during mortar placement.

Provide adequate pumping pressure into each port to ensure mortar completely fills the cavity and mortar is observed at all vents. Vibrate only if approved by the Engineer in advance.

(e) Adjacent Surface Protection - Protect surfaces outside the repair area from mortar overshoot and drip. Remove the excess Material from these areas after the application has been completed.

(f) Mix Records - Record proportion (by weight) of Sand to portland cement and the quantity of any additives for all mortar mixed on-site at the start of each mortar placement operation and every time proportions or additives are changed. Keep a record of which mix is used for each repair area.

00542.49 Curing - Take care to avoid cracks in the new mortar due to excessive surface evaporation. Continuously cure all newly applied mortar according to the manufacturer's recommended curing schedule.

00542.50 Finish - Finish all exposed surfaces and surface defects to straight and true lines as shown. Provide a Class 2 surface finish according to 00540.53 on all exposed surfaces and a general surface finish according to 00540.53 on all other surfaces, with no coating on any surface unless otherwise directed.

00542.51 Delamination Survey - After mortar repair Work has cured, conduct a delamination survey of all repaired areas with the Engineer according to the following:

- Sound all repaired areas with a 1-pound masonry hammer or by other approved technique.
- Mark boundaries of all delaminations in the repaired areas.
- Identify the marked delamination that needs Patching.

Make repairs when delamination repair areas do not meet the acceptance criteria of 00542.52.

Upon completion of the survey, prepare and sign a survey report that identifies all areas to be patched. Submit the survey report for review and acceptance by the Engineer. Repair the identified areas in a manner satisfactory to the Engineer.

After Patching the identified areas, repeat the delamination survey. Repeat the delamination survey and repair procedure until all areas of unsound concrete have been repaired and accepted.

Following the bond strength test of cores according to 00542.52(b), the Engineer will visually inspect the cores for sand pockets and voids. If sand pockets or voids are found, the area from which the core was taken will be marked by the Engineer to aid in the Contractor's delamination survey.

00542.52 Production Quality Control Testing - Acceptance of Work performed under this Section will be according to the following tests:

(a) Compressive Test - For each 100 square feet of mortar placed on the Bridge, but not less than once per production Work shift, cast at the same time and under the same conditions three 4 by 8 inch cylinders for testing. Cast the cylinders in single-use plastic molds. Cast and cure strength specimens according to AASHTO T 23 or AASHTO R 39. Test the cylinders for compressive strength according to AASHTO T 22 following a 28-Day cure.

The minimum acceptable 28-Day compressive strength of cylinders is 4,000 psi.

(b) Pull-off Test - Following a 7-Day cure of the mortar patch, core one test specimen from each 100 square feet of newly applied mortar placed on the Bridge surface, at locations designated by the Engineer. Locate cores to avoid damaging reinforcing bar. Core approximately 1/2 inch into the original concrete. Do not break cores free before testing. Perform pull-off tests of the cores in the presence of the Engineer.

Measure the core bond strength according to ASTM C1583. Use pull-test dollies with the same diameter as the cores. Conduct the test until failure.

The minimum acceptable bond strength between the new and original concrete is 175 psi.

If the test shows failure at less than 100 psi, retest after checking Equipment and verifying core angle is perpendicular to the surface. If the patch area is too small for another test, use alternate patch location. If the retest shows failure at less than 100 psi, then a pull-off test may be performed on in situ concrete substrate in the vicinity of the patch area to determine the existing concrete substrate tensile strength. If in situ concrete substrate fails at 100 psi or less, the Engineer will re-evaluate the original concrete substrate.

Individually seal the cores taken from the Bridge in plastic bags and tag them for identification.

If any quality control test fails to meet the minimum requirements, any or all repair mortar represented by that test may be rejected by the Engineer.

00542.53 Deficient Repair Mortar - Repair, at no additional cost to the Agency, all mortar patches that show an alligator cracking in the surface or uncontrolled cracks visible without magnification. Perform additional testing as directed to determine the extent of deficient mortar in the production test area represented. If additional patches are found to be deficient, repair the production test area represented according to the Specifications at no additional cost to the Agency. Repairs include, but are not limited to, removal and replacement of patches found to be substandard.

Repair small crevices a maximum of 0.4 inch deep and 0.1 inch wide at the edge of a patch with non-conductive resin mixed with abrasive blasting Material or other approved patch Material, at no additional

cost to the Agency. Cut out pockets or other defects and replace with new repair mortar according to this Section.

Measurement

00542.80 Measurement - The quantities of concrete repair will be measured on the area basis. Measurement will be the outside measurement of the area of Work marked for concrete repair, not including areas marked for mortar buildup over Shallow Rebar, after locating concrete repair and before concrete removal Work. The area of Work marked for concrete repair does not include initially sound concrete that is damaged or micro-fractured by the Contractor's operations.

Payment

00542.90 Payment - The accepted quantities of work performed under this section will be paid for at the contract unit price, per unit of measurement for the following item:

Pay Item	Unit of Measurement
(c) Concrete Repair	Square Yard

Payment will be payment in full for furnishing and placing all Materials, and for furnishing all Equipment, labor, and Incidentals necessary to complete the Work as specified.

No separate or additional payment will be made for:

- Providing mix proportion or mix design records.
- Locating concrete repair area

No payment will be made for repair of initially sound concrete that is micro-fractured or otherwise damaged by the Contractor's operations.

SECTION 00545 - REINFORCED CONCRETE BRIDGE APPROACH SLABS

Comply with Section 00545 of the Standard Specifications modified as follows:

00545.00 Scope - Replace this subsection, except for the subsection number and title, with the following:

This Work consists of constructing reinforced portland cement concrete bridge approach slabs and sleeper slabs at the locations shown or as directed, and in close conformity to the lines, grades and dimensions shown or established.

Add the following subsection:

00545.02 Definitions:

Sleeper Slab - An individual concrete element at the roadway end of an approach slab that provides foundational support, pavement structure transitioning, and accommodations for expansion joint installation.

00545.10 Materials - Add the following bullet to the end of this subsection:

- Foundation concrete, class 4000

Add the following subsection:

00545.48 Sleeper Slabs - Construct to the dimensions and details shown.

Vibrate concrete in sleeper slabs until it is completely consolidated, and the excavations are completely filled. Construct sleeper slabs at least 24 hours before paving operations, unless otherwise allowed. Cure the surfaces of sleeper slab concrete according to 00755.53.

00545.80 Measurement - Add the following paragraph to the end of this subsection:

No measurement of quantities will be made for the following:

Class 4000 concrete, the estimated quantity is 9.3 cubic yards

6 Mil polyethylene bond breaker, the estimated quantity 87 square yards.

00545.90 Payment – In the last paragraph add the following bullets to the bullet list:

- Sleeper Slab
- 6 Mil polyethylene bond breaker

SECTION 00585 - EXPANSION JOINTS

Comply with Section 00585 of the Standard Specifications modified as follows:

00585.43 Armored Corners – Replace the title of this subsection with “**Armored Corners and Edgebeam**”

Replace the paragraph that begins "Provide joint corner armoring ..." with the following paragraph:

Provide joint corner armoring or edgebeam with anchors as shown or specified, and according to the following:

00585.43(a) Tolerance - Replace the paragraph that begins "Install armored corners that are straight..." with the following paragraph:

Install armored corners or edgebeams that are straight and do not deviate from a true line by more than 1/4 inch horizontal and 1/8 inch vertical over the length of the joint, nor more than 1/16 inch in either direction from a 12-foot straightedge.

00585.43(b) Installation - Replace the paragraph that begins "Furnish armored corners in the longest ..." with the following paragraph:

Furnish armored corners or edgebeams in the longest practical length as controlled by transportation and installation.

Replace the paragraph that begins "For new construction, install armored ..." with the following paragraph:

For new construction, install armored corners or edgebeams with anchors in preformed blockouts at least 14 Days after the deck is cast with the joint opening as shown. Support the armored corners or edgebeams securely in position before placing concrete in the joint blockout. Install the preformed seal at least 7 Days after the concrete blockouts have been cast and after the deck concrete reaches 3,000 psi.

00585.47 Strip Seal - Replace the bullet that begins "Use steel retainers acting ..." with the following bullet:

- Use steel retainers acting as the edgebeams according to 00585.43.

00585.80 Measurement - Add the following to the end of the subsection:

The estimated quantities of joints are:

Structure	Joint Type	(Foot)
Bridge No. 5379A	Asphaltic Plug Joint	35
Bridge No. 5379A	Poured Joint Seal	35

SECTION 00641 - AGGREGATE SUBBASE, BASE, AND SHOULDERS

Comply with Section 00641 of the Standard Specifications modified as follows:

00641.10(a) Base and Shoulder Aggregate - In the paragraph that begins "Aggregate for bases...", add the following sentence after the first sentence:

Base Aggregate shall be either 1" – 0 or ¾" – 0 size as the contractor elects.

SECTION 00730 - EMULSIFIED ASPHALT TACK COAT

Comply with Section 00730 of the Standard Specifications modified as follows:

00730.11 Emulsified Asphalt – Delete the last paragraph

00730.80 Measurement - Replace this subsection, except for the subsection number and title, with the following:

No measurement of quantities will be made for Emulsified Asphalt tack coat.

00730.90 Payment - Replace this subsection, except for the subsection number and title, with the following:

No separate or additional payment will be made for Emulsified Asphalt tack coat.

SECTION 00740 - COMMERCIAL ASPHALT CONCRETE PAVEMENT (CACP)

Comply with Section 00740 of the Standard Specifications modified as follows:

00740.10 Materials – Replace the last sentence with the following"

Mix designs containing recycled asphalt shingles (RAS) will be rejected. Provide a copy of the JMF to the Engineer before paving.

00740.12 Asphalt Cement – In the first sentence delete PG 62-22.

SECTION 00810 - METAL GUARDRAIL

Comply with Section 00810 of the Standard Specifications modified as follows:

00810.00 Scope - Add the following paragraph to the end of this subsection:

This Work includes constructing grading at guardrail terminals at locations shown.

00810.90 Payment – At the end of this subsection add the following paragraph:

No separate or additional payment will be made for constructing grading at guardrail terminals.

SECTION 01030 - SEEDING

Comply with Section 01030 of the Standard Specifications modified as follows:

01030.14 Seed - Replace this subsection, except for the subsection number and title, with the following:

Furnish a commercially available seed blend of Ryegrass and Fescue, suitable for full/partial shade, and is 99% weed free.

Apply seed at the recommend rate.

01030.14 Fertilizer – After the first sentence add the following:

Do not apply fertilizer.

01030.45 Soil Testing - Replace this subsection, except for the subsection number and title, with the following:

When the Contract Schedule of Items include items for “soil testing”, test soil according to 01040.13.

01030.60 General - Add the following sentence after the last bullet:

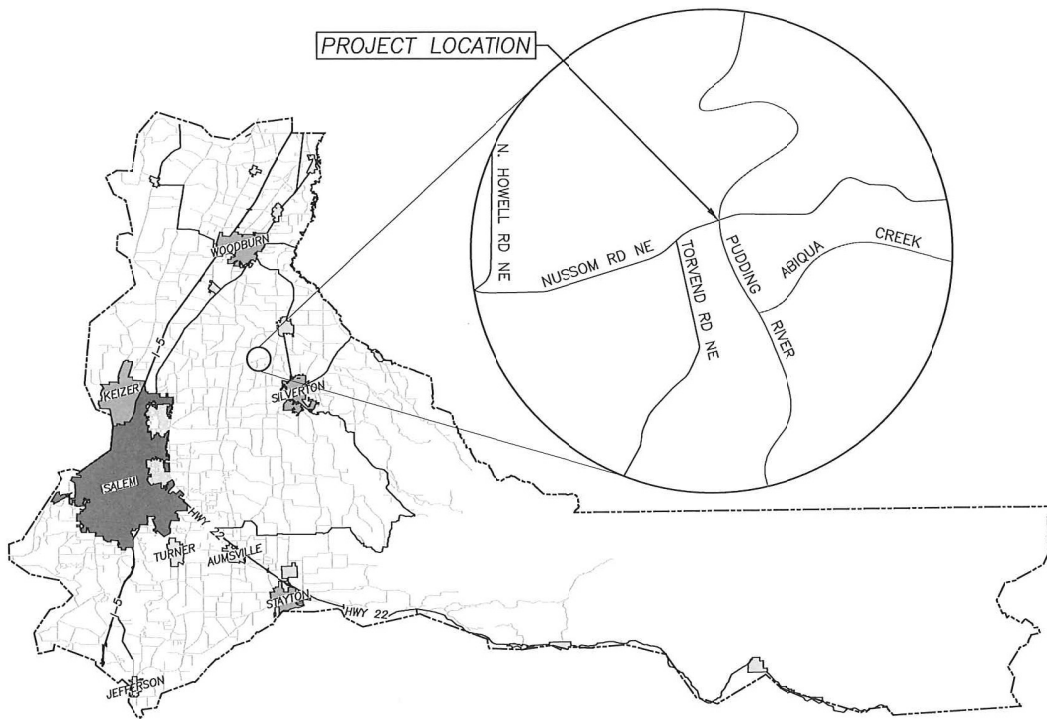
Native Plant Seeding - The minimum living plant coverage for native plant seeding is 90% percent of ground surface.

MARION COUNTY DEPARTMENT OF PUBLIC WORKS

PLANS FOR PROPOSED PROJECT
GRADING, STRUCTURES, AND PAVING

NUSOM RD: PUDDING RIVER BRIDGE APPROACH

MARION COUNTY, OREGON, MARCH 2025



PROJECT LOCATION

SHEET INDEX	
NO.	DESCRIPTION
G-01	COVER SHEET
B-01	TYPICAL SECTION
C-01	GENERAL CONSTRUCTION
J-01	STRUCTURE DETAILS
TC-01	DETOUR PLAN
TC-02	DETOUR PLAN

ODOT STANDARD DRAWING INDEX	
RD404	MIDWEST GUARDRAIL SYSTEM STEEL POST AND BLOCK
RD406	PLACEMENT OF GUARDRAILS ON SLOPES
RD407	MIDWEST GUARDRAIL SYSTEM (W-BEAM)
RD409	THREE BEAM GUARDRAIL
RD410	THREE BEAM GUARDRAIL TRANSITION
RD416	MIDWEST GUARDRAIL SYSTEM STANDARD HARDWARE
RD417	MIDWEST GUARDRAIL SYSTEM END SECTIONS
RD419	MIDWEST GUARDRAIL SYSTEMS GRADING FOR TERMINALS
RD420	MIDWEST GUARDRAIL SYSTEM NON-FLARED ENERGY-ABSORBING TERMINAL
RD442	MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS AT BRIDGE ENDS
RD1010	INLET PROTECTION TYPE 2, 3, 6, 7, 10 AND 11
RD1030	SEDIMENT BARRIER TYPE 2, 3, AND 4
RD1040	SEDIMENT FENCE
BR157	ASPHALTIC PLUG JOINT SEAL
BR165	BRIDGE APPROACH SLAB
BR203	TRANSITION TYPE "F" CONCRETE RAIL TO GUARDRAIL
TM855	2-LANE, 2-WAY ROADWAYS
TM870	BRIDGE CONSTRUCTION

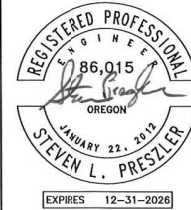
ATTENTION:
OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY CENTER IS (503) 232-1987)

THESE PLANS WERE DEVELOPED USING AASHTO DESIGN STANDARDS. EXCEPTIONS TO THESE STANDARDS, IF ANY, HAVE BEEN SUBMITTED AND APPROVED BY THE COUNTY ENGINEER.

APPROVING AUTHORITY:

Lani Padtke 4/1/2025
SIGNATURE AND DATE
Lani Padtke, County Engineer
PRINT NAME AND TITLE

FEDERAL HIGHWAY
ADMINISTRATION
OREGON DIVISION



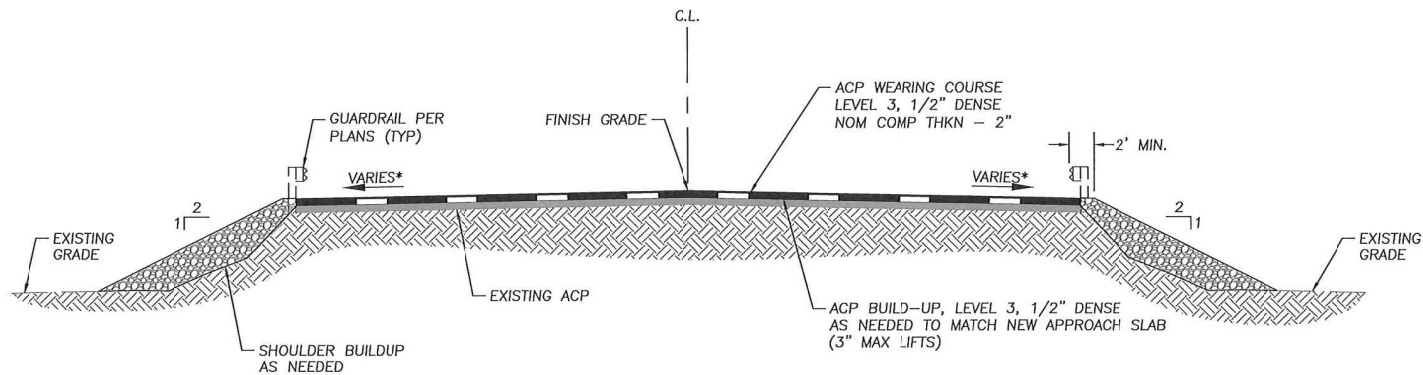
MARION COUNTY NUSOM RD: PUDDING RIVER BRIDGE APPROACH DEPARTMENT OF PUBLIC WORKS

PROJECT NO.: 106299
ECMS NO.: 2025-251
FED. PROJ. NO.: N/A
KEY NO.: N/A
ROAD NO.: 634-020
HORIZ. DATUM: OCRS SALEM
VERT. DATUM: NAVD88
DESIGNED BY: S. PRESZLER
DRAWN BY: S. PRESZLER

TITLE:
COVER SHEET

SHEET:
G-01

FILE: G:\ENGINEERING\PROJECTS\CENTRAL\PROJECTS\BRIDGE\379A NUSOM RD\CAD\DRAWING\ASB\A DESIGN.DWG PLOTTED: 2025/03/12 2:39 PM

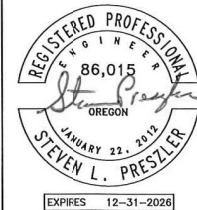


* - MATCH EXISTING CROSS SLOPES AND PAVEMENT WIDTH

① TYPICAL APPROACH ROAD SECTION 15+44 - 17+50
SCALE: 1" = 10'



FEDERAL HIGHWAY
ADMINISTRATION
OREGON DIVISION



MARION COUNTY

NUSOM RD: PUDDING RIVER BRIDGE
APPROACH

DEPARTMENT OF PUBLIC WORKS

PROJECT NO.:	106299
ECMS NO.:	2025-251
FED. PROJ. NO.:	N/A
KEY NO.:	N/A
SITE NO.:	634-020
HORIZ. DATUM:	OCRS SALEM
VERT. DATUM:	NAVD83
DESIGNED BY:	S. PRETZLER
DRAWN BY:	S. PRETZLER

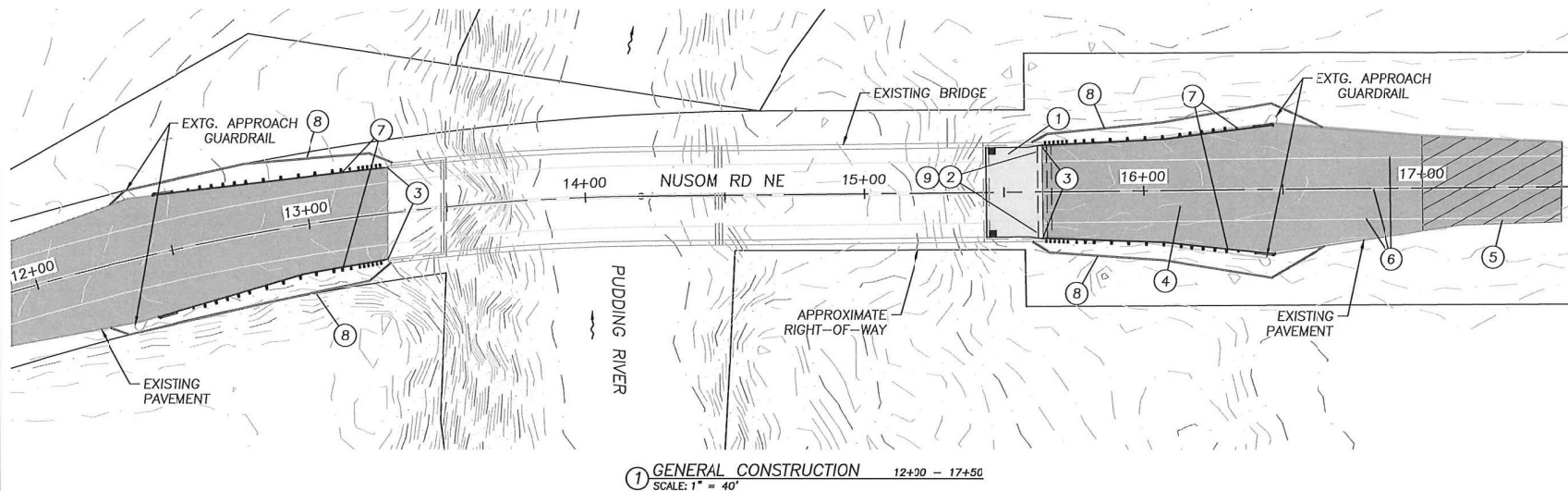
TITLE:

TYPICAL
SECTION

SHEET:

B-01

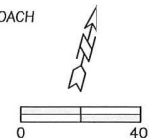
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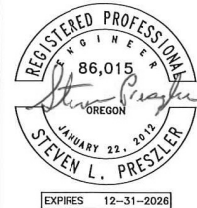
1 GENERAL CONSTRUCTION 12+00 - 17+50
SCALE: 1" = 40'

CONSTRUCTION KEYNOTES

- 1 REMOVE EXISTING APPROACH SLAB AND CONSTRUCT CONSTRUCT BRIDGE APPROACH SLAB $\frac{1}{2}$ AT A TIME - 72 SQ. YDS. TOTAL (SEE STD DWG RD165 AND SHEET J01)
- 2 PROTECT EXISTING INLETS AND SUBSURFACE DRAINAGE
- 3 PROTECT EXISTING BARRIER. PATCH EXISTING BARRIER INDENTATIONS WITH CONCRETE REPAIR MORTAR
- 4 PAVING LIMITS STATION 15+44 TO 17+50 (SEE TYPICAL SECTION SHEET B01)
- 5 0-2" CPPR STA 17+00 TO 17+50
- 6 RESTRIPIING BY COUNTY
- 7 REMOVE EXISTING APPROACH GUARDRAIL. INSTALL GUARDRAIL TRANSITION - 4 EA. INSTALL MIDWEST G.R. SYSTEM W-BEAM - 50 FT*. INSTALL GUARDRAIL TERMINAL MFLEAT - 4 EA (SEE STD DWGS BR203, RD402, RD404, RD407, RD409, RD410, RD421, RD442 AND RD450)
- 8 INSTALL SEDIMENT BARRIER TYPE 3 - 440 FT (SEE STD DWG RD1030)
- 9 INSTALL INLET PROTECTION TYPE 3 - 2 EA (SEE STD DWG RD1010)
- 10 FOLLOW STD. DWGS. TM855 AND TM870 FOR TRAFFIC CONTROL DURING CONSTRUCTION.
* LENGTH NOTED IS TOTAL FOR FOUR APPROACH GUARDRAIL LOCATIONS



FEDERAL HIGHWAY
ADMINISTRATION
OREGON DIVISION



MARION COUNTY

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DEPARTMENT OF PUBLIC WORKS

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ECMS NO.:	2025-251
FED. PROJ. NO.:	N/A
KEY NO.:	N/A
SITE NO.:	634-020
HORIZ. DATUM:	OGRS SALEM
VERT. DATUM:	NAVD88
DESIGNED BY:	S. PRESZLER
DRAWN BY:	L. MURPHY

TITLE:
**GENERAL
CONSTRUCTION**

SHEET:
C-01

GENERAL NOTES

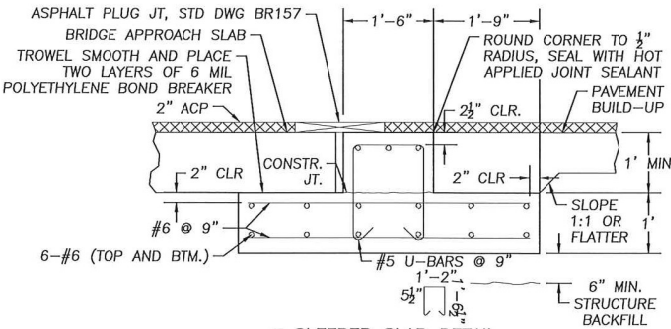
1. PROVIDE ALL MATERIALS AND PERFORM ALL WORK ACCORDING TO THE 2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
2. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO BEGINNING WORK.
3. BRIDGE REHABILITATION ELEMENTS ARE DESIGNED IN ACCORDANCE WITH THE ASHTO LRFD BRIDGE DESIGN SPECIFICATIONS (9TH EDITION, 2020).
4. PROVIDE ALL REINFORCING STEEL ACCORDING TO ASTM SPECIFICATION A706, OR ASHTO 31 (ASTM A615) GRADE 60. PROVIDE FIELD BENT STIRRUPS ACCORDING TO ASTM SPECIFICATION A706. USE THE FOLLOWING SPLICE LENGTHS (UNLESS SHOWN OTHERWISE):

REINFORCING SPLICE LENGTHS (CLASS B) GRADE 60 F'C=4.0KSI											
BAR SIZE	#3	#4	#5	#6	#7	#8	#9	#10	#11	#14	#18
UNCOATED	1'-4"	1'-7"	2'-0"	2'-5"	2'-9"	3'-2"	3'-7"	4'-0"	4'-5"	NOT PERMITTED	

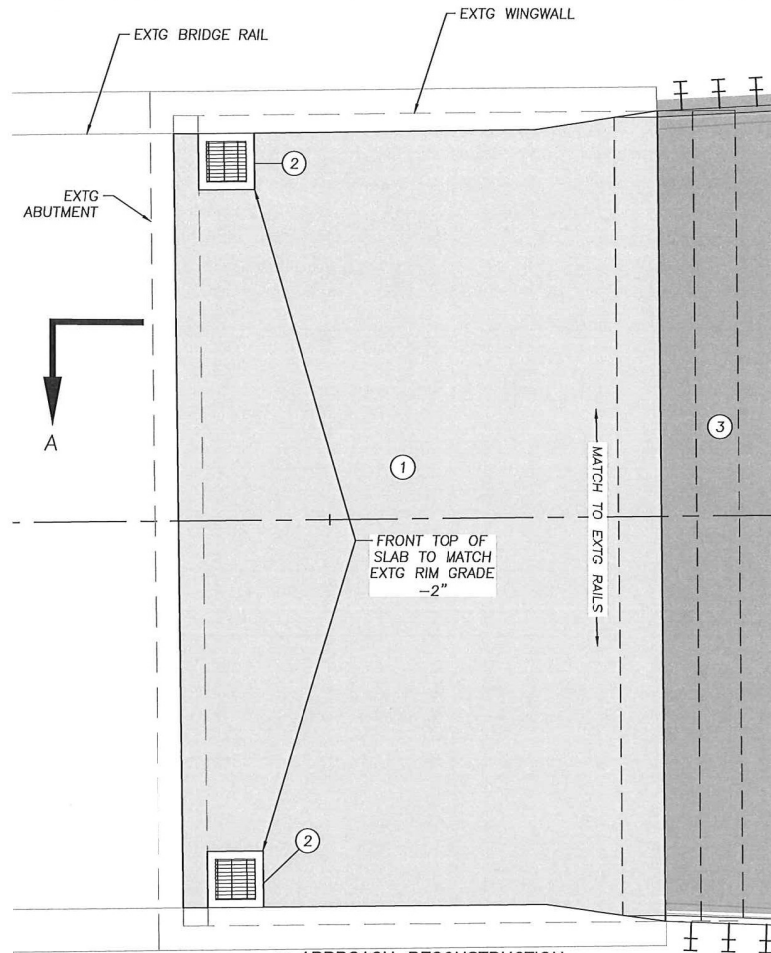
5. INCREASE ALL SPLICE LENGTHS 30% FOR HORIZONTAL OR NEARLY HORIZONTAL BARS SO PLACED THAT MORE THAN 12" OF FRESH CONCRETE IS CAST BELOW THE BAR.
6. SPLICE REINFORCING STEEL AT ALTERNATE BARS, STAGGERED AT LEAST ONE SPLICE LENGTH OR AS FAR AS POSSIBLE, UNLESS SHOWN OTHERWISE.
7. PLACE BARS 2" CLEAR OF THE NEAREST FACE OF CONCRETE (UNLESS SHOWN OTHERWISE). THE TOP BENDS OF STIRRUPS EXTENDING FROM PRESTRESSED PRECAST UNITS MAY BE SHOP OR FIELD BENT (UNLESS SHOWN OTHERWISE).
8. ALL REINFORCING SPACING IS INTENDED TO BE MAXIMUM UNLESS SHOWN OTHERWISE.
9. PROVIDE A 3/4" CHAMFER ON ALL EXPOSED CONCRETE EDGES UNLESS NOTED OTHERWISE.
10. PROVIDE CLASS 4000 - 1-1/2", 1", OR 3/4" CONCRETE FOR ALL CONCRETE.
11. DRILL AND EPOXY DEPTHS PER STD SPEC 00535.8.
12. ADJUST SPACING AROUND EXTG REBAR MIN 2" SEPARATION.

STRUCTURE KEYNOTES

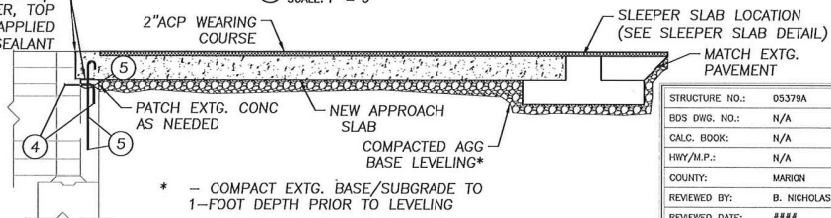
- 1 DEMO EXISTING APPROACH SLAB, REMOVE UNSUITABLE MATERIAL AND RECOMPACT REMAINING BACKFILL. BUILD-UP WITH GRANULAR STRUCTURE BACKFILL. CONSTRUCT 20'-3" BRIDGE APPROACH SLAB - 72 SQ. YDS., TOP OF SLAB MATCH GRADE AT 2 IN BELOW TOP OF EXISTING CATCH BASINS AND GRADE TO EXTG. F-RAIL (SEE STD DWG RD165 AND DETAILS THIS SHEET)
- 2 3/4" PREFORMED EXPANSION JOINT FILLER
- 3 APPROACH PAVING (SEE GENERAL CONST SHEET)
- 4 DRILL AND EPOXY NO. 6 BARS INTO EXTG CONC WHERE EXTG NO. 6 HOOPS ARE DAMAGED OR CUT BY DEMOLITION. MAINTAIN APPROXIMATE SPACING
- 5 REMOVE EXTG CONCRETE AND LAP SPLICE NEW NO. 5 BARS WHERE EXTG. NO. 5 TRANSVERSE BARS ARE DAMAGED BY DEMOLITION
- 6 SAWCUT EXTG APPROACH CONNECTION FLUSH WITH TOP OF EXTG CONCRETE DRILL AND EPOXY STD APPROACH CONNECTION INTO EXTG CONCRETE OFFSET FROM EXTG BARS MIN 2"



3 SLEEPER SLAB DETAIL
SCALE: NTS



1 APPROACH RECONSTRUCTION
SCALE: 1" = 5'



2 APPROACH SECTION A-A
SCALE: 1" = 5'

* - COMPACT EXTG. BASE/SUBGRADE TO 1-FOOT DEPTH PRIOR TO LEVELING

FEDERAL HIGHWAY
ADMINISTRATION
OREGON DIVISION



NUSOM RD: PUDDING RIVER BRIDGE
APPROACH

PROJECT NO.: 106299
ECMS NO.: 2025-251
FED. PROJ. NO.: N/A
KEY NO.: N/A
ROAD NO.: 634-020
HORIZ. DATUM: OCRS SALEM
VERT. DATUM: NAVD83
DESIGNED BY: S. PRESZLER
DRAWN BY: L. MURPHY

TITLE:
STRUCTURE
DETAILS

SHEET:
J-01



OREGON



NUSOM RD: PUDDING RIVER BRIDGE APPROACH

DEPARTMENT OF PUBLIC WORKS

PROJECT NO.:	106299
ECMS NO.:	2025-251
FED. PROJ. NO.:	N/A
KEY NO.:	N/A
SITE NO.:	634-020
HORIZ. DATUM	OCRS SALEM
VERT. DATUM:	NAVD88
DESIGNED BY:	C. HANSON
DRAWN BY:	C. HANSON
TITLE:	

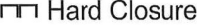
DETOUR PLAN


SHEET: TC-01


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Legend

 Hard Closure

 Sign

 Soft Closure

 TSS

FEDERAL HIGHWAY
ADMINISTRATION
OREGON DIVISION



MARION COUNTY

**NUSOM RD: PUDDING RIVER BRIDGE
APPROACH**

DEPARTMENT OF PUBLIC WORKS

PROJECT NO.:	106299
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KEY NO.:	N/A
SITE NO.:	634-020
HORIZ. DATUM:	OGRS SALEM
VERT. DATUM:	NAVD88
DESIGNED BY:	C. HANSON
DRAWN BY:	C. HANSON

TITLE:
DETOUR PLAN

SHEET:
TC-02