Contract Ro	eview S	Shee	t	Public	Improvemen	t Agreem	ents P	W-6571	1-25
Title: Construction o	f Asphalt C	oncrete	Resurfacii	ng of Var	ious Mario	n Cou	nty Roads		
Contractor's Name:	North San	tiam Pa	ving Co.						
Department: Public V	Vorks Depai	rtment			Conta	ct: Al	icia Jones		
Analyst: Kathleen G	eorge				Phone	#: <u>-4</u> ;	388		
Term - Date From:	Execution				Expir	es: Se	ptember 30, 20	026	
Original Contract Amo	ount: \$	3,9	002,349.68	Prev	rious Amen	dments	Amount:	\$	-
Current Amendment:	\$		<u>-</u> N	ew Contr	act Total:	\$	3,902,349.6	Amo	d% <u>0%</u>
Outgoing Funds	Federal	Funds	Reins	tatement	Retro	active	Amend	ment greate	r than 25%
Source Selection Meth	od: 40-0	0200 Inv	vitation to	Bid - Pub	lic Improv	ement		ITB#	PW1651-25
Description of Services	s or Grant A	ward							
Asphalt concrete resur	facing of var	ious Ma	rion County	y roads.					
Desired BOC Session 1	Date:	5/	14/2025	C	ontract sho	uld be i	n DocuSign by	7:	4/23/2025
Agenda Planning Date	_	5	/1/2025	<u>—</u> Р	rinted pack	ets due	in Finance:		4/29/2025
Management Update	-		29/2025		•		l Session email		4/30/2025
BOC Session Presenter	r(s) Rya	n Crow	ther		•				Code: Y
			REQU	IRED AI	PPROVAL	S			
Finance - Contracts			Date		Contract	Special	ist		Date
						•			
Legal Counsel			Date		Chief Ad	ministr	ative Officer		Date

Meeting date: 5/7/20	025
Department: Public	Works
Title:	Contract PW-6571-25 with North Santiam Paving Co. for Asphalt Concrete Paving
Management Update/	Work Session Date: $4/22/2025$ Audio/Visual aids
Time Required: 10 m	inutes Contact: Jill Ogden Phone: 503-365-3152
Requested Action:	Approve Public Improvement Agreement No. PW-6571-25 between Marion County and North Santiam Paving Co. in the amount of \$3,902,349.68 for Asphalt Concrete Resurfacing of Various County Roads.
Issue, Description	
& Background:	Planned work for this project includes isolated pavement repairs, scrub seal, paving, guardrail, new striping, new centerline delineation and shoulder rock on 16.2 miles on six different roads in North County. ITB was posted from 3/3/25 - 3/25/25 and four bids were received of which North Santiam Paving Co. was the lowest responsible bidder at \$3,902,349.68.
Financial Impacts:	Funding for this work is included in the FY 2025-26 proposed budget.
Impacts to Department & External Agencies:	Entering into this agreement does not directly impact any other Marion County departments.
List of attachments:	Contract PW-6571-25 with North Santiam Paving Co.
Presenter:	Ryan Crowther
Department Head Signature:	Brian Nicholas Digitally signed by Brian Nicholas Date: 2025.04.10 12:37:34 -07'00'

CONSTRUCTION CONTRACT PW-6571-25

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 North Santiam Paving Co., hereinafter called the "Contractor" for the Project entitled: Construction of Asphalt Concrete Resurfacing of Various Marion County Roads.

WITNESSETH

Contractor, in consideration of the sum of \$3,902,349.68 (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
Authorized Signature: Chief Administrative Officer	Date
Reviewed by Signature: Marion County Legal Counsel	Date
Reviewed by Signature: Marion County Contracts & Procurement	Date
NORTH SANTIAM PAVING CO. SIGNATURE	
Authorized Signature:	Date
Title·	

MARION COUNTY PUBLIC WORKS

INVITATION TO BID

FOR

THE CONSTRUCTION OF
ASPHALT CONCRETE RESURFACING OF
VARIOUS MARION COUNTY ROADS - REVISED

MARION COUNTY, OREGON

Bid Publication Date: March 3, 2025

Bid Opening: March 25, 2025

MARION COUNTY BID #: PW1651-25

OREGONBUYS BID SOLICITATION #: S-C25102-00012961

ECMS NO. 2025-101 ACCOUNTING PROJECT NO. 100267

MARION COUNTY BOARD OF COMMISSIONERS

Danielle Bethell

Commissioner

Colm Wills

Commissioner

Kevin Cameron

Commissioner

Brian Nicholas, Director of Public Works



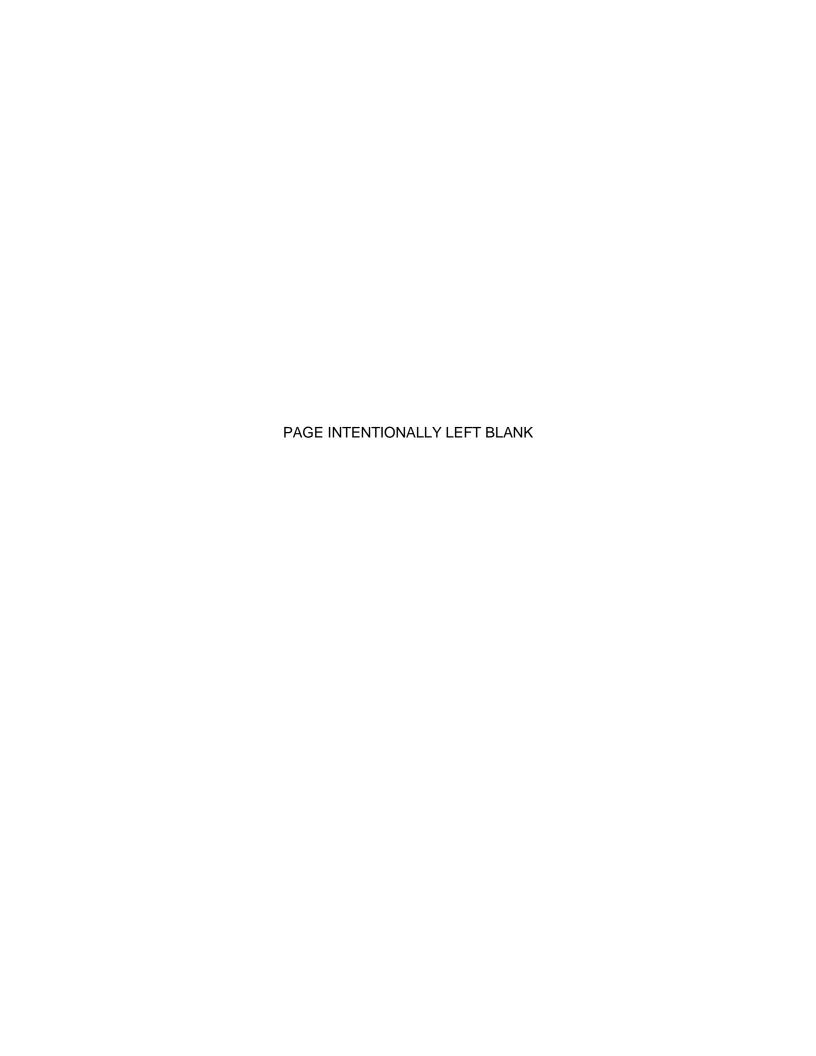
Electronic copies of this Invitation To Bid and attachments, if any, can be obtained from the Marion County Procurement Portal at the URL:

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TM841	Intersection Work Zone Details
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INTRODUCTION

1.1 Description of Work

Construction includes asphalt concrete paving, scrub sealing, and installing guardrail as called for in the Specifications and such additional Incidental Work as requested by the Engineer. The estimated cost range is \$3,000,000 to \$4,500,000

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 March 25, 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.msappproxy.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 Tuesday, March 25, 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 Asphalt Concrete Resurfacing of Various Marion County Roads.

Bid results will be posted by 10:00 a.m. the next business day on the OregonBuys website at https://oregonbuys.gov/bso/ 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. (Also see Special Provisions 180.50(h))

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 <u>2024 Oregon Standard Specifications for Construction</u>, 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 <u>General Conditions for Construction for Marion County (v2024)</u>, 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 2025-101 expires on September 30, 2026



ADDENDUM #1 TO THE INVITATION TO BID

PW1651-25 - ITB - CONSTRUCTION OF ASPHALT CONCRETE RESURFACING OF VARIOUS MARION COUNTY ROADS ISSUED ON 3/3/2025 9:00:00 AM

The following information in this addendum, hereby become part of the Invitation To Bid. It is essential that all prospective Offerors note the content of this Addendum.

A. Invitation to Bid – Revised

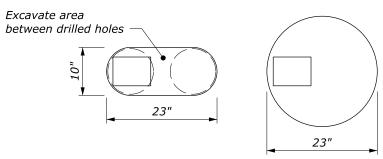
a. REVISED ITB POSTED

B. Question and Answers:

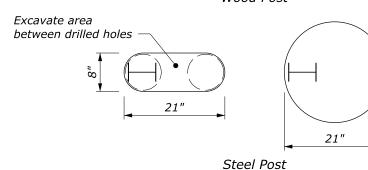
- 1. We noticed there is a discrepancy between the project summary list and the bid schedule for project # 5 (Saratoga Dr.). Bid item 810.450, Midwest Downstream Anchor Terminal, is listed in the Project summary list but not in the Bid Schedule. Which one is correct?
 - a. Please see revised fillable bid schedule issued in Addendum 1.
- 2. Drawing RD406 doesn't show rock embedment? What drawing is applicable.
 - a. RD406 is applicable. Match embankment and required depths with or without rock embedment and follow Federal Lands Highway Division Standard Drawing 617-13 (attached).
- 3. Project Plan number and names to no match the plans- Saratoga in the Bid schedule is Project #5, in the plans it is area #2, Monitor Mckee rd in the Bid schedule is project #2, in the plans it is area #1.
 - a. The plan set was revised to clearly show which locations correspond to which projects in the bid schedule.
- 4. Plan sheet #c03 note #4 talks about Midwest Guardrail Bridge rail end protection for 51 feet, Is that intended to be MGS Guardrail?
 - a. Yes, MGS throughout. The Type B endpiece should be W beam.
- 5. Plan sheet C03 doesn't show where any of the bid items for Midwest Guardrail is installed?

- a. Notes 2-8 reference ODOT Standard Drawings for MGS. Follow as applicable.
- 6. Plan sheet C02 and C03 don't have any Thrie Beam B end Pcs, I don't see a need for that bid item.
 - a. The thrie beam end pieces are included in the guardrail transition bid items and were deleted from the revised bid schedule.
- 7. Plan sheets C02 and C03 don't indicate the need for any 8 and 11 posts?
 - a. 8' and 11' posts may be needed and are included in the bid schedule for this reason as a contingency item.

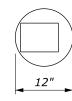




Wood Post



PLAN VIEW



Wood Post

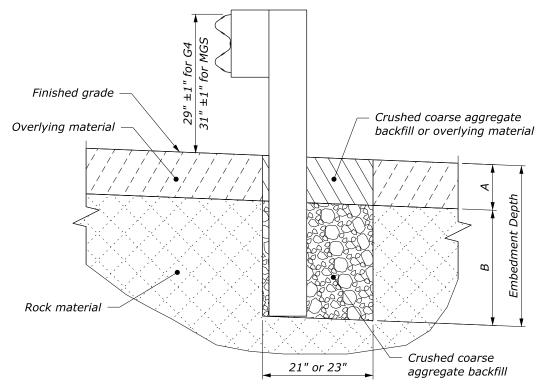


Steel Post

PLAN VIEW

NOTE:

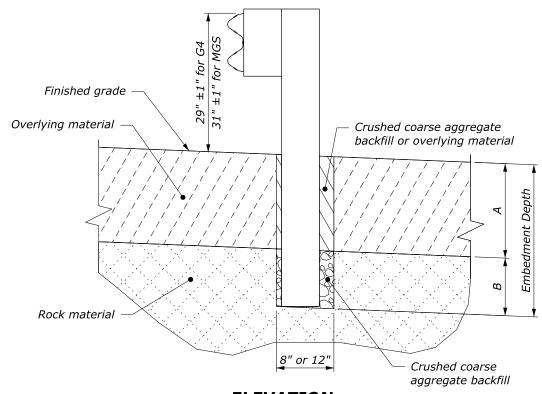
- 1. Use this standard when posts cannot be embedded to the minimum depth shown on Standard 617-10, 617-11, 617-31 or 617-32.
- 2. Unless otherwise specified, use either the circular or the oblong hole configuration for Case 1 conditions.
- 3. Use crushed coarse aggregate conforming to Section 703 "Coarse aggregate for concrete" or granular backfill for "Underdrain pipe with geotextile".
- 4. Place crushed coarse aggregate according to the post requirements in Section 617.
- 5. Treat field cut galvanized steel post surfaces that expose the base metal with two coats of zinc-oxide paint.



ELEVATION

Case 1: Overlying material depth (A) is 18" or less

	POST EMBEDMENT DIMENSIONS						
	HOLE	EMBEDMENT	OVERLYING	DRILLING			
	TYPE	DEPTH	MATERIAL (A)	DEPTH (B)			
	Case 1	24" to 42"	0 to 18"	24"			
	Case 2	30" to 42"	> 18" to 30"	12"			
		42"	> 30"	42" - A			



ELEVATION

Case 2: Overlying material depth (A) is greater than 18"

U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	FLH STANDARD 617-13
MGS AND G4	SPECIFICATION FP-24, FP-14
W-BEAM GUARDRAIL	APPROVED FOR USE
INSTALLATION IN ROCK	1/2024

NO SCALE

BID SCHEDULE - Updated 3/18/25

Marion County Public Works

ASPHALT CONCRETE RESURFACING OF VARIOUS MARION COUNTY ROADS

Marion County Bid Solicitation #: PW1651-25
OregonBuys Bid Solicitation #: S-C25102-00012961
ECMS #: 2025-101

PROJECT NUMBER 1 - MCKEE SCHOOL RD NE

ITEM#	DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
1.801	ACP Material Price Adjustment	0.00	As Authorized	\$1.00	
1.804	Railroad Insurance	0.00	As Authorized	\$1.00	
1.805	Railroad Flaggers	0.00	As Authorized	\$1.00	
225.276	Temporary Removable Tape	100.00	Feet	\$1.50	\$150.00
225.450	Portable Changeable Message Signs	2.00	Each	\$1,600.00	\$3,200.00
225.490	Flaggers	280.00	Hour	\$0.01	\$2.80
225.510	Pilot Cars	60.00	Hour	\$0.01	\$0.60
490.200	Minor Adjustment Of Catch Basins And Junction Boxes	1.00	Each	\$1,300.00	\$1,300.00
620.110	Cold Plane Pavement Removal, Butt Joints	530.00	Square Yard	\$8.50	\$4,505.00
620.211	Cold Plane Pavement Removal, 2" Deep	260.00	Square Yard	\$6.00	\$1,560.00
	Aggregate Shoulders	1,250.00	Ton	\$37.00	\$46,250.00
738.200	Safety Edge	1.00	Lump Sum	\$150.00	\$150.00
745.205	Level 2, 3/8" Dense, PG 64-22, ACP	2,700.00	Ton	\$83.00	\$224,100.00
749.095	Extra For Asphalt Approach	4.00	Each	\$900.00	\$3,600.00
749.150	Extra For Asphalt Road Connections	1.00	Each	\$900.00	\$900.00
861.050	Striping Layout	1.00	Lump Sum	\$1,000.00	\$1,000.00
1070.100	Single Mailbox Supports	11.00	Each	\$900.00	\$9,900.00
1070.600	Mailbox With Numbers	2.00	Each	\$350.00	\$700.00
9999.412	Temporary Centerline Delineation	957.00	Each	\$1.75	\$1,674.75

ECMS 2025-101 - PROJECT NUMBER 1 TOTAL \$298,993.15

PROJECT NUMBER 2 - MONITOR-MCKEE RD NE

ITEM#	DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
1.801	ACP Material Price Adjustment	0.00	As	\$1.00	
1.804	Railroad Insurance	0.00	Authorized As	\$1.00	
4 005	Deilyand Flaggers	0.00	Authorized As	φ1.00	
1.805	Railroad Flaggers	0.00	Authorized	\$1.00	
225.276	Temporary Removable Tape	260.00	Feet	\$1.50	\$390.00
225.450	Portable Changeable Message Signs	4.00	Each	\$2,300.00	\$9,200.00
225.490	Flaggers	1,140.00	Hour	\$0.01	\$11.40
225.510	Pilot Cars	220.00	Hour	\$0.01	\$2.20
280.100	Erosion Control	1.00	Lump Sum	\$100.00	\$100.00

280.322	Sediment Barrier, Type 3	350.00	Feet	\$4.75	\$1,662.50
290.100	Pollution Control Plan	1.00	Lump Sum	\$100.00	\$100.00
305.100	Construction Survey Work	1.00	Lump Sum	\$2,400.00	\$2,400.00
310.100	Removal Of Structures And Obstructions	1.00	Lump Sum	\$1,500.00	\$1,500.00
490.125	Minor Adjustment Of Manholes	1.00	Each	\$300.00	\$300.00
	Adjust Boxes	6.00	Each	\$300.00	\$1,800.00
	Filled Joint Seal	150.00	Feet	\$29.00	\$4,350.00
	Cold Plane Pavement Removal, Butt Joints	2,840.00	Square Yard	\$5.00	\$14,200.00
620.115	Cold Plane Pavement Removal, Curb Line	175.00	Square Yard	\$11.50	\$2,012.50
	Cold Plane Pavement Removal, 2" Deep	8,925.00	Square Yard	\$3.00	\$26,775.00
	Cold Plane Pavement Removal, Repair	882.00	•	•	•
020.000	Areas		- 4	\$8.00	\$7,056.00
641.190	Aggregate Shoulders	3,700.00	Ton	\$36.00	\$133,200.00
736.100	Scrub Seal	36,857.00	Square Yard	\$5.22	\$192,393.54
738.200	Safety Edge	1.00	Lump Sum	\$150.00	\$150.00
	Level 2, 3/8" Dense, PG 64-22, ACP	8,550.00	Ton	\$83.50	\$713,925.00
745.225	Level 2, 3/8" Dense, PG 64-22, ACP In Leveling	1,950.00	Ton	\$78.00	\$152,100.00
745.262		180.00	Ton	\$132.00	\$23,760.00
7/0 005	Extra For Asphalt Approach	10.00	Each	\$650.00	\$6,500.00
	Extra For Asphalt Road Connections	6.00	Each	\$2,250.00	\$13,500.00
	Guardrail End Pieces, Type C	1.00	Each	\$250.00	\$250.00
	Extra For 8' Posts	12.00	Each	\$45.00	\$540.00
	Extra For 11' Posts	6.00	Each	\$65.00	\$390.00
	Extra For Post Hole In Rock	6.00	Each	\$100.00	\$600.00
	Construct Grading at Guardrail Terminals	2.00	Each	\$3,400.00	\$6,800.00
	Guardrail Terminals, Non-Flared	1.00	Each	\$4,000.00	\$4,000.00
	Midwest Guardrail Anchor System	1.00	Each	¢4 040 00	¢4 040 00
	Downstream Anchor Terminal			\$1,910.00	\$1,910.00
810.500		280.00	Feet	\$40.00	\$11,200.00
861.050		1.00	Lump Sum	\$2,300.00	\$2,300.00
1030.228	Native Plant Seeding	1.00	Lump Sum	\$1,650.00	\$1,650.00
1070.100	Single Mailbox Supports	19.00	Each	\$900.00	\$17,100.00
1070.600	Mailbox With Numbers	3.00	Each	\$300.00	\$900.00
1070.650	Mailbox, Locking, With Numbers	1.00	Each	\$350.00	\$350.00
9999.412	Temporary Centerline Delineation	3,050.00	Each	\$1.75	\$5,337.50
	Temporary Detour Route	1.00	Lump Sum	\$20,000.00	\$20,000.00
9999.570	Preformed Expansion Joints	1.00	Lump Sum	\$1,750.00	\$1,750.00

ECMS 2025-101 - PROJECT NUMBER 2 TOTAL \$1,382,465.64

PROJECT NUMBER 3 - WAYPARK DR NE

ITEM#	DESCRIPTION	QTY	UNITS	UNIT PRICE A	MOUNT
1.801	ACP Material Price Adjustment	0.00	As	\$1.00	
			Authorized		
225.276	Temporary Removable Tape	40.00	Feet	\$1.50	\$60.00
225.450	Portable Changeable Message Signs	2.00	Each	\$1,850.00	\$3,700.00
	Flaggers	320.00	Hour	\$0.01	\$3.20
225.510	Pilot Cars	70.00	Hour	\$0.01	\$0.70

280.100 Erosion Control 280.322 Sediment Barrier, Type 3 290.100 Pollution Control Plan 305.100 Construction Survey Work 310.100 Removal Of Structures And Obstructions 585.200 Filled Joint Seal 587.115 Pedestrian Rail, Modified 587.500 Steel Bridge Rail Post 620.110 Cold Plane Pavement Removal, Butt Joints	1.00 800.00 1.00 1.00 1.00 88.00 470.00 118.00 750.00	Lump Sum Feet Lump Sum Lump Sum Lump Sum Feet Feet Each Square Yard	\$100.00 \$4.75 \$100.00 \$2,400.00 \$250.00 \$29.00 \$114.00 \$0.01 \$7.00	\$100.00 \$3,800.00 \$100.00 \$2,400.00 \$250.00 \$2,552.00 \$53,580.00 \$1.18 \$5,250.00
620.211 Cold Plane Pavement Removal, 2" Deep 641.190 Aggregate Shoulders 738.200 Safety Edge 745.205 Level 2, 3/8" Dense, PG 64-22, ACP 749.095 Extra For Asphalt Approach 810.160 Guardrail Anchors, Type 1 Modified 810.200 Guardrail End Pieces, Type B 810.250 Guardrail Transition 810.300 Extra For 8' Posts 810.302 Extra For 11' Posts 810.302 Extra For Post Hole In Rock 810.330 Construct Grading at Guardrail Terminals 810.350 Guardrail Terminals, Non-Flared 810.500 Midwest Guardrail System, Type 2A 861.050 Striping Layout 030.228 Native Plant Seeding 070.100 Single Mailbox Supports	420.00 1,400.00 1.00 4,100.00 1.00 2.00 1.00 8.00 12.00 6.00 6.00 8.00 7.00 100.00 1.00 2.00	Square Yard Ton Lump Sum Ton Each Each Each Each Each Each Each Each	\$8.50 \$37.00 \$150.00 \$87.00 \$950.00 \$1,200.00 \$200.00 \$5,100.00 \$65.00 \$100.00 \$1,050.00 \$4,000.00 \$4,000.00 \$1,200.00 \$1,650.00 \$900.00	\$3,570.00 \$51,800.00 \$150.00 \$356,700.00 \$950.00 \$2,400.00 \$200.00 \$40,800.00 \$540.00 \$390.00 \$600.00 \$8,400.00 \$4,000.00 \$1,200.00 \$1,650.00 \$1,800.00

ECMS 2025-101 - PROJECT NUMBER 3 TOTAL \$577,353.33

PROJECT NUMBER 4 - WEST CHURCH RD NE

ITEM #	DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
1.801	ACP Material Price Adjustment	0.00	As	\$1.00	
			Authorized		
225.276	Temporary Removable Tape	60.00	Feet	\$1.50	\$90.00
225.450	Portable Changeable Message Signs	3.00	Each	\$1,650.00	\$4,950.00
225.490	Flaggers	370.00	Hour	\$0.01	\$3.70
225.510	Pilot Cars	60.00	Hour	\$0.01	\$0.60
490.200	Minor Adjustment Of Catch Basins And	1.00	Each	\$1,400.00	\$1,400.00
	Junction Boxes				
620.110	Cold Plane Pavement Removal, Butt Joints	260.00	Square Yard	\$6.00	\$1,560.00
620.115	Cold Plane Pavement Removal, Curb Line	65.00	Square Yard	\$13.00	\$845.00
620.211		1,875.00	Square Yard	\$6.50	\$12,187.50
620.305		775.00	Square Yard	\$9.50	\$7,362.50
	Areas		•		
641.190	Aggregate Shoulders	1,150.00	Ton	\$39.00	\$44,850.00
736.100	Scrub Seal	8,867.00	Square Yard	\$5.22	\$46,285.74
738.200	Safety Edge	1.00	Lump Sum	\$150.00	\$150.00
745.205	Level 2, 3/8" Dense, PG 64-22, ACP	1,850.00	Ton	\$90.50	\$167,425.00

745.225	Level 2, 3/8" Dense, PG 64-22, ACP In	1,000.00	Ton	\$78.00	\$78,000.00
745.262	Leveling Level 2, 3/8" Dense, PG 64-22, ACP In	150.00	Ton	\$122.00	\$18,300.00
	Base Plug				
749.095	Extra For Asphalt Approach	9.00	Each	\$650.00	\$5,850.00
749.150	Extra For Asphalt Road Connections	1.00	Each	\$1,900.00	\$1,900.00
861.050	Striping Layout	1.00	Lump Sum	\$1,000.00	\$1,000.00
1070.100	Single Mailbox Supports	4.00	Each	\$900.00	\$3,600.00
9999.412	Temporary Centerline Delineation	650.00	Each	\$1.75	\$1,137.50

ECMS 2025-101 - PROJECT NUMBER 4 TOTAL

\$396,897.54

PROJECT NUMBER 5 -SARATOGA DR NE

ITEM#	DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
1.801	ACP Material Price Adjustment	0.00	As	\$1.00	
	·		Authorized		
225.276	Temporary Removable Tape	60.00	Feet	\$1.50	\$90.00
225.450	Portable Changeable Message Signs	4.00	Each	\$1,650.00	\$6,600.00
225.490	Flaggers	530.00	Hour	\$0.01	\$5.30
225.510	Pilot Cars	110.00	Hour	\$0.01	\$1.10
280.100	Erosion Control	1.00	Lump Sum	\$100.00	\$100.00
	Sediment Barrier, Type B	400.00	Feet	\$4.75	\$1,900.00
290.100	Pollution Control Plan	1.00	Lump Sum	\$100.00	\$100.00
	Construction Survey Work	1.00	Lump Sum	\$2,400.00	\$2,400.00
	Removal Of Structures And Obstructions	1.00	Lump Sum	\$250.00	\$250.00
	Adjust Boxes	3.00	Each	\$200.00	\$600.00
585.200	Filled Joint Seal	82.00	Feet	\$29.00	\$2,378.00
587.115	Pedestrian Rail, Modified	645.00	Feet	\$114.00	\$73,530.00
587.500	Steel Bridge Rail Post	162.00	Each	\$0.01	\$1.62
620.110	Cold Plane Pavement Removal, Butt Joints	1,085.00	Square Yard	\$10.00	\$10,850.00
620.115	Cold Plane Pavement Removal, Curb Line	95.00	Square Yard	\$14.50	\$1,377.50
	Cold Plane Pavement Removal, Repair Areas	2,150.00	Square Yard	\$10.50	\$22,575.00
6/1 100	Aggregate Shoulders	2,700.00	Ton	\$36.00	\$97,200.00
	Level 2, 3/8" Dense, PG 64-22, ACP	5,500.00	Ton	\$85.00	\$467,500.00
	Level 2, 3/8" Dense, PG 64-22, ACP In	2,900.00	Ton	\$74.00	\$214,600.00
7-40.220	Leveling	2,000.00		Ψ,σ	+- · · · · · · · · · · · · · · · · · · ·
745 262	Level 2, 1/2" Dense, PG 64-22, ACP In	375.00	Ton	\$118.00	\$44,250.00
7 10.202	Base Plug			•	,
749.095	Extra For Asphalt Approach	5.00	Each	\$750.00	\$3,750.00
749.150	Extra For Asphalt Road Connections	2.00	Each	\$1,900.00	\$3,800.00
810.250	Guardrail Transition	4.00	Each	\$5,100.00	\$20,400.00
	Extra For 8' Posts	12.00	Each	\$45.00	\$540.00
	Extra For 11' Posts	6.00	Each	\$65.00	\$390.00
	Extra For Post Hole In Rock	6.00	Each	\$100.00	\$600.00
810.330	Construct Grading for Guardrail Terminals	4.00	Each	\$1,000.00	\$4,000.00
	Guardrail Terminals, Non-Flared	4.00	Each	\$4,000.00	\$16,000.00
	Midwest Guardrail System, Type 2A	50.00	Feet	\$40.00	\$2,000.00
861.050	Striping Layout	1.00	Lump Sum	\$2,000.00	\$2,000.00
1030.228	Native Plant Seeding	1.00	Lump Sum	\$1,650.00	\$1,650.00

1070.100 Single Mailbox Supports	18.00	Each	\$900.00	\$16,200.00
1070.650 Mailbox, Locking, With Numbers	1.00	Each	\$300.00	\$300.00
9999.412 Temporary Centerline Delineation	1,977.00	Each	\$1.75	\$3,459.75

ECMS 2025-101 - PROJECT NUMBER 5 TOTAL \$1,021,398.27

PROJECT NUMBER 6 - NORTH HOWELL RD NE

ITEM#	DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
1.801	ACP Material Price Adjustment	0.00	As	\$1.00	
			Authorized		
225.276	Temporary Removable Tape	40.00	Feet	\$1.50	\$60.00
225.450	Portable Changeable Message Signs	2.00	Each	\$1,650.00	\$3,300.00
	Flaggers	170.00	Hour	\$0.01	\$1.70
225.510	Pilot Cars	50.00	Hour	\$0.01	\$0.50
620.110	Cold Plane Pavement Removal, Butt Joints	200.00	Square Yard	\$13.00	\$2,600.00
641.190	Aggregate Shoulders	620.00	Ton	\$39.00	\$24,180.00
745.205	Level 2, 3/8" Dense, PG 64-22, ACP	1,100.00	Ton	\$90.00	\$99,000.00
745.225	Level 2, 3/8" Dense, PG 64-22, ACP In	775.00	Ton	\$80.50	\$62,387.50
861.050	Striping Layout	1.00	Lump Sum	\$900.00	\$900.00
1070.100	Single Mailbox Supports	5.00	Each	\$900.00	\$4,500.00
9999.412	Temporary Centerline Delineation	550.00	Each	\$1.75	\$962.50

ECMS 2025-101 - PROJECT NUMBER 6 TOTAL \$197,892.20

PROJECT NUMBER 7 - REFLECTIVE PAVEMENT MARKERS

ITEM#	DESCRIPTION	QTY	UNITS	UNIT PRICE	TNUOMA
225.510	Pilot Cars	80.00	Hour	\$0.01	\$0.80
860.200	Bi-Directional Yellow Type I Markers	2,145.00	Each	\$12.75	\$27,348.75

ECMS 2025-101 - PROJECT NUMBER 7 TOTAL \$27,349.55 ECMS 2025-101 - TOTAL EXTENSION \$3,902,349.68

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 of 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, down-time,
 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: \$\frac{25 \text{ Million}}{25 \text{ Million}}\$. The Bidder declares the portion of this amount which remains available at time of completion of this form is \$\frac{13 \text{ Million}}{25 \text{ 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>1 </u>	Date:	March 18, 2025
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	Circle Blvd Reconstruction & Resurfacing
CUIRIACLIFI	

Location (city/state)	Corvallis, Oregon
Owners Name	
	City of Corvallis - Josh Bjornstedt - josh.bjornstedt@corvallisoregon.gov
Type of Work	Reconstruction of Circle Blvd from Hwy 99 to US20 in Corvallis
% Completed	100% - \$3,907,000
Estimated Completion Date	December 2023

Contract #2 Queen Avenue Rehabilitation

Location (city/state)	Albany, Oregon
Owners Name	City of Albany - Chris Cerklewski - chris.cerklewski@albanyoregon.gov
Type of Work	2700 ft of roadway rehab including curbs, walks, ramps and utilities
% Completed	100% - \$4,187,000
Estimated Completion Date	December 2024

Contract #3 US20 (0160 Santiam Hwy MP 58.75-MP 63.75 Paving

Location (city/state)	Tombstone, Oregon
Owners Name	ODOT Region 2 - Mike Metz - michael.metz@odot.oregon.gov
Type of Work	2" overlay paving of travel lanes and shoulders with striping
% Completed	100% - \$1,303,000
Estimated Completion Date	August 2024

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

#1 Project Owner Reference

Reference Name	Josh Bjornstedt
Business or Employer	City of Corvallis Public Works
Telephone	(541) 766-6731
Project Name/\$ Amount	Circle Blvd / \$3,907,000; Mary's River Path / \$360,000

#2 Project Owner Reference

Reference Name	Joanne Robinson
Business or Employer	ODOT Region 2
Telephone	(503) 569-8015
Project Name/\$ Amount	Price Agreement: On-Call Region 2 Paying - Ongoing

#1 Subcontractor Reference

Reference Name	Rob Hatch
Business or Employer	Hatch Western Company Inc.
Telephone	(503) 557-9898
Project Name/\$ Amount	Cold Plane Subcontractor on Numerous Projects

#2 Subcontractor Reference

Reference Name	Shelly Ream
Business or Employer	HQ Traffic Control LLC
Telephone	(503) 949-8656
Project Name/\$ Amount	Flagging/Pilot Car Subcontractor on Numerous Projects

The name of the Bidde	er who is submitting this B	id Certificatio	n is:
Company:	North Santiam Paving Co.		
	(Print or Type)		
Address:	PO Box 516 / 41203 Kingst	ton-Lyons Dr	
	(Print or Type)		
City, State Zip	Stayton, OR 97383		
	(Print or Type)		
which address is the a		munications	considered with this Bid Certification and with the
	is submitted by a partn		ting this Bid and Bid Certification or of the partners, fall persons interested in this Bid Certification as
Ronald R. Bochsler, Pre	esident	_1	Oylan J. Bochsler, Treasurer
Pete Sipos, Vice Presid	ent / General Manager	_!	Michael Aus, Corporate Secretary
Dated this25th	day of <i>N</i>	larch	, 20 <u>25</u> .
Construction Contracto	or's	North S	antiam Paving Co.
Board Registration Nu	mber	Firm Nan	le \
53247		1 pont 1	
		S i gnature	of Bidder
		-	R. Bochsler
		Name	Print or Type
		Presider	
		Title	Print or Type
		Telephon	e No(503) 769-3436
		Email Ad	dress:quotes@nspor.com
		Tax ID#	93-0627856
Business Organization	: (Check one)		
	☐ Limited Liability	Company	☐ Joint Venture
☐ Partnership	☐ Sole Proprietor	shin	☐ Other

ATTACHMENT C - BID BOND

KNOW ALL PERSONS BY THESE PRESENT	S, that North Santiam Paving Co
, hereinafter called the Principal, and Fe	ederal Insurance Company , a Corporation organized and
existing under and by virtue of the laws of the	state <u>Indiana</u> 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
	rs (\$ <u>Bid Amount</u>), for the payment of which, well and truly to be
made, we bind ourselves, our heirs, executors	s, administrators, successors and assigns, jointly and severally,
firmly by these presents.	
THE CONDITION OF THIS BOND IS SUCH T	HAT, WHEREAS, the Principal herein is herewith submitting his
or its Bid Proposal for Asphalt Concrete Resurfacing	g of Various Marion County Roads- County Bid # PW1651-25/
Solicitation # said Bid Proposal, by reference thereto, being	S-C25102-00012961/ ECMS # 2025-01/ Accounting # 100267 hereby made a part hereof.
NOW THEREFORE, if the said Bid Proposal s	ubmitted by the said Principal be accepted, and the Contract be
awarded to said Principal, and if the said Principal	ncipal shall execute the proposed Contract as required by the
bidding and the Contract Documents within the	e time set by said Documents, then this obligation shall be void.
If the Principal shall fail to execute the propose	ed Contract, the Surety hereby agrees to pay to the County the
sum as liquidated damages.	
Signed and sealed this <u>21st</u> day of <u>M</u>	arch, 2025
*	
	North Santiam Paving Co
	Principal
	By: Juna (1)
A certified copy of the Agent's	
Power-of-Attorney must be Attached hereto.	Federal Insurance Company Surety /
	\mathcal{D}_{h}
	By Shellie Loop Attorney-in-Fact



Power of Attorney

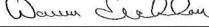
Federal Insurance Company | Vigilant Insurance Company | Pacific Indemnity Company Westchester Fire Insurance Company | ACE American Insurance Company

Know All by These Presents, that FEDERAL INSURANCE COMPANY, an Indiana corporation, VIGILANT INSURANCE COMPANY, a New York corporation, PACIFIC INDEMNITY COMPANY, a Wisconsin corporation, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY corporations of the Commonwealth of Pennsylvania, do each hereby constitute and appoint Deborah D. Ford-Bates of Lebanon, Oregon; Shannon Shelton and Shellie Loop of Stayton, Oregon---

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY have each executed and attested these presents and affixed their corporate seals on this 18th day of April 2024.

Rupert HD Swindells, Assistant Secretary





















STATE OF NEW IERSEY County of Hunterdon

SS.

On this 18th day of April, 2024 before me, a Notary Public of New Jersey, personally came Rupert HD Swindells and Warren Eichhorn, to me known to be Assistant Secretary and Vice President, respectively, of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY, the companies which executed the foregoing Power of Attorney, and the said Rupert HD Swindells and Warren Eichhorn, being by me duly sworn, severally and each for himself did depose and say that they are Assistant Secretary and Vice President, respectively, of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY and know the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of said Companies; and that their signatures as such officers were duly affixed and subscribed by like authority.

Notarial Seal



Albert Contursi NOTARY PUBLIC OF NEW JERSEY No 50202369 Commission Expires August 22,2027

CERTIFICATION

Resolutions adopted by the Boards of Directors of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY on August 30, 2016; WESTCHESTER FIRE INSURANCE COMPANY on December 11, 2006; and ACE AMERICAN INSURANCE COMPANY on March 20, 2009:

"RESOLVED, that the following authorizations relate to the execution, for and on behalf of the Company, of bonds, undertakings, recognizances, contracts and other written commitments of the Company entered into in the ordinary course of business (each a "Written Commitment"):

- Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal (1) of the Company or otherwise
- Each duly appointed attorney-in-fact of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise, (2) to the extent that such action is authorized by the grant of powers provided for in such person's written appointment as such attorney-in-fact.
- Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to appoint in writing any person the attorney-in-fact of the Company with full power and authority to execute, for and on behalf of the Company, under the seal of the Company or otherwise, such Written Commitments of the Company as may be specified in such written appointment, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.
- Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to delegate in writing to any other officer of the Company the authority to execute, for and on behalf of the Company, under the Company's seal or otherwise, such Written Commitments of the Company as are specified in such written delegation, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.
- The signature of any officer or other person executing any Written Commitment or appointment or delegation pursuant to this Resolution, and the seal of the Company, may be affixed by facsimile on such Written Commitment or written appointment or delegation.

FURTHER RESOLVED, that the foregoing Resolution shall not be deemed to be an exclusive statement of the powers and authority of officers, employees and other persons to act for and on behalf of the Company, and such Resolution shall not limit or otherwise affect the exercise of any such power or authority otherwise validly granted or vested."

I. Rudert HD Swindells, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY (the "Companies") do hereby certify that

- the foregoing Resolutions adopted by the Board of Directors of the Companies are true, correct and in full force and effect,
- the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Whitehouse Station, NJ, this 21st Day of March, 2025



Rupert HD Swindells, Assistant Secretary

PERFORMANCE BOND

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

KNOW ALL PERSONS BY THESE PRESENTS:

We the Undersigned North Santiam Paving Co. as PRINCIPAL (hereinafter called CONTRACTOR) and Federal Insurance Company a corporation organized and existing under and by virtue of the laws of the state of Indiana, and duly authorized to do surety business in the state of Oregon and named on the current list of approved surety companies acceptable on federal bonds and conforming with the underwriting limitations as published in the Federal Register by the audit staff of the Bureau of Accounts and the U.S. Treasury Department and is of the appropriate class for the bond amount as determined by Best's Rating System, as SURETY, hereby hold and firmly bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, to pay to MARION COUNTY, as OBLIGEE (hereinafter called MARION COUNTY), the amount of **Three million Nine hundred two thousand Three hundred forty-nine** Dollars and 68 Cents (\$**3,902,349.68**) in lawful money of the United States of America.

WHEREAS, the CONTRACTOR entered into a contract with MARION COUNTY dated <u>8th day of April</u>, <u>2025</u>, which contract is hereunto annexed and made a part hereof, for accomplishment of the project described as follows: Construction of Asphalt Concrete Resurfacing of Various Marion County Roads. Solicitation # PW1651-25:Oregon Buys Solicitation # S-C25102-00012961: ECMS # 2025-101.

NOW, THEREFORE, the condition of this obligation is such that if the CONTRACTOR shall promptly, truly and faithfully perform all the undertakings, covenants, terms, conditions, and agreements of the aforesaid contract and having performed its obligations thereunder, then this obligation shall be null and void; otherwise it shall remain in full force and effect until the expiration of any statutes of limitation or repose applicable to claims against Principal arising out of said Contract or for as long as CONTRACTOR is liable under the Contract.

Whenever CONTRACTOR shall be declared by MARION COUNTY to be in default under the Contract Documents for the project described herein, the SURETY may promptly remedy the default, or shall promptly complete the project in accordance with the Contract Documents and the project Specifications with a contractor approved by MARION COUNTY. SURETY, for value received, further stipulates and agrees that all changes, extensions of time, alterations, or additions to the terms of the Contract or Specifications for Construction of Asphalt Concrete Resurfacing of Various Marion County Roads. Solicitation # PW1651-25:Oregon Buys Solicitation # S-C25102-00012961: ECMS # 2025-101 are within the scope of the SURETY's undertaking on this bond, and SURETY hereby waives notice of any such change, extension of time, alteration or addition to the terms of the Contract or to the Specifications. Any such change, extension of time, alteration or addition to the terms of the Contract or to the Work or to the Specifications shall automatically increase the obligation of the Surety hereunder in a like amount, provided that such increase shall not exceed twenty-five percent (25%) of the original amount of the obligation without the consent of the Surety.

This obligation shall continue to bind the PRINCIPAL and SURETY, notwithstanding successive payments made hereunder, until the full amount of the obligation is exhausted.

No right of action shall accrue on this bond to or for the use of any person or corporation other than MARION COUNTY or its heirs, executors, administrators, successors or assigns.

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

IN WITNESS WHEREOF, we have hereunto set our hands and seals this <u>8th</u> day of <u>April</u>, <u>2025</u>.

Federal Insurance Company		North Santiam Paving Co		
SURETY		CONTRACTOR		
By: Shellie Loop		Ву:	3	
Title: Attorney In Fact		Title: PRESIDENT		
	. i. 1 ⁹ - i			11 1
P O Box 190	1x 1	P O Box 516		1, 1
Street Address	(r) ()	Street Address	1 1 , ,	id l
4 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		A A A A A A A A A A A A A A A A A A A		!!!
Stayton, OR 97383		Stayton, OR 97383		
City, State ZIP		City, State ZIP		
503-769-7105		503-769-7358	7, 1	
Phone Number		Phone Number		



Power of Attorney

Federal Insurance Company | Vigilant Insurance Company | Pacific Indemnity Company Westchester Fire Insurance Company | ACE American Insurance Company

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY have each executed and attested these presents and affixed their corporate seals on this 18th day of April 2024.

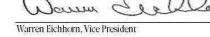
Rupert HD Swindells, Assistant Secretary



















STATE OF NEW JERSEY County of Hunterdon

SS.

On this 18th day of April, 2024 before me, a Notary Public of New Jersey, personally came Rupert HD Swindells and Warren Eichhorn, to me known to be Assistant Secretary and Vice President, respectively, of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY, the companies which executed the foregoing Power of Attorney, and the said Rupert HD Swindells and Warren Eichhorn, being by me duly sworn, severally and each for himself did depose and say that they are Assistant Secretary and Vice President, respectively, of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY and know the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of said Companies; and that their signatures as such officers were duly affixed and subscribed by like authority.

Notarial Seal



Albert Contursi NOTARY PUBLIC OF NEW JERSEY No 50202369 Commission Expires August 22,2027

CERTIFICATION

Resolutions adopted by the Boards of Directors of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY on August 30, 2016; WESTCHESTER FIRE INSURANCE COMPANY on December 11, 2006; and ACE AMERICAN INSURANCE COMPANY on March 20, 2009:

"RESOLVED, that the following authorizations relate to the execution, for and on behalf of the Company, of bonds, undertakings, recognizances, contracts and other written commitments of the Company entered into in the ordinary course of business (each a "Written Commitment"):

- (1) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise.
- (2) Each duly appointed attorney-in-fact of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise, to the extent that such action is authorized by the grant of powers provided for in such person's written appointment as such attorney-in-fact.
- (3) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to appoint in writing any person the attorney-infact of the Company with full power and authority to execute, for and on behalf of the Company, under the seal of the Company or otherwise, such Written Commitments of the Company as may be specified in such written appointment, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.
- (4) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to delegate in writing to any other officer of the Company the authority to execute, for and on behalf of the Company, under the Company's seal or otherwise, such Written Commitments of the Company as are specified in such written delegation, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.
- (5) The signature of any officer or other person executing any Written Commitment or appointment or delegation pursuant to this Resolution, and the seal of the Company, may be affixed by facsimile on such Written Commitment or written appointment or delegation.

FURTHER RESOLVED, that the foregoing Resolution shall not be deemed to be an exclusive statement of the powers and authority of officers, employees and other persons to act for and on behalf of the Company, and such Resolution shall not limit or otherwise affect the exercise of any such power or authority otherwise validly granted or vested."

I, Rupert HD Swindells, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY (the "Companies") do hereby certify that

- (i) the foregoing Resolutions adopted by the Board of Directors of the Companies are true, correct and in full force and effect,
- (ii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Whitehouse Station, NJ, this



Rupert HD Swindells, Assistant Secretary

LABOR AND MATERIALS PAYMENT BOND

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

KNOW ALL PERSONS BY THESE PRESENTS:

We the Undersigned North Santiam Paving Co. as PRINCIPAL and Federal Insurance Company a corporation organized and existing under and by virtue of the laws of the state of Indiana, and duly authorized to do surety business in the state of Oregon and named on the current list of approved surety companies acceptable on federal bonds and conforming with the underwriting limitations as published in the Federal Register by the audit staff of the Bureau of Accounts and the U.S. Treasury Department and which carries an "A" rating and is of the appropriate class for the bond amount as determined by Best's Rating System, as SURETY, hereby hold and firmly bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, unto MARION COUNTY, as OBLIGEE, in the sum of **Three million Nine hundred two thousand Three hundred forty-nine** Dollars and 68 Cents (\$**3,902,349.68***) in lawful money of the United States of America, for the payment of that sum for the use and benefit of claimants as defined below.

The condition of this obligation is such that whereas the PRINCIPAL entered into a contract with MARION COUNTY dated <u>8th Day of April</u>, <u>2025</u>, which contract is hereunto annexed and made a part hereof, for accomplishment of the project described as follows: Construction of Asphalt Concrete Resurfacing of Various Marion County Roads. Solicitation # PW1651-25: Oregon Buys Solicitation # S-C25102-00012961: ECMS # 2025-101.

NOW THEREFORE, if the PRINCIPAL shall promptly make payments to all persons, firms, subcontractors, corporations and/or others furnishing materials for or performing labor in the prosecution of the Work provided for in the aforesaid Contract, and any authorized extension or modification thereof, including all amounts due for materials, equipment, mechanical repairs, transportation, tools and services consumed or used in connection with the performance of such Work, and for all labor performed in connection with such Work whether by subcontractor or otherwise, and all other requirements imposed by law, then this obligation shall become null and void; otherwise this obligation shall remain in full force and effect, until the expiration of any statutes of limitation or repose applicable to claims against Principal arising out of said Contract or for as long as CONTRACTOR is liable under the Contract, subject, however, to the following conditions:

- 1. A claimant is as specified in ORS 279C.600 to 279C.620.
- 2. The above-named PRINCIPAL and SURETY hereby jointly and severally agree with the OBLIGEE and its assigns that every claimant as above-specified, who has not been paid in full, may sue on this bond for the use of such claimant, prosecute the suit to final judgment in accordance with ORS 279C.610 for such sum or sums as may be justly due claimant, and have execution thereon. The OBLIGEE shall not be liable for the payment of any judgment, costs, expenses or attorneys' fees of any such suit.

PROVIDED, FURTHER, that SURETY for the value received, hereby stipulates and agrees that all changes, extensions of time, alterations to the terms of the Contract or to Work to be performed thereunder or the Specifications accompanying the same shall be within the scope of the SURETY's undertaking on this bond, and SURETY does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Contract or to the Work or to the Specifications. Any such change, extension of time, alteration or addition to the terms of the

contract or to the Work or to the Specifications shall automatically increase the obligation of the SURETY hereunder in a like amount, provided that the total of such increases shall not exceed twenty-five percent (25%) of the original amount of the obligation without the consent of the SURETY.

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 8th day of April, 2025.

Federal Insurance Company	4 1	North Santiam Paving Co	· }
SURETY		CONTRACTOR	
By: Shellie Loop		By: John J. J.	
Title: Attorney-In-Fact		Title: PRESIDENT	
P O Box 190		P O Box 516	1
Street Address		Street Address	1
011 00 07000		01 1 00 07000	1
<u>Stayton, OR 97383</u>		Stayton, OR 97383	
City, State ZIP		City, State ZIP	
<u>503-769-7105</u>		<u>503-769-3436</u>	
Phone Number		Phone Number	



Power of Attorney

Federal Insurance Company | Vigilant Insurance Company | Pacific Indemnity Company Westchester Fire Insurance Company | ACE American Insurance Company

Know All by These Presents, that FEDERAL INSURANCE COMPANY, an Indiana corporation, VIGILANT INSURANCE COMPANY, a New York corporation, PACIFIC INDEMNITY COMPANY, a Wisconsin corporation, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY corporations of the Commonwealth of Pennsylvania, do each hereby constitute and appoint Deborah D. Ford-Bates of Lebanon, Oregon; Shannon Shelton and Shellie Loop of Stayton, Oregon----

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

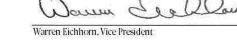
In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY have each executed and attested these presents and affixed their corporate seals on this 18th day of April 2024.



















STATE OF NEW JERSEY County of Hunterdon

SS.

On this 18th day of April, 2024 before me, a Notary Public of New Jersey, personally came Rupert HD Swindells and Warren Eichhorn, to me known to be Assistant Secretary and Vice President, respectively, of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY, the companies which executed the foregoing Power of Attorney, and the said Rupert HD Swindells and Warren Eichhorn, being by me duly sworn, severally and each for himself did depose and say that they are Assistant Secretary and Vice President, respectively, of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY and know the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of said Companies; and that their signatures as such officers were duly affixed and subscribed by like authority.

Notarial Seal



Albert Contursi NOTARY PUBLIC OF NEW JERSEY No 50202369



CERTIFICATION

Resolutions adopted by the Boards of Directors of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY on August 30, 2016; WESTCHESTER FIRE INSURANCE COMPANY on December 11, 2006; and ACE AMERICAN INSURANCE COMPANY on March 20, 2009:

"RESOLVED, that the following authorizations relate to the execution, for and on behalf of the Company, of bonds, undertakings, recognizances, contracts and other written commitments of the Company entered into in the ordinary course of business (each a "Written Commitment"):

- Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal (1) of the Company or otherwise
- Each duly appointed attorney-in-fact of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise, to the extent that such action is authorized by the grant of powers provided for in such person's written appointment as such attorney-in-fact. (2)
- Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to appoint in writing any person the attorney-infact of the Company with full power and authority to execute, for and on behalf of the Company, under the seal of the Company or otherwise, such Written Commitments of the Company as may be specified in such written appointment, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written
- Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to delegate in writing to any other officer of the Company the authority to execute, for and on behalf of the Company, under the Company's seal or otherwise, such Written Commitments of the Company as are specified in such written delegation, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.
- The signature of any officer or other person executing any Written Commitment or appointment or delegation pursuant to this Resolution, and the seal of the Company, may be affixed by facsimile on such Written Commitment or written appointment or delegation.

FURTHER RESOLVED, that the foregoing Resolution shall not be deemed to be an exclusive statement of the powers and authority of officers, employees and other persons to act for and on behalf of the Company, and such Resolution shall not limit or otherwise affect the exercise of any such power or authority otherwise validly granted or vested."

I, Rupert HD Swindells, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE ${\tt COMPANY} \ and \ {\tt ACE} \ {\tt AMERICAN} \ {\tt INSURANCE} \ {\tt COMPANY} \ ({\tt the} \ {\tt ``Companies''}) \ do \ hereby \ certify \ that$

- the foregoing Resolutions adopted by the Board of Directors of the Companies are true, correct and in full force and effect,
- the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Whitehouse Station, NJ, this



Rupert HD Swindells, Assistant Secretary

IN THE EVENT YOU WISH TO VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT: Telephone (908) 903-3493 Fax (908) 903-3656

ATTACHMENT D - DRUG & ALCOHOL TESTING POLICY CERTIFICATION

Has your firm established and implemented a drug and alcohol policy and testing program that complies with

ORS 279C.505 for public improvement contracts?
Yes No
I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Please print or type:
Company NameNorth Santiam Paving Co.
Name/Title Ronald R. Bochsler, President
Address PO Box 516, Stayton, OR 97383
Signature March 25, 2025

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 "Santiam River (Gates) Bridge" (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

Asphalt Concrete Resurfacing of Various County Roads

Project Name	Asphalt Concrete Resurfacing of Various County Roads					
ECMS Contract #	2025-101					
Bid Opening Date	Bid Opening DateMarch 25, 2025					
Name of Bidding Cor	tractorNorth Santiam Paving Co.					
	X IF YOU WILL NOT BE USING ANY FIRST-TIER SUBCONTRACTORS OR IF YOU TO THE DISCLOSURE REQUIREMENTS (SEE INSTRUCTIONS).					
	FIRST-TIER SUBCONTRACTORS					
Firm Name Sierra Santa Category of Work	Fe Dollar Amount # 238,000.00					
Scrub Seal						
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 <u>2024 Oregon Standard Specifications for Construction</u> with the following:

<u>General Conditions for Construction for Marion County, v2024,</u> 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:

00120.15 Examination of Work Site and Solicitation Documents; Consideration of Conditions to be Encountered - Add the following to the end of this subsection:

Certain Specifications included in the Project require additional experience or personnel qualifications. Refer to the subsection requirements that may affect bidding considerations, including but not limited to the following:

Subsection Title

00736.30 Personnel Qualifications

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 – Replace the bullet that begins "Determine the exact location before excavating within ..." with the following bullet:

• Determine the exact location before excavating within the tolerance zone according to OAR 952-001-0090(3)(c).

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 - Contractor is responsible to follow rules adopted by the Oregon Utility Notification Center, as set forth in OAR 952-001-0010 through OAR 952-001-0090.

NWN has a 4 inch high pressure gas line attached on the downstream side of three bridges and may require an on-site safety watcher, at no cost to the agency.

Before preforming any ground disturbance activities, the contractor shall schedule a meeting with Marion County and NWN representatives.

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:

00170.03 Furnishing Right-of-Way permits – At the end of the subsection add the following:

Agency Provided Permits – Marion County will provide the ODOT Work in Right of Way permits:

- Monitor Mckee Road at Hwy 214 Permit No. 03M48895
- McKee School Road at Hwy 214 Permit No, 03M48943

Contractor Provided Permits – The contractor is required to obtain a Work in Right of Way permit from the City of Mt Angel.

The work in Public Right of Way application is available at:

https://www.ci.mt-angel.or.us/files/documents/WorkintheRightofWay3053210061923PM.pdf

Phone Number:

503-845-9291

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

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

Add the following subsection:

00170.01(e) Railroads - An agreement between the Contractor and the Railroad to Work near or within Railroad property is required for this contract.

The contractor shall obtain from the railroad all necessary permits and licenses and pay all fees. Furnish a copy of the fully executed agreement and requirements to the Engineer before starting any work within the railroad right-of-way.

Willamette Valley Railroad Crossings for ECMS 2025-101 are as follows:

Project No. 1: McKee School Road NE

Crossing Location: Mt Angel
Rail Milepost: 734.7

ODOT Crossing Number: CC-734.70

USDOT Crossing Number: 759828C

Railroad ROW Width: 50 feet from the outside of the rail

Project No. 2: Monitor McKee Road NE

Contact: Crossing Location: Mt Angel
Rail Milepost: 733.7

ODOT Crossing Number: CC-733.70

USDOT Crossing Number: 759824A

Railroad ROW Width: 50 feet from the outside of the rail

Contact Information

Willamette Valley Railroad: David Root, General Manager PO Box 917 McMinnville, Oregon 97128 Phone: 503-474-1892

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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:

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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)
Special Events	00220.40(e)(2)(b)
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 - Add the following paragraph:

The Contractor shall submit a Type **B** schedule.

Add the following subsection:

00180.50(h) Contract Time - The Contractor shall complete all Work to be done under the Contract not later than September 30, 2025.

00180.85(b) Liquidated Damages - Replace the first 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, any or all of the following:

- (1) The amount of \$2085 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 \$521 per 1/4 hour that a traffic lane is closed before or after the hours specified in Section 00220.40(e) unless a time extension is preapproved by the Engineer.

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 modified as follows:

00190.20(f)(2) Scale Without Automatic Printer - Replace the paragraph that begins "The Contractor shall inform..." with the following paragraph:

If the scales require manual entry of gross weight information, the Agency may periodically have a representative weigh witness at the scales to observe the weighing procedures. The Contractor shall inform the Engineer of their intent to use a scale without an automatic printer at least 3 working days before weighing begins or before the Contractor changes to a scale that does not have an automatic printer. The Contractor shall pay costs for the weigh witness. The hourly cost of the weigh witness will be as stated in the Special Provisions. In addition, the Engineer may periodically check the weight for a load of Materials by directing the haul vehicle to reweigh on a different scale that has been inspected and certified according to 00190.20(b) and 00190.20(d).

Add the following paragraph after the paragraph that begins " If the scales require manual entry...":

Pay costs for the weigh witness at \$35.00 per hour.

00190.20(g) Agency-Provided Weigh Technician - Add the following paragraph to the end of this subsection:

Pay costs for the weigh technician at \$35.00 per hour.

00190.20(f)(3) Duties of Weigh Technician – Replace the fifth bullet with the following:

Furnish a legible, serially numbered weigh memo for each load of Materials to the Agency's Materials receiver at the point of delivery, or as directed by the Engineer. The memo shall identify the Project, the Materials, the date, net weight (gross and tare as appropriate), and identification of the vehicle and weigh technician.

• Electronic memos will not be accepted.

SECTION 00199 - DISAGREEMENT, PROTESTS, AND CLAIMS

Comply with Section 00199 of the General Conditions.

SECTION 00195 - PAYMENT

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

Add the following subsection:

00195.10 Asphalt Cement Material Price Escalation/De-escalation - An asphalt cement escalation/de-escalation clause will be in effect during the life of the 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 Standard Specifications.

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.

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

00220.02(a) General Requirements - Add the following bullets to the end of the bullet list:

- When paving operations create an abrupt edge, protect traffic by installing a "DO NOT PASS" (R4-1) sign before the Work Area at sign spacing "A" from the TCD Spacing Table" shown on the Standard Drawings. Alternate "ABRUPT EDGE" (CW21-7) signs with appropriate (CW21-8) rider and "DO NOT PASS" (R4-1) signs at 1/2 mile spacings. Install a "BUMP" (W8-1) sign 100 feet prior to the transverse paving edge.
- Place "Bump" signs at all temporary asphalt wedges.
- During scrub seal operations, place "Loose Aggregate" signs facing oncoming traffic 100 feet before the start of and end of the project and at 1/2 mile spacings
- Do not allow traffic to stop on the railroad crossing.

Add the following subsection:

00220.03(c) Written Work Zone Notification – Marion County will provide preliminary notification to adjacent residential and commercial properties. The notification will only provide general information.

The contractor shall provide written notification a minimum of 72 hours before beginning work on adjacent residential and commercial properties, and all dead-end streets located within the project limits. Include the following information on the notice:

- Construction dates
- Construction hours
- Construction activities that may impact the, and;
- Any limitations to driveway access

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

Traffic Lanes may be closed during following periods of time except as specified in 00220.40(e)(2):

Montior McKee Road

Single Lane Closure – One Traffic Lane may be closed during the following times:

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

Road Closure – The contractor may close Monitor McKee Road between Barron Road and 0.75 mile west of the *steel bridge* over the Pudding River bridge for one day when paving the bridge

McKee School Road

Single Lane Closure – One Traffic Lane may be closed during the following times:

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

Hilsboro-Silverton Hwy (OR-214)

Daily, Monday through Thursday, between 9:00 a.m. and 4:00 p.m. Friday, between 9:00 a.m. and 12:00 p.m.

Add the following subsection:

00220.41 Bridge Work - Before starting any grading or Pavement removal at Bridge ends or removal of Pavement from Bridge decks, arrange so that all Equipment, labor, and Materials required to complete the Pavement replacement Work and Bridge deck waterproofing Work are on hand or are guaranteed to be delivered. Once grading and Pavement removal begins, vigorously prosecute and complete this Work. Complete paving and membrane waterproofing Work in the shortest possible time.

Temporarily taper or bevel longitudinal and transverse grade changes or drop-offs resulting from grading and Pavement removal with a asphalt concrete mixture to provide a smooth and safe transition. Construct tapers according to 00620.40.

00220.60(a)(1) Contractor Responsibility - In the paragraph that begins "Do the following at no additional...", add the following bullet to the end of the bullet list:

• During scrub seal operations, broom the surface being used by bicycles as soon as practicable to keep it free of all dirt, mud, gravel, and other harmful materials. The surface includes bike paths, Bike Lanes, Roadway Shoulders or the outside 6 feet of the Roadway.

SECTION 00221 - COMMON PROVISIONS FOR WORK ZONE TRAFFIC CONTROL

Comply with Section 00221 of the Standard Specifications modified as follows:

00221.90(b) Temporary Protection and Direction of Traffic – After the first bullet add the following bullet:

Furnishing, placing, moving, maintaining, and removing temporary signs.

00221.03 Traffic Safety and Operations – Replace the bullet that begins "When paving operations create...." With the following bullet:

When paving operations create an abrupt or sloped edge drop off greater than 1 inch, protect motorists

by installing signing according to Standard Drawing TM 850. Protect longitudinal and transverse pavement joints by placing and maintaining an asphalt concrete wedge according to 00221.07(c)(1).

00221.06(a) Contractor-Modified Traffic Control Plan – Replace this subsection, except for the subsection number and title, with the following:

If the Contractor requests to use a modified Agency TCP, or a TCP developed by the Contractor, provide working drawings at least 14 calendar days before beginning construction activities that require the TCP changes.

The Engineer may request the Contractor make changes to the Agency's modified TCP or reject the TCP. Do not use a modified TCP unless approved by the Engineer.

SECTION 00222 – TEMPORARY TRAFFIC CONTROL SIGNS

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

00222.40(e) Temporary Sign Placement - Add the following to the end of the bullet list:

- Install an 18 by 24-inch "NO PARKING" sign in every block where on-street parking is prohibited, facing incoming traffic.
- When the existing centerline striping is obliterated, do the following:
 - Place a "NO CENTER LINE" (W8-12) sign approximately 2,500 feet in advance of each end of the Project.
 - Place "NO CENTER LINE" (W8-12) signs on approximately 2-mile intervals for each direction of traffic.
 - Place a "DO NOT PASS" (R4-1) sign on each side of the Roadway at the beginning and end of Project and on ½ mile intervals facing oncoming traffic.

00222.80(a) Area Basis - Delete this subsection

00222.90 Payment - Delete the following bid item:

(a) Temporary Signs......Square Foot

SECTION 00223 - WORK ZONE TRAFFIC CONTROL LABOR AND VEHICLES

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

Add the following subsection:

00223.35 Railroad Flagger Services – In accordance with the Railroad's requirements to work on and within Railroad property, provide Railroad flagger services as required by Willamette Valley Railway Co.

Add the following subsection:

00223.80(a)(1) Traffic Control Supervisor - Replace this subsection, except for the subsection number and title, with the following:

No measurement of quantities will be made for "Traffic Control Supervisor".

00223.80(a)(4) Railroad Flagger Services - The quantity of Railroad flagger services will be measured on the unit basis. A unit will be considered to be up to 12 consecutive hours in a Day. When more than one flagger is required due to Work at separate locations, each Railroad flagger will be measured as a separate unit. A maximum of two units per Day will be allowed at each separate location or operation where Railroad flagger services are required by the Railroad unless otherwise approved or directed.

Add the following subsection:

00223.90 Payment – Add the following Pay Item to the Pay Items list:

(g) Railroad Flagger ServicesNot to exceed \$4,000

Payment for item (g) includes all Equipment, labor, and Incidentals necessary to complete the Work as specified. Submit copies of the invoice to the Agency for reimbursement, payment will be the actual cost invoiced with no mark-up.

SECTION 00225 - TEMPORARY PAVEMENT MARKINGS

Comply with Section 00225 of the Standard Specifications modified as follows:

00225.40 Temporary Pavement Markers - Replace the paragraph that begins "Unless otherwise shown..." and the three bullets with the following paragraphs and bullets:

Install temporary flexible overlay pavement markers for temporary centerline marking as follows:

- Use string line or other appropriate means to maintain proper alignment of the markers. Adjust placement to avoid straddling a longitudinal joint, while maintaining a suitable alignment of markers
- Place and maintain one temporary flexible overlay pavement marker on 40 foot spacing or as directed.
- Place and maintain two temporary flexible overlay pavement marker on 20 foot spacing in curved alignment sections identified by a speed rider displaying less than the posted speed and channelization areas.

For an 8 inch solid white stripe, place two white temporary flexible pavement markers abutting each other on 10 foot spacing.

00225.41(a) Temporary Removable Tape – Add the following paragraph:

Before opening the road to traffic, install "Temporary Stop Bars" and "Temporary Arrows".

Add the following subsection:

00225.42(e) Centerline Delineation – Before opening the road to traffic, install temporary centerline delineation as follows:

(1) Wearing Course – Install temporary flexible overlay markers according to 00225.40. Remove temporary flexible overlay markers within 5 calendar days after notification that the permanent striping has been completed.

Remove temporary flexible pavement overlay markers without damaging the new asphalt surface.

- (2) Leveling Course and Base Course The contractor may elect to use either temporary flexible pavement markers, or a 4 inch by 12 inch piece of temporary non-removable tape for centerline delineation. Install temporary pavement markers according to 00225.40. Install temporary non-removable tape as follows:
 - On centerline, place two 4 inch by 12 inch pieces of non-removable rape on 20 foot spacing, or as directed.
 - For an 8 inch solid white stripe, place two 4 inch by 12 inches piece of non-removable tape abutting each other on 10 foot spacing.
 - Install temporary flexible overlay markers with the reflective side facing oncoming traffic.
 - Remove and/or replace misaligned or missing markers at no additional cost to the agency.
 - The contractor may pave over temporary non-removable tape on the leveling and base course.
 - Completely remove temporary flexible pavement markers. Use a method that does not damage the pavement. Repair any damaged surfaces to the Engineer's satisfaction at no additional cost to the Agency.

Remove dislodged temporary flexible overlay markers from the shoulders and drainage ditches.

Add the following subsection:

00225.80(d) Temporary Centerline Delineation – Temporary Centerline delineation will be measured on the count basis, by the actual count installed as follows:

- (a) Non-removable Tape, 4" by 12"......Each
- (b) Flexible Pavement Overlay Marker......Each

00225.90 Payment – Add the following pay item:

(m) Centerline Delineation......Each

Item (m) includes white and yellow temporary flexible pavement markers with reflective strip(s) and 4" by 12" non-removable tape.

SECTION 00230 - TEMPORARY 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 a temporary detour route.

Maintenance

00230.60 General – During the road closure the contractor is responsible to inspect and keep signs in good condition. Replace damaged signs at no cost to the agency.

Finishing and Cleaning Up

00230.70 General – Before opening the road to traffic, remove or cover all detour signs. Fill post holes with soil.

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 for the item Temporary Detour Route.

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

Payment includes maintaining detour signs during the road closure.

No separate or additional payment will be made for temporary sign supports or wood posts.

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:

Furnish erosion control measures that prevents sediment, debris and petroleum products from entering any waters of the state, U.S. or storm drains. The contractor shall implement Best Management Practices (BMP)

for construction.

- If any amount of petroleum products spills in waters of the State or U.S. begin cleanup immediately, notify the Engineer and the Oregon Emergency Response System at 1-800-452-0311.
- If any amount of petroleum products spill into a stormwater inlet, contact the Engineer immediately.

Delete the paragraph that begins "When contaminants, pollutants or hazardous materials...".

The Agency's NPDES 1200-CA permit is not applicable to this Project.

00280.06 Erosion and Sediment Control Manager - Delete this subsection.

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/salem

00280.90 Payment – When "Erosion Control" is included in the contract bid schedule, payment will be made according to 00280(a).

Delete the following bid item:

(b) Erosion and Sediment Control Manager.....Lump Sum

SECTION 00290 - ENVIRONMENTAL PROTECTION

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

Add the following subsection:

00290.30(a)(7) Treated Wood - Treated wood includes any wood treated with any pesticide or wood preservatives.

- Store treated wood out of contact with standing water and wet soil and protected from precipitation.
- 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.

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.

00290.90 Payment – When "Pollution Control" is included in the contract bid schedule, payment will be made according to 000290.

SECTION 00305 - CONSTRUCTION SURVEY WORK

Comply with Section 00305 of the Standard Specifications.

SECTION 00310 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS

Comply with Section 00310 of the Standard Specifications.

SECTION 00350 - GEOSYNTHETIC INSTALLATION

Comply with Section 00350 of the Standard Specifications.

SECTION 00490 - WORK ON EXISTING SEWERS AND STRUCTURES

Comply with Section 00490 of the Standard Specifications.

SECTION 00585 - EXPANSION JOINTS

Comply with Section 00585 of the Standard Specifications.

SECTION 00620 - COLD PLANE PAVEMENT REMOVAL

Comply with Section 00620 of the Standard Specifications modified as follows:

00620.40 Pavement Removal – Replace this subsection, except for number and title, with the following:

- (1) **General** Remove the existing pavement to the depth, width, grade, and cross section as shown or directed. The use of a heating device to soften the pavement is not allowed.
- (2) **Inlay** Remove the existing pavement to the depth, width, grade, and cross section as shown or directed. Schedule work so the full width and length of the cold planed area is paved to finish grade by the end of the work shift, and before opening the road to traffic.
- (3) **Overlay** Construct a wedge of asphalt concrete at a slope 1V:50H or flatter along transverse drop offs by the end of the work shift, and before opening the road to traffic.
- (4) **Utilities** Construct a wedge of asphalt concrete around manholes, valve boxes, and other structures that are over 1 inch but less than 2 inches above existing grade.

When structures are over 2 inches temporarily lower the manholes.

(5) **Butt Joints** – Along the transverse edge, provide a smooth vertical edge the full depth and width of the cold planed area by saw cutting, jack hammer, or other approved method. See standard drawing RD610. Do not begin the paving operation until the vertical edge is approved by the Engineer.

00620.43 Maintenance Under Traffic - Replace this subsection, except for the subsection number and title, with the following:

- (1) **Butt Joints**: Traffic will be allowed on the cold planed surface for 5 calendar days when controlled by a stop sign, the contractor will be responsible to maintain asphalt wedges. Traffic will not be allowed on the cold planed surface when not controlled by a stop sign.
- (2) **Inlay**: Schedule work so that the area milled is paved during the same work shift, traffic will not be allowed on the cold planed surface.
- (3) **Bridge Work**: Schedule work so that materials are either onsite or scheduled to be delivered during the work shift before removing the asphalt surface, traffic will not be allowed on the cold planed surface.
- (4) **Temporary Signs**: Place temporary signs according to 00220.02(a) or as directed.

SECTION 00641 - AGGREGATE SUBBASE, BASE, AND SHOULDERS

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

00641.01 Definitions:

Crushed Round Rock – A source of rock that does not require being "shot" or "blasted" to extract it from a source, or round rocks less than 4 inches in diameter.

Crushed Quarry Rock – A source that requires being "shot" or "blasted" to extract it from a source before crushing. When a source is approved by the Engineer before crushing, a 4 inch diameter or larger round rock may be substituted.

00641.10(a) Base and Shoulder Aggregate – Replace the second paragraph with the following:

Furnish Base and Shoulder Aggregate meeting the following specifications:

Dense Graded Base and Shoulder Aggregate......2630.10

Add the following two subsections:

00641.10(c) Base Aggregate – Furnish crushed quarry rock or round rock, base aggregate shall be either 1" - 0 or 3/4" - 0 size as the contractor elects.

00641.10(d) Shoulder Aggregate – Furnish crushed quarry rock. Crushed round rock is not allowed for shoulder rock.

00641.16(a)(1) Gradation - Replace this subsection, except for the subsection number and title, with the following:

A stockpile contains specification aggregate gradation when test results are within the upper and lower gradation limits according to 002630.10(a) Table 2630-1.

00641.16(b) Non-Specification Aggregate Gradation - Replace this subsection, except for the subsection number and title, with the following:

Stockpiled aggregates that do not meet the upper and lower gradation limits according to 002630.10(a) Table 2630-1 will be considered non-specification and will be rejected unless the non-specification material is removed from the stockpile.

00641.20(b) Road Mix – Delete this subsection. Road mix is not allowed on this Project.

00641.22 Spreading Equipment – Add the following at the end of this subsection:

Furnish equipment that is capable of:

- Receiving aggregate directly from the hauling vehicle.
- Conveying aggregate directly to the shoulder area.
- Placing shoulder aggregate to the width depth and slope specified or as directed.

00641.41 Mixing, Hauling, and Placing - Replace the sentence that begins "Add water to the Aggregate..." with the following:

After the aggregate loaded and weighed, add enough water to the aggregate to provide a uniform moisture content sufficient to obtain the required compaction.

SECTION 00730 - EMULSIFIED ASPHALT TACK COAT

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

00730.11 Emulsified Asphalt – Replace the sentence that begins "Furnish CSS-1, CSS-1h..." with the following sentence:

Furnish CSS-1 or CSS-1h as selected by the Contractor.

00730.11 Emulsified Asphalt - Replace the paragraph that begins "Dilution of the tack coat material may be allowed..." with the following sentence:

Dilution of the tack coat material is allowed only by the asphalt Supplier at a ratio meeting the requirements of ODOT's publication *Standard Specifications for Asphalt Materials*.

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 00736 – SCRUB SEAL TREATMENT

Section 00736, which is not a Standard Specification, is included in this Project by Special Provision.

Description

00736.00 Scope – This work includes furnishing and applying a bituminous scrub seal and cover aggregate to a clean and prepared road surface. The work shall be done in the following order:

- Prepare the pavement surface
- Apply the polymer modified Anionic asphalt emulsion surface sealer at the recommended rate, and:;
- Force the emulsion deep into the voids and cracks with a scrub broom immediately after applying the emulsion
- Apply aggregate, roll aggregate with pneumatic rollers, sweep up and remove excess aggregate from the roadway.

Materials

00736.10 Materials— Submit a scrub seal mix design of polymer modified anionic emulsion and aggregate designed to rejuvenate the existing pavement and form a tight bond with the existing pavement. The mix design must contain the application rate of emulsion and aggregate.

The asphalt shall be polymer modified prior to emulsification, and shall be smooth and homogeneous and conform to the following requirements:

Emulsion Test	Minimum	Maximum	
Viscosity @ 122 ^F , SSF	50	400	
PH	10	13.0	
Sieve Test %		0.10	

Test Residue from Distillation 350 ^F	Minimum	Maximum
Oil in Distillate Volume %		1.0
DSR at 64C kPa		2.50
Penetration @ 39.2 ^F	40	
Elastic Recovery, 50 ^F , T-301	60%	
Float Test Sec	1200	

Flash Point	380	
Viscosity	200	750
Saturation % by Weight	40	30%
Asphaltenes %		1.0

00736.11(a) Aggregates - Furnish 3/8" – #4 scrub seal aggregate that comply with 00710.10.

Equipment

00736.20 - Furnish equipment in good repair.

(a) **Distributor** - Furnish a dedicated pressure distributor for scrub seal to avoid contamination with incompatible materials.

Maintain all equipment used for storage, delivery and handling of the emulsion to prevent contamination of the emulsion.

Furnish and maintain temperature measuring devices to continuously monitor the temperature of the scrub seal in storage and the distributor.

- **(b) Scrub Broom** Furnish a broom designed to use immediately following the application of the liquid asphalt emulsion sealer to the road surface. The broom shall be constructed for the purpose of forcing the emulsion sealer into the existing surface cracks and distributing the emulsion sealer evenly over a variable road surface contours.
 - (1) The scrub broom frame shall be constructed of metal. The scrub broom shall be attached to and pulled by the distributor truck. The scrub broom must be equipped with the means to mechanically raise and lower the scrub broom off and onto the road surface at designated points of completion and start up. It shall be towable in the elevated position to the next area of construction. The weight and configuration of the broom assembly shall be such that it does not squeegee the emulsion sealer off the roadway surface.
 - (2) The main body of the broom shall be a minimum of 6'-9" wide and 8'-0" long. The maximum width of the rigid frame at any point shall not exceed 8'-0". The length shall not exceed 10'-0". The nearest and furthest members paralleling the back of the spreader truck, and diagonal members shall be equipped with street brooms. The leading member and the trailing member shall have broom heads angled at approx. 15 degrees off the centerline of the supporting member. The diagonal members shall have broom heads attached in line with the centerline of the supporting member.
 - (3) Each individual street broom attached to the scrub broom assembly shall be 3.5" W x 6.5" H x 16" L and have stiff, nylon bristles. Bristle height is to be maintained at a minimum of 5". The scrub broom shall be equipped with a minimum of 2 hinged wing assemblies attached to the main body not to exceed 4 to 6 foot in total per side, with diagonals and equipped with street brooms. The purpose of the maximum rigid frame width and the hinged wing extensions is not only for maximum of 14' but to maintain the scrubbing process evenly as contours and cross-sections change across the existing road surface.
 - (4) Supplier shall verify the scrub broom has appropriate adjustments to maintain uniform contact across the pavement, creating a 4" to 6" wave of emulsion ahead of each of the broom sections (front, middle, and rear). The emulsion must be retained within the area contacted by the brooms and not squeegeed off the pavement surface.

- (5) The Contractor to provide a ground person to walk alongside the scrub broom that is in radio contract with the distributor truck operator. The ground person is to inform the distributor truck operator on shot rate adjustment in order to produce the 4" to 6" wave of emulsion in front of the brooms.
- (6) Contractor shall supply a scrub broom as described for the purpose of scrubbing the PMRE. If the supplier fails to supply the scrub broom specified, the project may be shut down until the supplier supplies the required equipment fully equipped for operation.
- **(c) Aggregate Spreader** Furnish a self-propelled aggregate spreader that will accurately apply aggregate uniformly at the specified rate without corrugation, overlaps, or excess deficient areas.
- (d) Roller Furnish a minimum of two 10 16 ton self-propelled pneumatic tired rollers unless directed by the Engineer.

Labor

00736.30 Personnel Qualifications – 10 calendar days before the preconstruction meeting, submit the following:

- List of personnel performing and supervising the scrub seal.
- Include a list of locations and dates of previous projects and reference contact for verification to support the experience requirement.
- Proof of successfully completing at least three scrub seal projects within the last 5 years.

Contractor to provide an oil manufacturer's representative when required by the Engineer.

Construction

00736.40 – **Season and Temperature Limitations** – Perform bituminous scrub seal operations during daylight hours and when the surface temperature is 50° F and rising. Do not apply bituminous scrub seal when foggy or when rain/precipitation is forecast within the next 24 hours.

00736.41 Surface Preparation – Immediately before applying bituminous scrub seal remove dirt, clay and other foreign materials with a power sweeper, power broom, power blowers, and hand brooms. The outer edge of pavement must be thoroughly cleaned before applying scrub seal.

00736.43 Mix Design – Contractor shall submit a mix design that contains the following:

- Application rate for aggregate
- Application rate for binder
- Appropriateness of the materials

The design rates are a guide only and will need to be adjusted for field variances including pavement condition.

00736.44 Test Strip – Construct a 500' test strip to prove the broom sled is effective.

00736.50 Pavement Overlay – Allow a minimum of 21 days after scrub seal application before starting the asphalt overlay.

Measurement

00736.80 Measurement – The accepted quantities of work performed under this section will be measured according to the following:

Cationic Asphalt Emulsion - Will be measured on the weight basis.

Cover Aggregate – Will be measured on the area basis.

Payment

00736.90 Payment – The accepted quantities performed under this section will be paid for at the contract unit price as follows:

Pay Item Unit of Measurement

(a) Scrub Seal......Square Yard

Item (a) will be payment in full for furnishing all materials, labor, and equipment necessary to complete the work as specified.

No separate or additional payment will be made for preparing the road surface or brooming the road surface.

SECTION 00738 - SAFETY EDGE

Comply with Section 00738 of the Standard Specifications.

SECTION 00744 - ASPHALT CONCRETE PAVEMENT

Comply with Section 00744 of the Standard Specifications modified as follows:

00744.10(c) Recycled Shingles – Delete this subsection and any reference to RAS in 00744 and replace with the following:

Recycled Asphalt Shingles (RAS) are not allowed in the production of new ACP.

00744.11(a) Asphalt Cement - Add the following to the end of this subsection:

Provide PG 64-22 grade asphalt cement for this Project.

Add the following subsection:

00744.51 Opening Sections to Traffic - Schedule work so that, during the same shift, the surfaces being paved are paved full width and length through the wearing Course before opening to traffic.

SECTION 00748 - ASPHALT CONCRETE PAVEMENT REPAIR

Comply with Section 00748 of the Standard Specifications.

SECTION 00749 - MISCELLANEOUS ASPHALT CONCRETE STRUCTURES

Comply with Section 00749 of the Standard Specifications.

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.

00810.11 Posts - Replace this subsection with the following subsection:

Furnish steel posts that comply with 02820.20.

Add the following subsection:

00810.16 Grading at Guardrail Terminal Materials:

- (a) Embankment Furnish embankment Materials meeting the applicable parts of Section 00330.
- **(b) Aggregate** Furnish either 1" 0 or 3/4" 0 size crushed Aggregate that is clean, hard, durable, and reasonably well-graded from the maximum size to dust.
- **(c) Asphalt Concrete Mixture** Furnish asphalt concrete mixture meeting the requirements of 00744.10 through 00744.14.

Acceptance of grading at guardrail terminal Materials will be visual by the Engineer.

00810.41 Excavation and Backfill - Add the following paragraph to the end of this subsection:

Hand dig guardrail post holes or use other non-invasive methods when posts are located within 24 inches surrounding the outside dimension of all sides of underground utilities as shown or directed.

Add the following subsection:

00810.44 Grading at Guardrail Terminals:

- (a) Earthwork Perform earthwork according to the applicable parts of Section 00330.
- **(b) Aggregate** Place Aggregate in two or more layers of nearly equal thickness. The maximum compacted thickness of any one layer shall not exceed 6 inches. Compact each layer of Material by rollers conforming in general to 00641.24.

Shape and maintain the surface of each layer during the compaction operation to produce a uniform texture and firmly keyed Aggregates.

Continue the compactive effort until there is no reaction or yielding observed under the compactor.

(c) Asphalt Concrete Mixture - Place asphalt concrete mixture according to 00744.40 through 00744.49.

00810.80 Measurement - Add the following to the end of this subsection:

The quantities of construction grading at guardrail terminals and extra for post hole in rock will be measured on the unit basis.

00810.90 Payment -

Add the following Pay Items to the Pay Item list:

Pay Item

Unit of Measurement

- (m) Construct Grading at Guardrail Terminals Each
- (n) Extra for Post Hole in Rock......Each

Add the following paragraph after the paragraph that begins "In Item (I), the type...":

Item (m) includes excavation and embankment work, and for furnishing all equipment, labor, aggregate, asphalt concrete mix and incidentals necessary to complete the work as specified.

Item (n) includes all equipment, labor and incidental necessary to complete the work as specified.

SECTION 00850 - COMMON PROVISIONS FOR PAVEMENT MARKINGS

Comply with Section 00850 of the Standard Specifications modified as follows:

00850.00 Scope – Before the first sentence add the following:

Before cold plane removal and paving, document the location of the existing striping. After the paving is completed, mark out the pavement markings in the original location for striping.

Add the following subsection:

00850.81 Measurement - No quantities of measurement will be made for striping layout.

Add the following subsection:

00850.90 Payment – The accepted quantities striping layout will be paid for at the contract unit price, per unit of measurement, for the following item:

(a) Striping layout......Each

SECTION 01030 - SEEDING

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

01030.13 Seed - Replace this subsection, except for the subsection number and title, with the following:

Furnish a commercially available grass seed blend suitable for full sun and partial shade with 70% Perennial Rye Grass and 30% Fine Fescue.

Do not use fertilizer within 150 feet of any waters of the U.S., State, or stormwater inlet.

01030.45 Soil Testing – Delete this subsection.

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

The minimum living plant coverage for seeding is 80 percent of ground surface.

01030.90 Payment – Delete Pay Items (I) and (m) from the Pay Item list.

SECTION 01070 - MAILBOX SUPPORTS

Replace section title with the following:

MAILBOXES AND MAILBOX SUPPORTS

Comply with Section 01070 of the Standard Specifications modified as follows:

01070.00 Scope - Replace this subsection, except for the subsection number and title, with the following:

This work consists of the following:

- Removing, maintaining, and reinstalling existing mailboxes and existing supports.
- Raising the height of existing mailboxes, existing supports, and new paper boxes.
- Furnish new supports when existing support is damaged or too short to adjust to required height.
- Furnish new non-locking mailboxes with reflectorized numbers. Replace existing mailboxes with new mailboxes of similar in size; or
- Furnish new locking mailboxes with reflectorized numbers. Replace existing mailboxes with new mailboxes of similar in size.

Add the following subsection:

01070.16 Mailboxes - Furnish new mailboxes that meet the following requirements:

- Are U.S. Postmaster approved.
- Locking Constructed of sheet metal or aluminum
- Non-Locking Constructed of light sheet metal, aluminum or plastic.
- Powder- coat finish.
- Weigh 22.4 pounds or less.

01070.80 Measurement - Add the following paragraph to the end of this subsection:

The quantities of work performed under this section will be measured on the unit basis.

01070.90 Payment - Add the following Pay Item to the Pay Item list:

(d) Remove and Reinstall Mailbox and Supports	Each
(e) Mailbox, Locking	Each
(f) Mailbox, Non-Locking	Each

Add the following two paragraphs:

Item (d) includes removing mailboxes and supports, maintaining them at temporary locations, and reinstalling them at their permanent locations.

Items (e) and (f) include furnishing mailboxes and supports, and for furnishing all labor, equipment and incidentals necessary to complete the work as specified.

PROJECT SUMMARY LIST Marion County 2025 RESURFACING, ECMS Number 2025-101

FOR ALL PROJECTS:

TRAFFIC CONTROL

<u>Lane Closure Hours</u> – Refer to Section 00220 and ODOT permit for details on lane closures and hours of operation.

Removable Tape – Place white removable tape according to 00225.40, 00225.41(a) and 00225.42(e)(2), or as directed by the Engineer.

<u>Portable Changeable Message Signs</u> - Place Portable Changeable Message Signs as directed and according to Standard Drawing TM800.

<u>Temporary Flexible Pavement Markers and Centerline Delineation</u> - Place Temporary Flexible Pavement Markers according to 00225.40 and 00225.42(e) or as directed by the Engineer.

For leveling or base courses place Temporary Flexible Pavement Markers or temporary non-removable tape according to 00225.42(e)(2).

<u>Tubular and Conical Markers</u> - Install temporary traffic delineation according to 00224.40 and 00224.46.

ADJUSTMENT OF EXISTING STRUCTURES

Verify riser heights in the field prior to construction, adjust existing structures according to Section 00490.

COLD PLANE PAVEMENT REMOVAL OF ROADWAYS

<u>Tapered Transverse Pavement Joint</u> – Before opening to traffic, provide a temporary wedge of asphalt concrete at transverse pavement joints. See 00620.43 when traffic is allowed on cold planed surfaces. For taper rate see Transverse Cold Plane Pavement Removal Detail. Prior to paving, construct a smooth vertical edge along transverse joints according to 00620.40(f) and Standard Drawing RD610 Asphalt Concrete Pavement (ACP) Details, "Edge Detail".

AGGREGATE SHOULDERS

<u>Placement</u> – Place shoulder rock along asphalt overlays according to 00641 and the Typical Section drawings.

Provide warning signs and tubular or conical markers according to 00224.46 where abrupt or

sloped edge drop-offs are greater than one (1) inch in height.

SAFETY EDGE

When indicated in the Schedule of Items, construct a safety edge according to Section 00738 and Standard Drawing No. RD615.

ASPHALT CONCRETE PAVEMENT (ACP)

<u>Depositing ACP</u> – On projects where indicated, furnish pick-up equipment or a transfer machine that is self-supporting, will deliver the mixture to the paving machine at a rate that provides continuous operation and prevents segregation. Do not deposit asphalt directly into the paving machine for wearing courses. When ACP is windrowed, furnish pick-up equipment according to 00745.46(b).

<u>Cooling Time</u> – Pave no more than half of the street/road per work shift. Allow asphalt to cool to 165° F before paving adjacent lanes, or as directed by the Engineer.

<u>Joint Sealing</u> – Seal all finished joints with hot paving grade asphalt or emulsified asphalt, as the contractor elects, and sand.

Vertical Face – Provide a vertical face according to Subsection 00745.48(a)(2).

ASPHALT CONCRETE PAVEMENT REPAIR (ACPR)

<u>Construction</u> – Construct ACPR according to Section 00748 and the ACPR Detail Drawing as directed by the Engineer and this Project Summary List.

MAILBOXES

<u>Mailbox Supports</u> – Install mailbox supports according to Section 01070 and ODOT Standard Drawing Numbers "RD100 – Mailbox Support" and "RD101 – Mailbox Installation Details" at locations shown in the Mailbox Work List.

PROJECT SUMMARY LIST Marion County 2025 RESURFACING, ECMS Number 2025-101

Project # 1 Mckee School Rd NE Rd # : 544-010

FROM: Monitor-Mckee Rd

TO: St Hwy 214

Length: 1.812 Miles Width - Old: 20.0' New: 20.0'

Item #	Description	Notes	Quantity	Units
1.804	RAILROAD INSURANCE		0	AA
1.805	RAILROAD FLAGGERS		0	AA
225.276	TEMPORARY REMOVABLE TAPE		100	FT
225.450	PORTABLE CHANGEABLE MESSAGE SIGNS		2	EA
225.490	FLAGGERS		280	HR
225.510	PILOT CARS		60	HR
490.200	MINOR ADJUSTMENT OF CATCH BASINS AND		1	EA
	JUNCTION BOXES			
620.110	COLD PLANE PAVEMENT REMOVAL, BUTT JOINTS		530	SY
620.211	COLD PLANE PAVEMENT REMOVAL, 2" DEEP		260	SY
641.190	AGGREGATE SHOULDERS		1250	TN
738.200	SAFETY EDGE		1	LS
745.205	LEVEL 2, 3/8" DENSE, PG 64-22, ACP		2700	TN
749.095	EXTRA FOR ASPHALT APPROACHES		4	EA
	EXTRA FOR ASPHALT ROAD CONNECTIONS		1	EA
	STRIPING LAYOUT		1	LS
	SINGLE MAILBOX SUPPORTS		11	EA
	MAILBOX WITH NUMBERS		2	EA
9999.412	TEMPORARY CENTERLINE DELINEATION		957	EA

COLD PLANE PAVEMENT REMOVAL OF ROADWAYS

Station	Length	Width	Depth	SY	Notes
0+00	50.0'	Varies	2.0"	258.3	Inlay at Monitor-Mckee Intersection
					Intersection
0+50	50.0'	20.0'	2.0' – 0"	111.1	Transition to Overlay
52+80	50.0'	25.0'	0" – 2.0"	138.9	Butt Joint at RxR
53+40	50.0'	25.0'	2.0" - 0"	138.9	Butt Joint at RxR
95+19	50.0'	Varies	0" – 2.0"	140.7	End Project Butt Joint

ASPHALT CONCRETE PAVEMENT

<u>Depositing ACP</u> – Furnish pick-up equipment or a transfer machine.

Mainline

Course	Station	Length	Width	Depth	Ton
Inlay	0+00	50.0'	Varies	2.0"	30
Overlay	0+50	5280'	20'	2.0"	1331
No Pave	53+30	10'			
Overlay	53+40	4229'	20'	2.0"	1066

Road Connections and Approaches

Description	Туре	Station	Length	Width	Depth	Tons
Property #13009	Approach	26+07	70.0'	10.0'	2"	9
Beyer Ln	Rd. Connection	33+27	50.0'	Varies	2"	16
Property #13369	Approach	40+47	25.0'	10.0'	2"	4
Property #13358	Approach	46+30	35.0'	10.0'	2"	5
Property #13488	Approach	56+09	35.0'	10.0'	2"	5

Project # 2 Monitor-Mckee Rd NE Rd #: 543-010, 020, 030

FROM: Howell Prairie Rd EP TO: Woodburn-Monitor Rd

Length: 5.772 Miles Width - Old: 21.0' New: 21.0'

Item #	Description	Notes	Quantity	Units
1.804	RAILROAD INSURANCE		0	AA
	RAILROAD FLAGGERS		0	AA
225.276	TEMPORARY REMOVABLE TAPE		260	FT
225.450	PORTABLE CHANGEABLE MESSAGE SIGNS		4	EA
	FLAGGERS		1140	HR
225.510	PILOT CARS		220	HR
	EROSION CONTROL PLAN		1	LS
280.322	SEDIMENT BARRIER, TYPE 3		350	FT
290.100	POLLOTION CONTROL PLAN		1	LS
305.100	CONSTRUCTION SURVEY WORK		1	LS
310.100	REMOVAL OF STRUCTURES AND OBSTRUCTIONS		1	LS
490.125	MINOR ADJUSTMENT OF MANHOLES		1	EA
490.300	ADJUST BOXES		6	EA

			1
	FILLED JOINT SEAL	150	
620.110	COLD PLANE PAVEMENT REMOVAL, BUTT JOINTS	2840	SY
620.115	COLD PLANE PAVEMENT REMOVAL, CURB LINE	175	
620.211	COLD PLANE PAVEMENT REMOVAL, 2" DEEP	8925	SY
620.305	COLD PLANE PAVEMENT REMOVAL, REPAIR	882	SY
	AREAS		
641.190	AGGREGATE SHOULDERS	3700	TN
736.100	SCRUB SEAL	36857	SY
738.200	SAFETY EDGE	1	LS
745.205	LEVEL 2, 3/8" DENSE, PG 64-22, ACP	8550	TN
745.225	LEVEL 2, 3/8" DENSE, PG 64-22, ACP IN LEVELING	1950	TN
745.262	LEVEL 2, 1/2" DENSE, PG 64-22, ACP IN BASE PLUG	180	TN
749.095	EXTRA FOR ASPHALT APPROACHES	10	EA
749.150	EXTRA FOR ASPHALT ROAD CONNECTIONS		EA
	GUARDRAIL END PIECES, TYPE C		EA
810.300	EXTRA FOR 8' POSTS	12	EA
	EXTRA FOR 11' POSTS	6	EA
	EXTRA FOR POST HOLE IN ROCK		EA
	GUARDRAIL TERMINAL, NON-FLARED		EA
810.450	MIDWEST GUARDRAIL ANCHOR SYSTEM	1	EA
	DOWNSTREAM ANCHOR TERMINAL		
	MIDWEST GUARDRAIL SYSTEM, TYPE 2A	280	_
	STRIPING LAYOUT	1	
	NATIVE PLANT SEEDING	1	LS
	SINGLE MAILBOX SUPPORTS		EA
	MAILBOX WITH NUMBERS		EA
	MAILBOX, LOCKING, WITH NUMBERS		 '
	TEMPORARY CENTERLINE DELINEATION	3050	
	TEMPORARY DETOUR ROUTE	1	LS
9999.570	PREFORMED EXPANSION JOINTS	1	LS

EXISTING STRUCTURE ADJUSTMENTS

Minor Adjustment of Boxes

Station	Offset	Туре	Notes
34+71	Rt. 2'	Monument	Miller Rd Intersection
120+77	Rt. 3'	Monument	Baron Rd Intersection
166+35	Lt. 14'	Gas	Mckee School Rd Intersection
173+78	Lt. 1'	Gas	
226+25	Lt. 16'	Gas	Hwy 214 (West Side)
285+13	Lt. 40'	Gas	Lean Ln Intersection

Minor Adjustment of Manholes

Station	Offset	Туре	Notes
35+01	Lt. 15'	Iron	Miller Road Intersection

COLD PLANE PAVEMENT REMOVAL OF ROADWAYS

Station	Length	Width	Depth	SY	Notes
0+00	75.0'	Varies	2.0" - 0"	577.8	Begin Project Butt Joint
31+01	50.0'	Varies	2.0" - 0"	138.2	Bethlehem Rd Connection
85+13	110.0'	23.0'	0" – 2.0"	281.1	Transition to Inlay
86+23	2212.0'	23.0'	2.0"	5652.9	Inlay (Bridge)
108+35	110.0'	23.0'	2.0" - 0"	281.1	Transition to Overlay
122+75	110.0'	22.0'	0" – 2.0"	268.9	Transition to Inlay
123+85	1167.0'	22.0'	2.0"	2852.7	Inlay (Bridge)
135+52	110.0'	22.0'	2.0" - 0"	268.9	Transition to Overlay
164+52	110.0'	22.0'	0" – 2.0"	268.9	Transition to Inlay
165+62	130.0'	22.0'	2.0"	317.8	Inlay (West of RxR)
167+02	110.0'	22.0'	2.0" - 0"	268.9	Butt Joint East of RxR
170+25	80.0'	7.0'	2.0" - 0"	62.2	Concrete Driveway #12506
182+55	70.0'	7.0'	2.0" - 0"	54.4	Concrete Driveway #12666
184+80	70.0'	7.0'	2.0" - 0"	54.4	Concrete Driveway #12706
225+85	50.0'	Varies	0" – 2.0"	144.2	Hwy 214 West Side
227+10	50.0'	Varies	2.0" - 0"	157.4	Hwy 214 East Side
304+19	75.0'	Varies	0" – 2.0"	283.3	End Project Butt Joint

Cold Plane Pavement Removal, Repair Areas

<u>Locations</u> – Will be marked in the field as follows:

Course	Station	Left / Right	Length	Width	SY	Depth	ACP Depth	ACP Tons
Plug	228+25	Both	100	21'	233.3	3"	3"	40
Plug	243+22	Right	40'	7'	31.1	3"	3"	6
Plug	244+14	Both	50'	21'	116.7	3"	3"	20
Plug	250+95	Both	51'	21'	119.0	3"	3"	21
Plug	255+98	Right	45'	7'	35.0	3"	3"	6
Plug	256+43	Both	81'	21'	189.0	3"	3"	33
Plug	264+48	Left	55'	7'	42.8	3"	3"	8
Plug	270+65	Left	30'	7'	23.3	3"	3"	4
Plug	273+10	Right	118'	7'	91.8	3"	3"	16

SCRUB SEAL

Preform Scrub Seal after pavement repairs are completed and before ACP overlay. The contractor shall allow a minimum of 21 days after scrub seal before starting ACP overlay per section 00736.50.

<u>Locations</u> – Will be marked in the field as follows:

Course	Station	Length	Width	SY
Scrub Seal	136+33	2814.0'	21.0'	6566.0
Scrub Seal	168+52	5533.0'	21.0'	12911.0
Scrub Seal	228+60	7449.0'	21.0'	17381.0

ASPHALT CONCRETE PAVEMENT

<u>Depositing ACP</u> – Furnish pick-up equipment or a transfer machine.

<u>Mainline</u>

Course	Station	Length	Width	Depth	Ton
Overlay	0+00	8623'	21'	2.0"	2282
Inlay	86+23	2212'	23'	2.0"	642
Overlay	108+35	1550'	21'	2.0"	411
Inlay	123+85	1167'	22'	2.0"	324
Overlay	135+52	3010'	22'	2.0"	
Inlay	165+62	130'	22'	2.0'	37
No Pave (RxR)	166+92	10'			
Overlay	167+02	5973'	21'	2.0"	1581
Leveling	168+00	5685'	21.0'	1.0"	752
No Pave (Hwy 214)	226+35	75'			
Overlay	227+10	7709'	21'	2.0"	2040
Leveling	228+10	7509'	21.0'	1.0"	994

Road Connections and Approaches

Description	Туре	Station	Length	Width	Depth	Tons
Frolov Dr	Approach	11+50	25.0'	10.0'	2.0"	4
Property #10166	Approach	29+90	25.0'	10.0'	2.0"	4
Bethlehem Rd	Rd. Connection	31+01	50.0'	Varies	2.0"	16
Miller Rd (North)	Rd. Connection	34+65	140.0'	Varies	2.0"	53
Miller Rd (South)	Rd. Connection	34+65	120.0'	Varies	2.0"	39
Property #10645	Approach	61+39	35.0'	10.0'	2.0"	5
Baron Rd	Rd. Connection	120+78	600.0'	Varies	2.0"	149
Property #13965	Approach	257+60	25.0'	10.0'	2.0"	4
Property #14346	Approach	268+56	25.0'	10.0'	2.0"	4
Property #14346	Approach	269+83	20.0'	10.0'	2.0"	3
Property #14486	Approach	278+80	20.0'	10.0'	2.0"	3

Property #14486	Approach	279+76	20.0'	10.0'	2.0"	3
Leah Ln West Leg	Rd. Connection	285+18	125.0'	20.0'	2.0"	32
Leah Ln East Leg	Rd. Connection	285+18	50.0'	20.0'	2.0"	13
Property #14686	Approach	294+94	35.0'	10.0'	2.0"	5

FILLED JOINT SEAL and PREFORMED EXPANSION JOINTS

Filled Joint Seal - Will be marked in the field at locations as shown in table below.

Refer to Section 00585 filled joint seal for details on material and installation.

<u>Preformed Expansion Joint</u> – Will be marked in the field at locations as shown in table below.

Refer to Standard Drawing BR165 Detail "A".

Station	Joint Type	Location	Length
96+89	Filled Joint Seal	West End Bridge #47C36	24'
97+34	Filled Joint Seal	East End Bridge #47C36	24'
105+92	Filled Joint Seal	West End Approach Slab Bridge #47C37	21'
106+14	Preformed Expansion Joint	West End Bridge #47C37	19'
107+36	Preformed Expansion Joint	East End Bridge #47C37	19'
107+55	Filled Joint Seal	East End Approach Slab Bridge #47C37	21'
128+75	Filled Joint Seal	West End Bridge #47C38	30'
129+52	Filled Joint Seal	East End Bridge #47C38	30'

Project # 3 114th St / Waypark Dr #: 632A-010, 020

FROM: W. Church Rd TO: Howell Prairie Rd

Length: 2.604 Miles Width - Old: 22' New: 22'

Item #	Description	Notes Quantity	Units	
	TEMPORARY REMOVABLE TAPE	40		
	PORTABLE CHANGEABLE MESSAGE SIGNS		EA	
	FLAGGERS	320		
	PILOT CARS		HR	
	EROSION CONTROL PLAN	- I	LS	
	SEDIMENT BARRIER, TYPE 3	800		
	POLLUTION CONTROL PLAN		LS	
	CONSTRUCTION SURVEY WORK	1	LS	
	REMOVAL OF STRUCTURES AND OBSTRUCTIONS		LS	
	FILLED JOINT SEAL		FT	
	PEDESTRIAN RAIL MODIFIED	470		
	STEEL BRIDGE RAIL POST	118		
	COLD PLANE PAVEMENT REMOVAL, BUTT JOINTS	750		
	COLD PLANE PAVEMENT REMOVAL, 2" DEEP	420		
	AGGREGATE SHOULDERS	1400		
	SAFETY EDGE		LS	
	LEVEL 2, 3/8" DENSE, PG 64-22, ACP	4100		
	EXTRA FOR ASPHALT APPROACH	-	EA	
	GUARDRAIL ANCHORS, TYPE 1 MODIFIED		EA	
	GUARDRAIL END PIECES, TYPE B	1	EA	
810.250	GUARDRAIL TRANSITION	8	EA	
810.300	EXTRA FOR 8' POSTS	12	EA	
810.302	EXTRA FOR 11' POSTS	6	EA	
810.320	EXTRA FOR POST HOLE IN ROCK	6	EA	
810.350	GUARDRAIL TERMINAL, NON-FLARED	7	EA	
810.500	GUARDRAIL, MIDWEST	100	FT	
861.050	STRIPING LAYOUT	1	LS	
1030.228	NATIVE PLANT SEEDING	1	LS	
1070.100	SINGLE MAILBOX SUPPORTS			
9999.412	TEMPORARY CENTERLINE DELINEATION	1375	EA	

COLD PLANE PAVEMENT REMOVAL OF ROADWAYS

Station	Length	Width	Depth	SY	Notes
85+00	110.0'	22.0'	0" – 2"	268.9	Butt Joint at Bridge
87+57	170.0'	22.0'	2'	415.6	Inlay Between Bridges
89+93	110.0'	22.0'	2" – 0"	268.9	Butt Joint at Bridge
137+00	50.0'	Varies	0" – 2"	207.6	End Project Butt Joint

ASPHALT CONCRETE PAVEMENT

<u>Depositing ACP</u> – Furnish pick-up equipment or a transfer machine.

<u>Mainline</u>

Course	Station	Length	Width	Depth	Ton
Overlay	0+00	8610'	22'	2.0"	2387
No Pave	86+10	147'			
Inlay	87+57	170'	22'	2.0'	48
No Pave	89+27	66'			
Overlay	89+93	4757'	22'	2,0'	1319

Road Connection and Approaches

Description	Туре	Station	Length	Width	Depth	Tons
DW #10280	Approach	85+22	25'	10'	2"	4

FILLED JOINT SEAL

Filled Joint Seal - Will be marked in the field at locations as shown in table below.

Refer to Section 00585 filled joint seal for details on material and installation.

Station	Joint Type	Location	Length
86+10	Filled Joint Seal	East End Bridge	22'
		#05511A	
87+57	Filled Joint Seal	West End Bridge	22'
		#05511A	
89+27	Filled Joint Seal	East End Bridge	22'
		#05512A	
89+93	Filled Joint Seal	West End Bridge	22'
		#05512A	

FROM: Hook Rd NE TO: Mt Angel City Limit

Length: 1.213 Miles Width - Old: 21.0' New: 21.0'

Item #	Description	Notes	Quantity	Units
225.276	TEMPORARY REMOVABLE TAPE		60	FT
225.450	PORTABLE CHANGEABLE MESSAGE SIGNS		3	EA
225.490	FLAGGERS		370	
225.510	PILOT CARS		60	HR
490.200	MINOR ADJUSTMENT OF CATCH BASINS AND JUNCTION BOXES			EA
620.110	COLD PLANE PAVEMENT REMOVAL, BUTT JOINTS		260	SY
620.115	COLD PLANE PAVEMENT REMOVAL, CURB LINE		65	SY
620.211	COLD PLANE PAVEMENT REMOVAL, 2" DEEP		1875	SY
620.305	COLD PLANE PAVEMENT REMOVAL, REPAIR AREAS		775	SY
641.190	AGGREGATE SHOULDERS		1150	ZN
736.100	SCRUB SEAL		8867	SY
738.200	SAFETY EDGE		1	LS
745.205	LEVEL 2, 3/8" DENSE, PG 64-22, ACP		1850	TN
	LEVEL 2, 3/8" DENSE, PG 64-22, ACP IN LEVELING		1000	TN
	LEVEL 2, 1/2" DENSE, PG 64-22, ACP IN BASE PLUG		150	TN
	EXTRA FOR ASPHALT APPROACHES		9	EA
	EXTRA FOR ASPHALT ROAD CONNECTIONS		1	EA
	STRIPING LAYOUT		1	LS
	SINGLE MAILBOX SUPPORTS			EA
9999.412	TEMPORARY CENTERLINE DELINEATION		650	EA

EXISTING STRUCTURE ADJUSTMENTS

Minor Adjustment Catch Basins and Junction Boxes

Station	Offset	Туре	Notes
47+60	Rt 13'	Catch Basin	

COLD PLANE PAVEMENT REMOVAL OF ROADWAYS

Station	Length	Width	Depth	SY	Notes
2+35	80.0'	7.0'	0" – 2"	62.2	Curb Grind at PCC Driveway
10+07	50.0'	21.0'	0" – 2"	116.7	114 th Road Connection
54+97	110.0'	21.0	0" – 2"	256.7	Transition to Inlay
56+07	800.0'	21.0'	2"	1866.7	Inlay at East end of project

Cold Plane Pavement Removal, Repair Areas

<u>Locations</u> – Will be marked in the field as follows:

Course	Station	Right / Left	Length	Width	Area (SY)	Depth	ACP Depth	ACP Tons
Plug	16+51	Left	153.0'	7.0'	119.0	3"	3"	21
Plug	16+82	Right	122.0'	7.0'	94.9	3"	3"	17
Plug	26+40	Left	96.0'	7.0'	74.7	3"	3"	13
Plug	28+25	Left	144.0'	10.0'	160.0	3"	3"	28
Plug	28+56	Right	160.0'	7.0'	124.4	3"	3"	22
Plug	39+01	Left	50.0'	10.0'	55.6	3"	3"	10
Plug	46+75	Right	176.0'	7.0'	136.9	3"	3"	24

SCRUB SEAL

Preform Scrub Seal after pavement repairs are completed and before ACP overlay. The contractor shall allow a minimum of 21 days after scrub seal before starting ACP overlay per section 00736.50.

<u>Locations</u> – Will be marked in the field as follows:

Course	Station	Length	Width	SY
Scrub Seal	11+00	3800.0'	21.0'	8867.0

ASPHALT CONCRETE PAVEMENT

<u>Depositing ACP</u> – Furnish pick-up equipment or a transfer machine.

<u>Mainline</u>

Course	Station	Length	Width	Depth	Ton
Overlay	0+00	5607'	21'	2.0"	1484
Base Lift	11+50	3700'	21'	2.0"	980
Inlay	56+07	800'	21'	2.0"	212

Road Connections and Approaches

Description	Type	Station	Length	Width	Depth	Tons
West Connection to Hook Rd	Rd. Connection	2+44	135.0'	22.0'	2"	38
Property #9918	Approach	3+90	80.0'	7.0'	2"	8
Property #9962	Approach	6+05	25.0'	5.0'	2"	2
Property #9980	Approach	7+30	20.0'	5.0'	2"	2

144 th St Ne	Rd. Connection	10+07	160.0'	22.0'	2"	45
Property #11464	Approach	11+93	15.0'	7.0'	2"	2
Evergreen Golf	Approach	24+90	25.0'	10.0'	2"	4
Property #12234 West	Approach	50+28	20.0'	10.0'	2"	3
Property #12234 East	Approach	50+75	20.0'	10.0'	2"	3
Property #12265	Approach	54+75	40.0'	5.0'	2"	3
Ruef Ln	Approach	58+35	75.0'	10.0'	2"	10

Project # 5 Saratoga Dr NE / Hook Rd NE Rd #: 49-010, 020, 030

FROM: Howell Prairie Rd NE

TO: Mt Angel Hwy Length: 3.743 Miles Width - Old: 21.0' New: 21.0'

Item #	Description	Notes Quantity	Units
225.276	TEMPORARY REMOVABLE TAPE	60	FT
225.450	PORTABLE CHANGEABLE MESSAGE SIGNS	4	EA
	FLAGGERS	530	
	PILOT CARS	110	HR
280.100	EROSION CONTROL PLAN		LS
280.332		400	
	POLLUTION CONTROL PLAN	1	LS
305.100	CONSTRUCTION SURVEY WORK	1	LS
310.100	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1	LS
	ADJUST BOXES	3	EA
	FILLED JOINT SEAL	82	FT
	PEDESTRIAN RAIL MODIFIED	645	
587.500	STEEL BRIDGE RAIL POST	162	
	COLD PLANE PAVEMENT REMOVAL, BUTT JOINTS	1085	
	COLD PLANE PAVEMENT REMOVAL, CURB LINE		SY
	COLD PLANE PAVEMENT REMOVAL, REPAIR AREAS	2150	
	AGGREGATE SHOULDERS	2700	
	LEVEL 2, 3/8" DENSE, PG 64-22, ACP	5500	TN
	LEVEL 2, 3/8" DENSE, PG 64-22, ACP IN LEVELING	2900	
	LEVEL 2, 1/2" DENSE, PG 64-22, ACP IN BASE PLUG	375	TN
749.095	EXTRA FOR ASPHALT APPROACH		EA
749.150	EXTRA FOR ASPHALT ROAD CONNECTIONS		EA
810.250	GUARDRAIL TRANSITION	4	EA
810.300	EXTRA FOR 8' POSTS	12	EA
810.302	EXTRA FOR 11' POSTS	6	EA
810.320			EA
810.350	GUARDRAIL TERMINAL, NON-FLARED	4	EA
810.500	GURADRAIL, MIDWEST	50	FT

861.050	STRIPING LAYOUT	1	LS
1030.228	NATIVE PLANT SEEDING	1	LS
1070.100	SINGLE MAILBOX SUPPORTS	18	EA
1070.650	MAILBOX, LOCKING, WITH NUMBERS	1	EA
9999.412	TEMPORARY CENTERLINE DELINEATION	1977	EA

EXISTING STRUCTURE ADJUSTMENTS

Minor Adjustment of Boxes

Station	Offset	Туре	Notes
45+52	Lt 2'	Monument	
59+30	Lt 2'	Monument	
110+29	Lt 1'	Monument	

COLD PLANE PAVEMENT REMOVAL OF ROADWAYS

Station	Length	Width	Depth	SY	Notes
0+00	50.0'	Varies	2.0" - 0"	222.6	Begin Project Butt Joint
118+00	60.0'	7.0'	2.0" - 0"	46.7	Curb Grind Along PCC Driveway
121+50	60.0'	7.0'	2.0" - 0"	46.7	Curb Grind Along PCC Driveway
127+55	110.0'	22.0'	0" – 2.0"	268.9	Butt Joint on West Side of Bridge
131+81	110.0'	22.0'	2.0" - 0"	268.9	Butt Joint on East Side of Bridge
196+19	50.0'	21.0'	0" – 2.0"	116.7	Butt Joint at North Leg Hwy 214
196+82	50.0'	18.0'	0" – 2.0"	100.0	Butt Joint at South Leg Hwy 214
197+12	50.0'	Varies	0" – 2.0"	107.4	End Project Butt Joint

Cold Plane Pavement Removal, Repair Areas

<u>Locations</u> – Will be marked in the field as follows:

Course	Station	Right/ Left	Length	Width	Area (SY)	Depth	ACP Depth	ACP Tons
Plug	26+28	Right	117.0'	7.0'	91.0	3"	3"	16
Plug	27+45	Left	287.0'	7.0'	223.2	3"	3"	38
Plug	28+70	Right	82.0'	7.0'	63.8	3"	3"	11
Plug	57+36	Right	119.0'	7.0'	92.6	3"	3"	16
Plug	81+41	Both	496.0'	21.0'	1157.3	3"	3"	197
Plug	104+73	Both	112.0'	21.0'	261.3	3"	3"	45
Plug	105+85	Left	76.0'	10.0'	84.4	3"	3"	15
Plug	108+82	Left	87.0'	7.0'	67.7	3"	3"	12
Plug	109+69	Both	42.0'	21.0'	98.0	3"	3"	17

ASPHALT CONCRETE PAVEMENT

<u>Depositing ACP</u> – Furnish pick-up equipment or a transfer machine.

Mainline

Course	Station	Length	Width	Depth	Ton
Wearing	0+00	12865.0'	21.0'	2.0"	3405
Leveling	1+00	12565.0'	21.0'	1.0"	1663
No Pave	128+65	316.0'			
Wearing	131+81	6581.0'	20.0'	2.0"	1659
Leveling	133+00	6462.0'	20.0'	1.0"	815

Road Connections and Approaches

Description	Туре	Station	Length	Width	Depth	Ton
Property #10502 South	Approach	53+88	25.0'	10.0'	2"	4
Property #10502 North	Approach	55+29	20.0'	10.0'	2"	3
Property #10792	Approach	99+75	50.0'	10.0'	2"	7
Property #10921	Approach	110+60	25.0'	10.0'	2"	4
North Leg Hwy 214	Rd. Connection	196+19	215.0'	21.0'	2.0"	57
South Leg Hwy 214	Rd. Connection	196+82	140.0'	19.0'	2.0"	34

FILLED JOINT SEAL

Filled Joint Seal - Will be marked in the field at locations as shown in table below.

Refer to Section 00585 filled joint seal for details on material and installation.

Station	Joint Type	Location	Length
128+65	Filled Joint Seal	West End Bridge	27'
		#01241A	
139+36	Filled Joint Seal	West End Bridge	28'
		#01241A	
131+81	Filled Joint Seal	East End Bridge	27'
		#01241A	

Project # 6 North Howell Rd NE Rd #:633-010

FROM: Saratoga Dr Ne

TO: Nusom Rd

Length: 1.050 Miles Width - Old: 20.0' New: 20.0'

Item #	Description	Notes	Quantity	Units
225.276	TEMPORARY REMOVABLE TAPE		40	FT
225.450	PORTABLE CHANGEABLE MESSAGE SIGNS		6	EA
225.490	FLAGGERS		170	HR
225.510	PILOT CARS		50	HR
620.110	COLD PLANE PAVEMENT REMOVAL, BUTT JOINTS		200	SY
641.190	AGGREGATE SHOULDERS		620	TN
745.205	LEVEL 2, 3/8" DENSE, PG 64-22, ACP		1100	TN
745.225	LEVEL 2, 3/8" DENSE, PG 64-22, ACP IN LEVELING		775	TN
861.050	STRIPING LAYOUT		1	LS
	SINGLE MAILBOX SUPPORTS			EA
9999.412	TEMPORARY CENTERLINE DELINEATION		550	EA

COLD PLANE PAVEMENT REMOVAL OF ROADWAYS

Station	Length	Width	Depth	SY	Notes
0+00	50.0'	Varies	1.5" - 0"	199.6	Begin Project Butt Joint

ASPHALT CONCRETE PAVEMENT

<u>Depositing ACP</u> – Furnish pick-up equipment or a transfer machine.

<u>Mainline</u>

Course	Station	Length	Width	Depth	Ton
Wearing	0+00	5543.0'	20.0'	1.5"	1048
Leveling	0+50	5443.0'	20.0'	1.0"	686

Project # 7 REFLECTIVE PAVEMENT MARKERS

Various Roads

Item #	Description	Notes	Quantity	Units
225.510	PILOT CARS		80	HR
860.200	BI-DIRECTIONAL YELLOW TYPE I		2145	EA

Raised Reflective Marker Locations and Quantities:

Road Name	Begin	End	Length	Yellow
Mckee School Rd	Monitor-Mckee Rd	St Hwy 214	9,569'	240
Monitor-Mckee Rd	Howell Prairie Rd	Woodburn-Monitor Rd	30,477	762
114 th Ave / Waypark Dr	W. Church Rd	Howell Prairie Rd	13,750'	344
114 th Ave / W.	Hook Rd	Mt Angel City Limit	6,177'	155

Church Rd				
Saratoga Dr / Hook Rd	Howell Prairie Rd	Mt Angel Hwy	19,769'	495
North Howell Rd	80' East of Cordon Rd	Howell Prairie Rd	5,943'	149

MAILBOX WORK LIST

2025 Marion County Resurfacing ECMS 2025-101

All Mailbox Work Is Subject To Change

Address	Tasks	Notes				
	#1 Mckee School Rd					
12549	New Single Support					
12788	New Single Support, New Mailbox					
	With Numbers					
12809	No Change					
12839	No Change	Locking Box				
13009	New Single Support	Locking Box				
13098	No Change	Locking Box, 2 Paper Boxes				
13118	New Single Support	1 Paper Box				
13369	No Change					
13358	New Single Support	Locking Box, 1 Paper Box				
13489	No Change	Oversize Box				
13488	No Change	Locking Box				
13508	New Single Support					
13589	New Single Support	Oversize Box, 1 Paper Box				
13629	New Single Support, New Mailbox	1 Paper Box				
	With Numbers					
13758	New Single Support	Oversize Box, 1 Paper Box				
14008	No Change	Locking Box, 1 Paper Box				
14108	No Change					
14210	New Single Support					
14208	New Single Support	2 Paper Boxes				

#2 Monitor-Mckee Rd				
9916	No Change			
9966	No Change			
9976	No Change			
9986	No Change			
10136	No Change			
10166	No Change			
10315	New Single Support			
10536	New Single Support	2 Paper Boxes		
10816	No Change			
10895	No Change			

10906	New Single Support	Oversize Box
11465	New Single Support	1 Paper Box
11555	New Single Support	Locking Box
11395	New Single Support	
11705	New Single Support	
11796	New Single Support	1 Paper Box
11875	New Single Support	
11976	New Single Support	1 Paper Box
12096	No Change	
12506	No Change	Locking Box
12666	New Single Support	Locking Box
12668	No Change	
12706	New Single Support	1 Paper Box
12745	No Change	1 Paper Box
13105	No Change	
13705	New Single Support	
13905	New Single Support	
13998	New Single Support	
14006	New Single Support	Oversize Box
14346	New Single Support	
14486	No Change	
14535	No Change	
14686	New Single Support	Locking Box
14736	No Change	
14835	New Single Support	

#3 114 th / Waypark Dr				
10825	New Single Support	1 Paper Box		
10105	New Single Support	1 Paper Box		

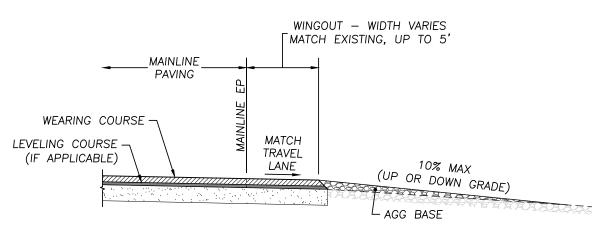
#4 114 th / W. Church Rd				
11471	New Single Support			
11451	No Change	Locking Box		
9918	New Single Support			
9922	No Change	Locking Box		
9982	No Change			
11464	New Single Support	Locking Box		
12324	New Single Support	2 Paper Boxes		

#5 Saratoga / Hook Rd		
9510, 9504, 9521	No Change	
9822, 9821	No Change	
9991	No Change	Locking Box
9990	New Single Support	

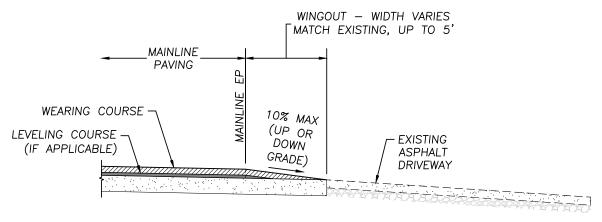
9992	New Single Support	1 Paper Box	
10352	New Single Support	Locking Box, 1 Paper Box	
10502	New Single Support		
10531	No Change		
10542	New Single Support	1 Paper Box	
10572	No Change		
10581	New Single Support		
10551	New Single Support		
10553	New Single Support		
10611	No Change		
10792	New Single Support		
10921	No Change		
10991	No Change	Locking Box	
11010	New Single Support	2 Paper Boxes	
11091	New Single Support		
11101	New Single Support		
11451	New Single Support	Locking Box	
11471	New Single Support		
11531	New Single Support	3 Paper Boxes	
11580	New Single Support		
11671	New Single Support	3 Paper Boxes	
11690	No Change	Locking Box	
11750	No Change	Locking Box, 1 Paper Box	
12080	New Single Support	3 Paper Boxes	

#6 North Howell Rd		
7675	New Single Support	
7776	New Single Support	
7886	New Single Support	
8015	New Single Support	
8326	New Single Support	

#7 Reflective Pavement Markers
No Work



GRAVEL DRIVEWAY WINGOUT DETAIL
SCALE: N.T.S.



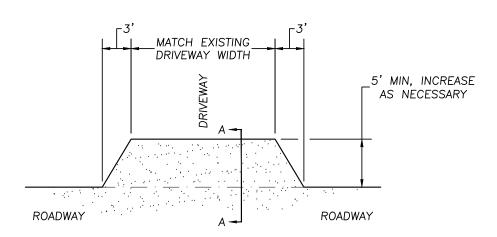
2) ASPHALT DRIVEWAY WINGOUT DETAIL SCALE: N.T.S.

MARION COUNTY DEPARTMENT OF PUBLIC WORKS

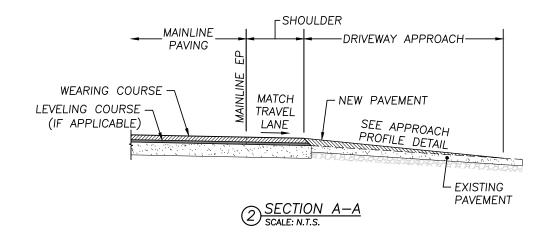


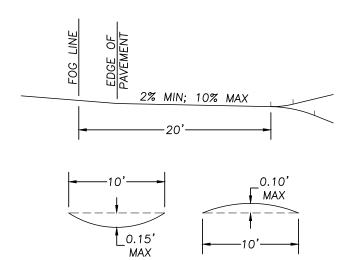
RESURFACING
DRIVEWAY WINGOUT
DETAIL

SHEET D — 1



DRIVEWAY APPROACH DETAIL
SCALE: N.T.S.





3 APPROACH PROFILE DETAIL SCALE: N.T.S.

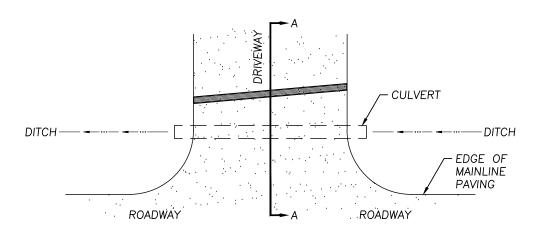
MAXIMUM SAG

MARION COUNTY DEPARTMENT OF PUBLIC WORKS

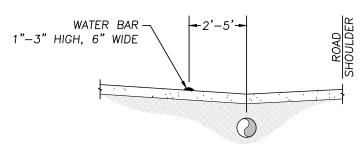


RESURFACING DRIVEWAY APPROACH DETAIL

MAXIMUM CREST



DRIVEWAY WATER BAR DETAIL SCALE: N.T.S.



SECTION A-A SCALE: N.T.S.

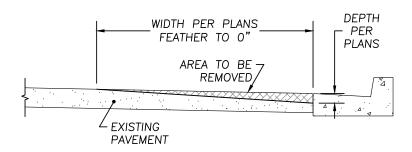
NOTES:

- 1. ON BOTH PAVED AND GRAVEL DRIVEWAYS, WATER BARS ARE REQUIRED ON SLOPES GREATER THAN 10%
- 2. ASPHALT WATER BARS REQUIRE A TACK COAT OF LIQUID ASPHALT TO BE APPLIED BEFORE BUILDING THE BERM
- 3. THE WATER BARS ARE TO BE OF ADEQUATE ELEVATION AND WIDTH TO ENSURE THAT THE WATER RUNOFF WILL NOT FLOW ONTO COUNTY ROAD SHOULDERS OR TRAVELLED WAY
- 4. WATER BARS SHALL BE 2' TO 5' MEASURED FROM THE CENTER OF THE CULVERT OR A MINIMUM OF 5' MEASURED FROM THE EDGE OF PAVEMENT

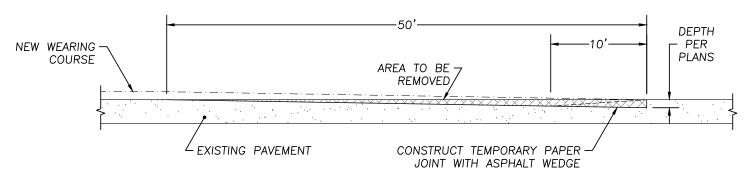
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RESURFACING DRIVEWAY WATER BAR DETAIL



1 LONGITUDINAL PAVEMENT REMOVAL DETAIL SCALE: N.T.S.

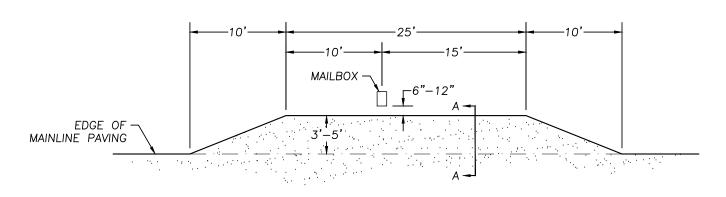


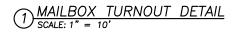
2 TRANSVERSE PAVEMENT REMOVAL DETAIL SCALE: N.T.S.

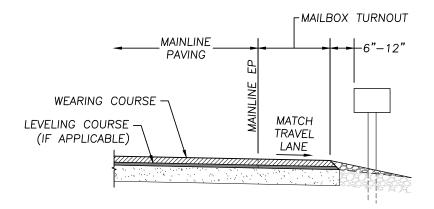
MARION COUNTY DEPARTMENT OF PUBLIC WORKS



RESURFACING PAVEMENT REMOVAL DETAIL





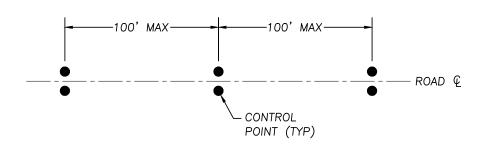


SECTION A-A
SCALE: N.T.S.

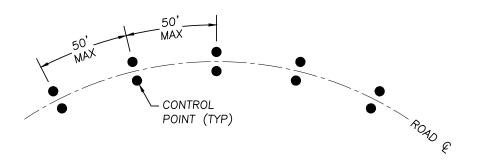
MARION COUNTY DEPARTMENT OF PUBLIC WORKS



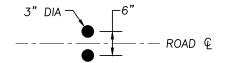
RESURFACING MAILBOX TURNOUT DETAIL



1 ALIGNMENT LAYOUT - TANGENT SECTIONS SCALE: N.T.S.



2 ALIGNMENT LAYOUT — CURVE SECTIONS SCALE: N.T.S.



3 CONTROL POINT DETAIL
SCALE: N.T.S.



4 EDGE LINE CONTROL POINT DETAIL SCALE: N.T.S.

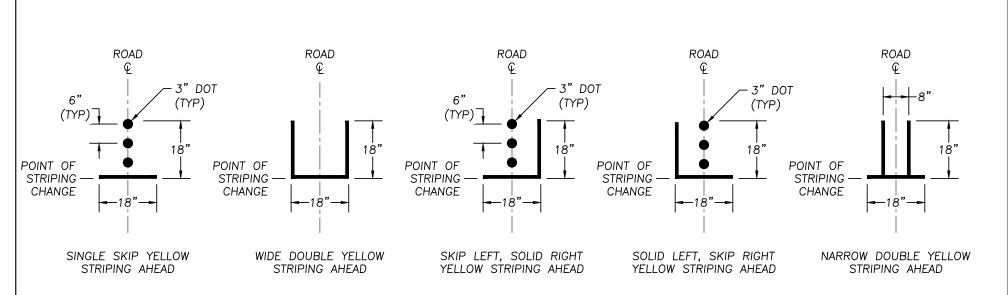
NOTES:

- 1. USE CHROME/SILVER PAINT FOR ALL MARKINGS
- 2. EDGE LINE ALIGNMENT LAYOUT TO ASSUME SAME FREQUENCY AS CENTERLINE ALIGNMENT LAYOUT

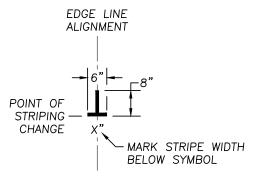
MARION COUNTY DEPARTMENT OF PUBLIC WORKS



RESURFACING
ALIGNMENT LAYOUT
MARKING DETAIL

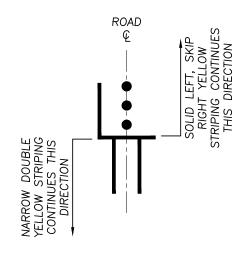


(1) CENTERLINE STRIPING LAYOUT MARKINGS



SINGLE WHITE STRIPING AHEAD (USED FOR FOG AND BIKE LANE)

EDGE LINE STRIPING LAYOUT MARKING SCALE: N.T.S.



EXAMPLE STRIPING LAYOUT MARKING
SCALE: N.T.S.

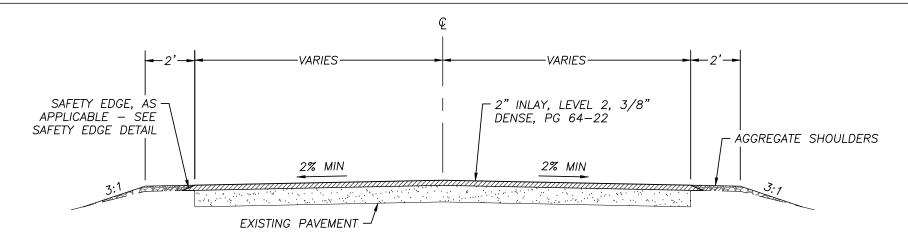
NOTES:

- 1. WHEN CHANGING STRIPING PATTERNS, MARK LAYOUT MARKINGS IN EITHER DIRECTION RELATIVE TO PATTERN CHANGE (SEE EXAMPLE DETAIL)
- 2. USE CHROME/SILVER PAINT FOR ALL MARKINGS
- 3. MARKING LINES TO BE 1" WIDE MIN

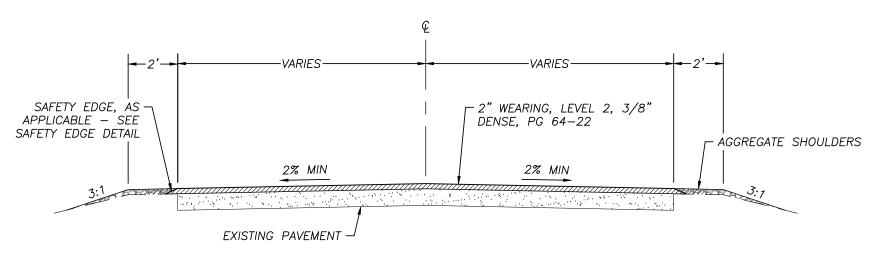
MARION COUNTY DEPARTMENT OF PUBLIC WORKS



RESURFACING STRIPING LAYOUT MARKING DETAIL







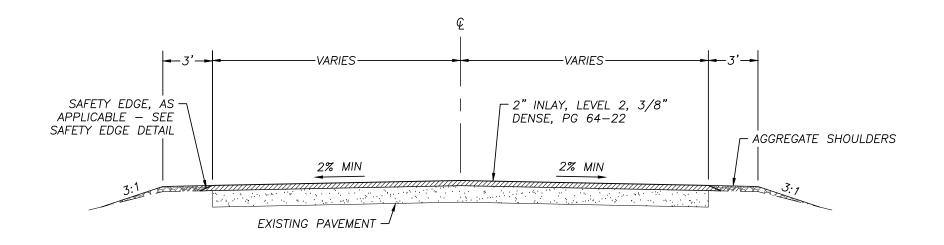


MARION COUNTY DEPARTMENT OF PUBLIC WORKS



RESURFACING 2025 MCKEE SCHOOL RD NE TYPICAL SECTION

ECMS NO: | PROJECT NO: | SCALE: | 2025-101 | 1 | N.T.S



1 INLAY TYPICAL SECTION SCALE: N.T.S. 0+00 - 86+23 108+35 - 123+85 135+52 - 165+62

MARION COUNTY DEPARTMENT OF PUBLIC WORKS



RESURFACING 2025 MONITOR MCKEE RD NE TYPICAL SECTION

CMS NO:	PROJECT NO:	SCALE:	SHEET:
025-101	2	N.T.S	T-2

2025-101

N.T.S

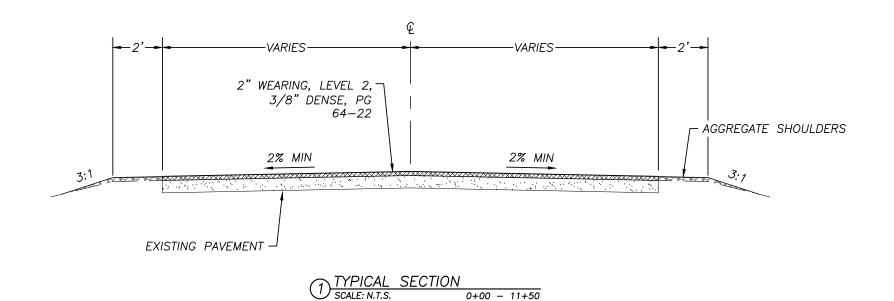
T-3

ECMS NO:

2025-101

PROJECT NO:

N.T.S



48+50 - 56+07

MARION COUNTY DEPARTMENT OF PUBLIC WORKS

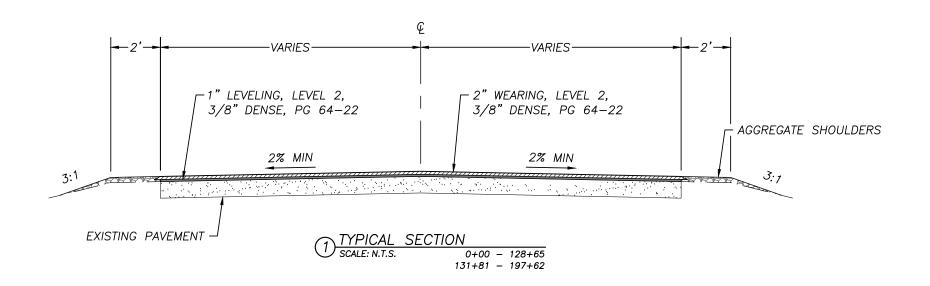


RESURFACING 2025 114TH AVE/W. CHURCH RD NE TYPICAL SECTION

ECMS NO:	PROJECT NO:	SCALE:	SHEET:
2025-101	4	N.T.S	T-5

2025-101

N.T.S

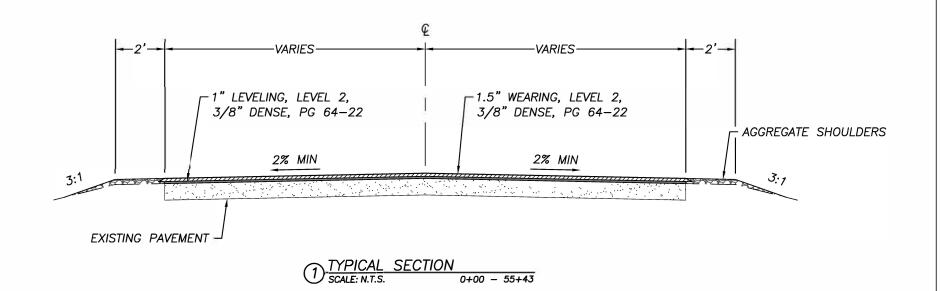


MARION COUNTY DEPARTMENT OF PUBLIC WORKS



RESURFACING 2025 SARATOGA DR/HOOK RD NE TYPICAL SECTION

CMS NO:	PROJECT NO:	SCALE:	SHEET:
2025-101	5	N.T.S	T-7



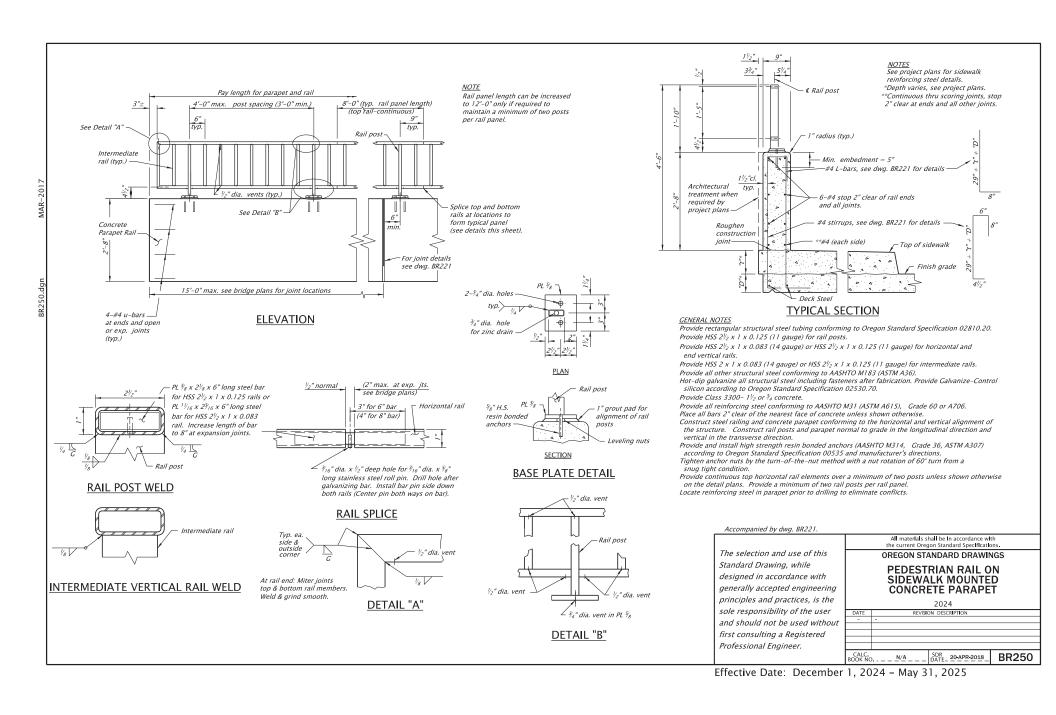
MARION COUNTY DEPARTMENT OF PUBLIC WORKS

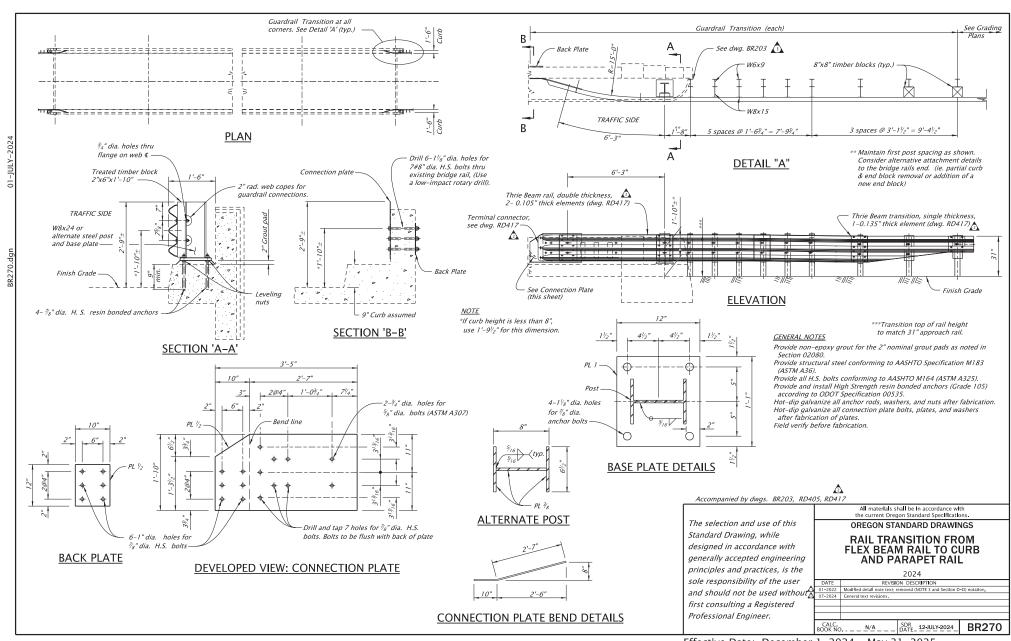


RESURFACING 2025 NORTH HOWELL RD NE TYPICAL SECTION

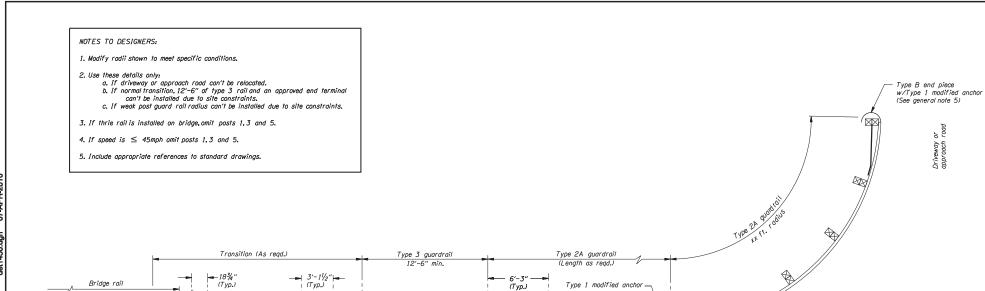
ECMS	NO:
2025	5-101

ROJECT NO: 6 SCALE: N.T.S SHEET: T-8





Effective Date: December 1, 2024 - May 31, 2025



PLAN

GENERAL NOTES FOR ALL DETAILS:

1. For transition details, see appropriate Bridge Standard Drawings.

3

5

Post placement will vary with bridge rail type

- 2. Place radius identification plate (For details, see drg. no. RD415).
- 3. Shop fabricate all radius rail to dimensions shown.
- 4. 5' radius minimum allowable.
- 5. Anchor and end piece shown are to be used only for private driveways/approach roads. An approved end treatment is required on public roadways.

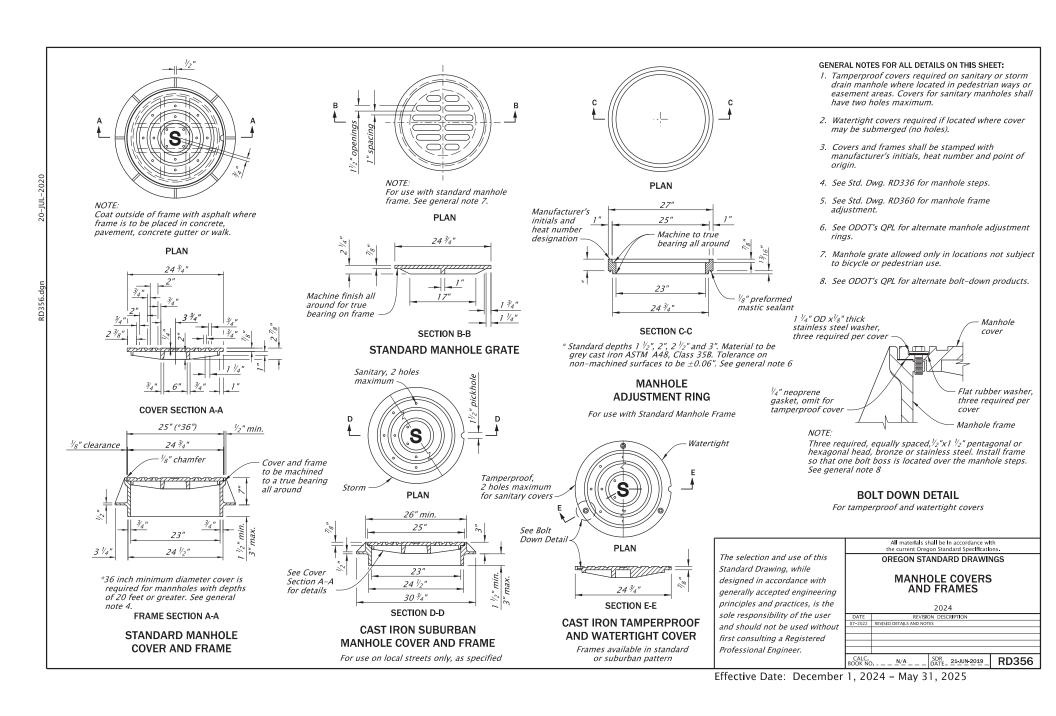
The selection and use of this detail, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

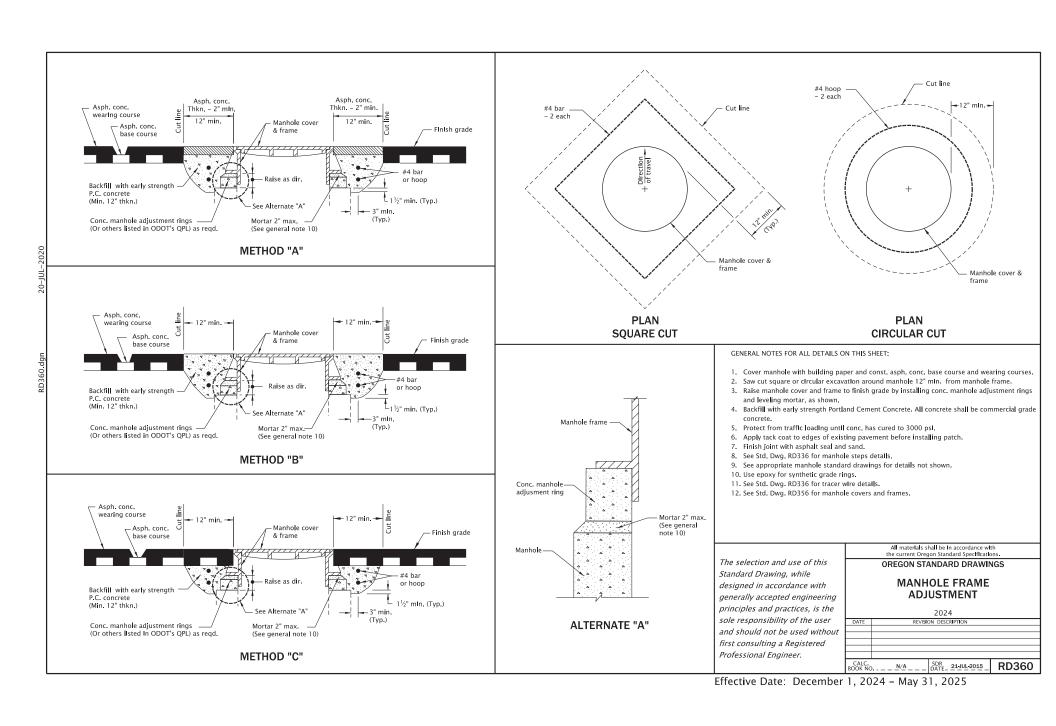
OREGON DEPARTMENT OF TRANSPORTATION TECHNICAL SERVICES
DETAILS

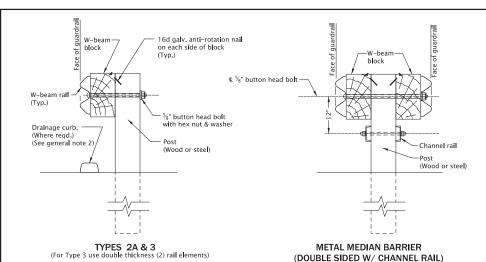
or road

BRIDGE RAIL END PROTECTION (TYPE 2A RAIL)

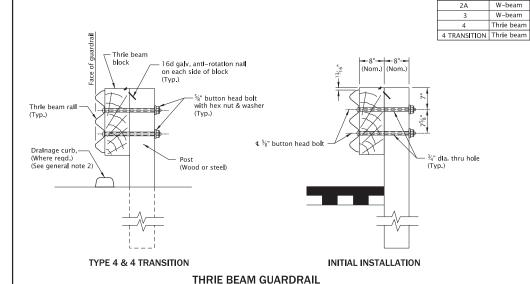
DETAIL NO. DET1450

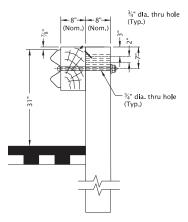






W-BEAM GUARDRAIL





TYPICAL INSTALLATION

W-BEAM GUARDRAIL ASSEMBLY

NORMAL RAIL ELEMENT DATA

EFFECTIVE LENGTHS

6.25', 12.5', 25'

6.25', 12.5', 25'

6.25', 12.5', 25'

6.25'

GAUGE

10 & 12

10 & 12

10 & 12

10 & 12

RAIL

TYPE

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- 1. See appropriate guardrall standard drawing(s) for details not shown.
- 2. When required by the plans, Drainage curb alignment same as face of guardrall.
- 3. Orient post bolts with the button head located on the side nearest the traffic lane. The bolt's threaded portion is not permitted to extend beyond limits of $\frac{1}{4}$ ° to $\frac{1}{2}$ ° from the face of the tightened nut; trim the treated portion as needed.
- 4. Lap guardrall in direction of adjacent traffic.
- 5. Final paved surfacing to extend to face of post, Rall height measured from final paved surface at face of rail (Typical all types). 1" \pm tolerance.
- 6. Wood block shall be toe-nailed to the post with 2 16d galvanized nails in top of block to prevent block rotation.
- 7. Wood blocks shown. Blocks of an approved alternate material may be used. See ODOT's OPL.
- Existing posts shall not be raised.
 Replace posts as necessary to achieve required guardrail height.

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS

MIDWEST GUARDRAIL
SYSTEM TYPES

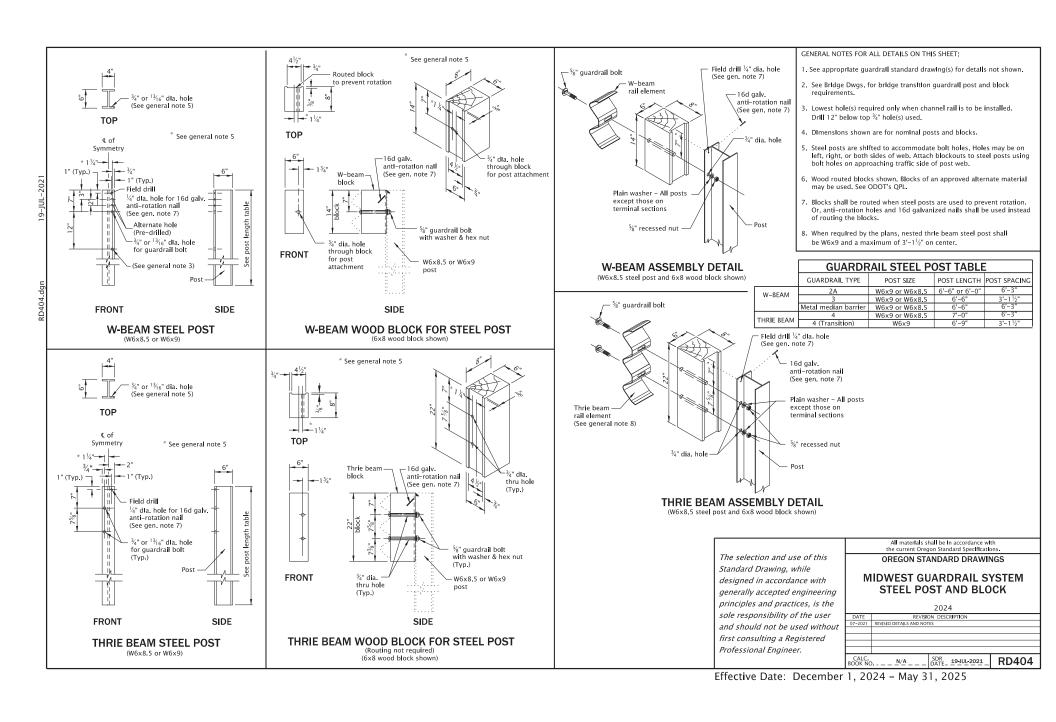
All materials shall be in accordance with the current Oregon Standard Specifications.

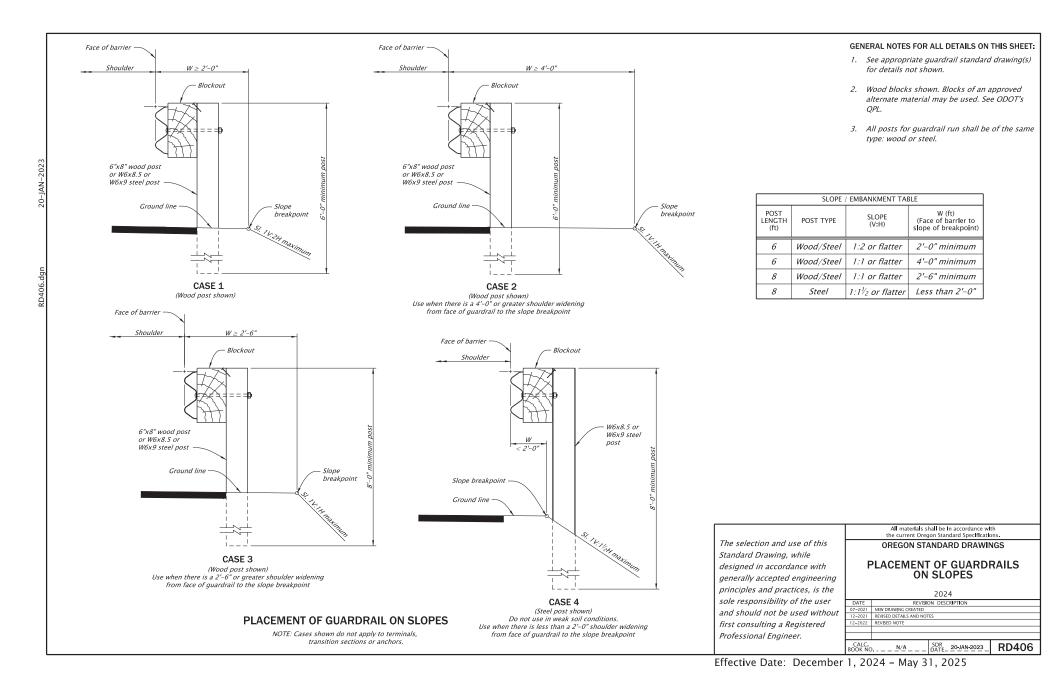
ATE REVISION DESCRIPTION
2021 REVISED DETAILS AND NOTES

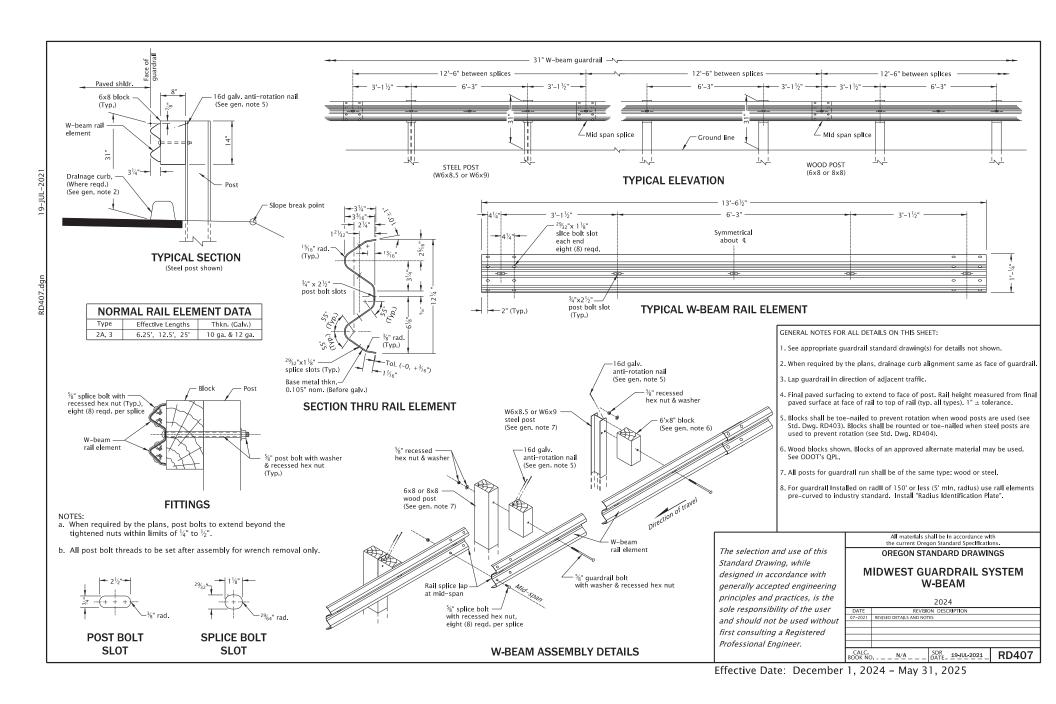
SDR DATE_ 19-JUL-2021 RD402

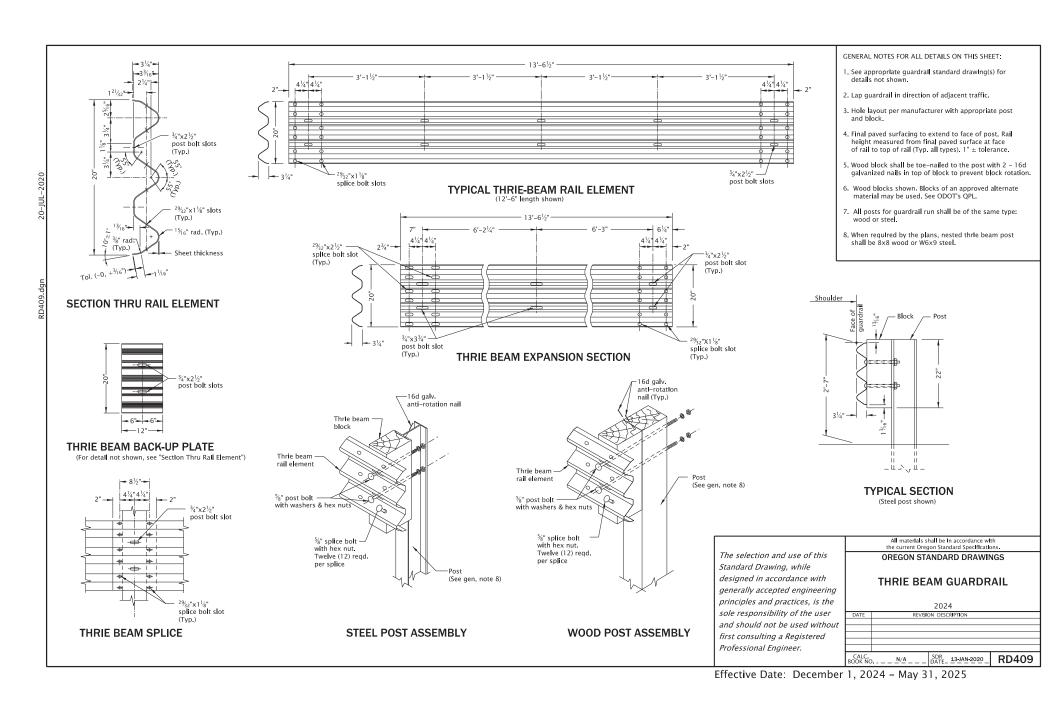
Effective Date: December 1, 2024 - May 31, 2025

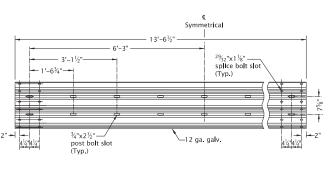
CALC. BOOK NO.







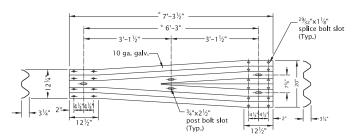




THRIE BEAM RAIL ELEMENT 1/4 POST SPACING

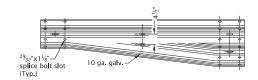
(12'-6" section shown)

* See general note 4



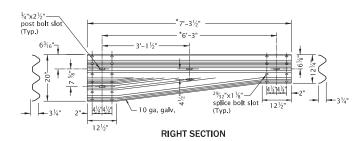
SYMMETRICAL THRIE BEAM TRANSITION ELEMENT

(Left section shown, right section reversed)



LEFT SECTION

(Reverse of right section)



TYPICAL THRIE BEAM TRANSITION ELEMENT

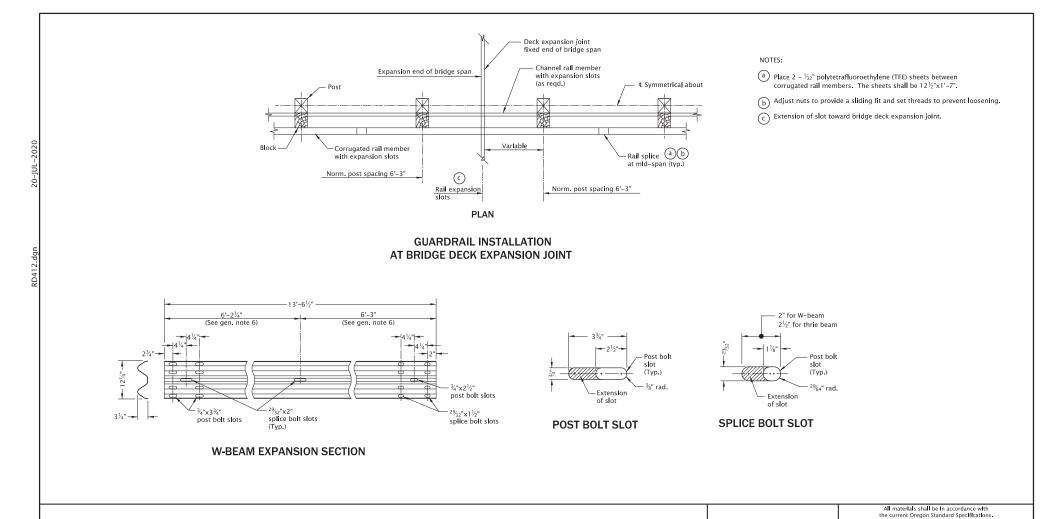
GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- 1. See appropriate guardrail standard drawing(s) for details not shown.
- 2. See appropriate bridge standard drawing(s) for transition guardrall detail and installation limits at bridge ends.
- 3. All rall sections shall be lapped in the direction of adjacent traffic.
- 4. Slot layout per manufacturer with appropriate post and block.

All materials shall be in accordance with the current Oregon Standard Specifications. The selection and use of this OREGON STANDARD DRAWINGS Standard Drawing, while THRIE BEAM GUARDRAIL designed in accordance with **TRANSITION** generally accepted engineering principles and practices, is the 2024 sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer. CALC. BOOK NO. SDR DATE 13-JAN-2020

Effective Date: December 1, 2024 - May 31, 2025

RD410



GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- 1. See appropriate guardrail standard drawing(s) for details not shown.
- 2. Median barrier post spacing shall be 6'-3" on centers.
- 3. Lap guardrail in direction of adjacent traffic.
- 4. Wood blocks shall be toe-nailed to post with 16d galvanized nails to prevent block rotation.
- 5. Wood blocks shown. Blocks of an approved alternate material may be used. See ODOT's QPL.
- 6. Spacing may vary depending on application.

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

MIDWEST GUARDRAIL SYSTEM INSTALLATION AT BRIDGE DECK EXPANSION JOINT 2024 DATE REVISION DESCRIPTION

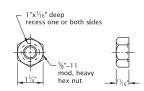
OREGON STANDARD DRAWINGS

DATE REVISION DESCRIPTION

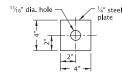
CALC.
BOOK NO... N/A | SDR | 13-JAN-2020 | RD412

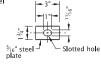
Effective Date: December 1, 2024 - May 31, 2025





5/8" DIA. RECESSED HEX NUT







W6x9 steel

post to be vertical.

Concrete top of

box culvert, etc.

Height as reqd.

PLAIN WASHER® Use on back of post.



SNOW LOAD ® **RAIL WASHER**

Use in area of heavy snow, as directed by the engineer (See general note 6)

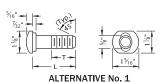
> 10"x6"x5%" base plate

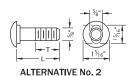
1½" mIn.

grout pad

34" bolt, or resin

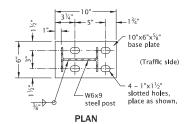
bonded anchor



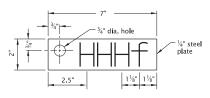


BOLT DIMENSION TABLE

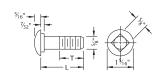
Thread Length
(T) (in.)
1 ½ min.
1¾ min.
4 min.
4 mln.
4 min.



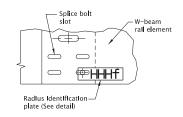
5/8" GUARDRAIL POST/SPICE BOLT (BUTTON HEADED)

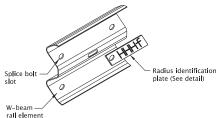


(See general note 4)

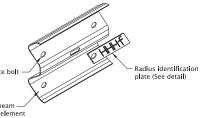


RADIUS IDENTIFICATION PLATE





%" DIA. CARRIAGE BOLT





(1)

(For additional details, see Std. Dwg. BR266) (Use when depth of cover is less than normal for post installation.)

Leveling nut & washer (4 read.) Standard Drawing, while

All materials shall be in accordance with the current Oregon Standard Specifications. OREGON STANDARD DRAWINGS MIDWEST GUARDRAIL SYSTEM STANDARD HARDWARE (NUTS, BOLTS, WASHERS AND MISC.)

REVISION DESCRIPTION CALC. BOOK NO. SDR DATE_ 13-JAN-2020 **RD416**

RADIUS IDENTIFICATION PLATE MOUNTING DETAIL

(See general note 5)

The selection and use of this designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

Effective Date: December 1, 2024 - May 31, 2025

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

welded.

terminals

SUPPLEMENTARY NOTES:

Type C End Piece as shown.

after placement of digits.

the P.C. of the guardrall radius.

1. See appropriate guardrail standard drawing(s) for details

2. For details of guardrail connections to structural handrails, see special details or Standard Drawings as called for on plans. 3. All indicated welds shall attain the full strength of the section

4. Radius dimensions, in feet to the nearest 0.5 foot, shall be placed on the plate with a raised weld bead replacing the letters "HHH",

shown on the Radius Identification Plate detail. Digits shall be

 $1\frac{1}{2}$ " min. height and $\frac{3}{4}$ " max. width. Plate shall be galvanized

5. The guardrall radius identification plate is to be mounted on the

back side of the rail element with the lowest splice bolt nearest

6. When required by the plans, a Snow Load Post Washer shall be used on the backside of the post and a Snow Load Rail Washer shall be placed on rail element face. Snow Load Rail Washers shall not be installed on

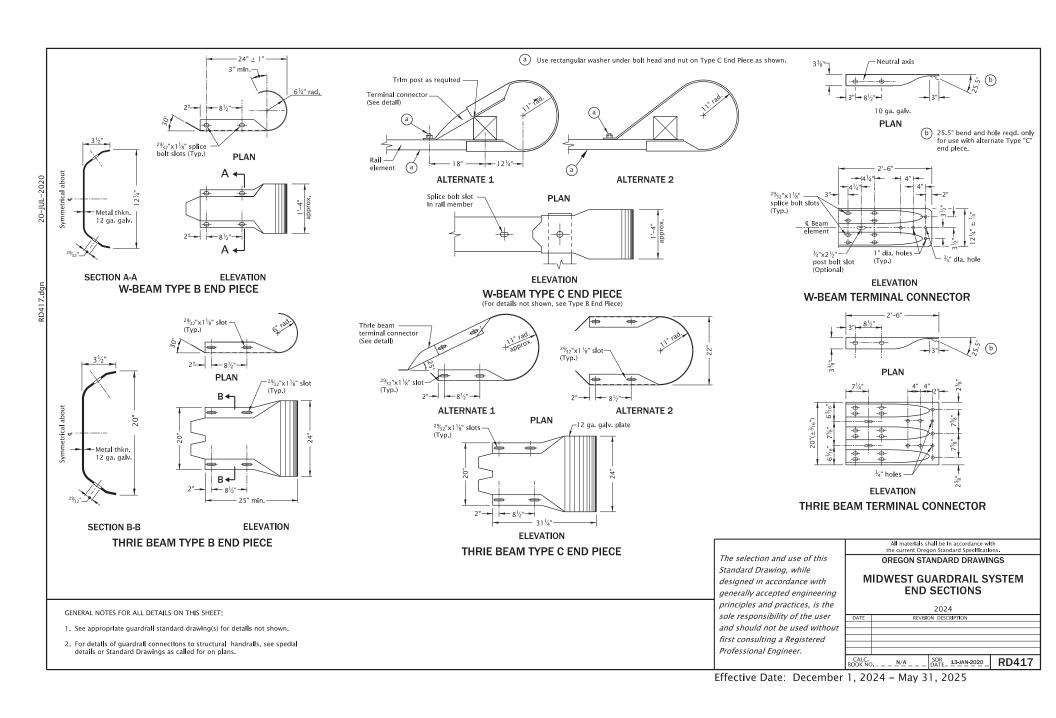
(a) Not required if Snow Load Post washer option is used.

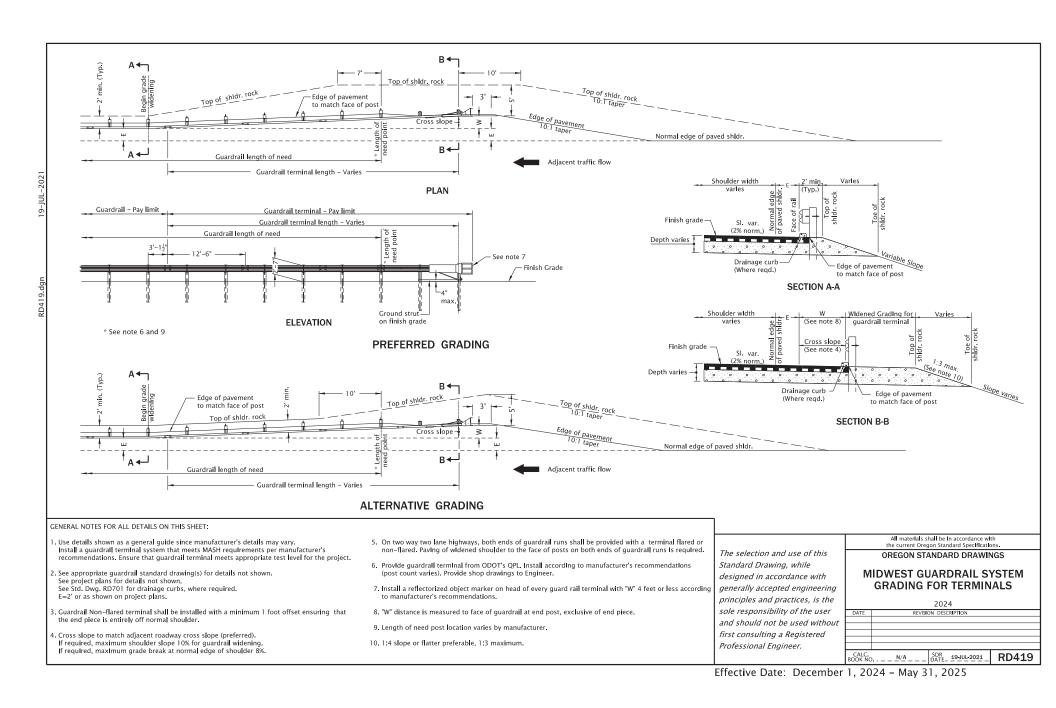
(b) Use rectangular Snow Load Rail washer under bolt head and nut on

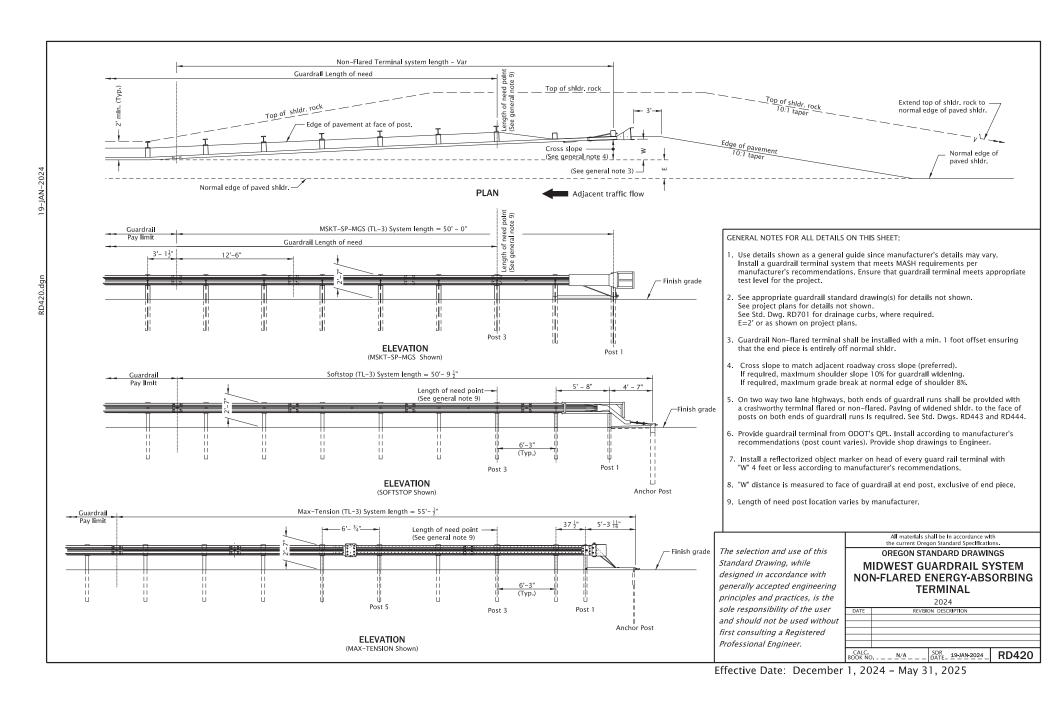
@ 6" mln. penetration into concrete slabs other than bridge decks.

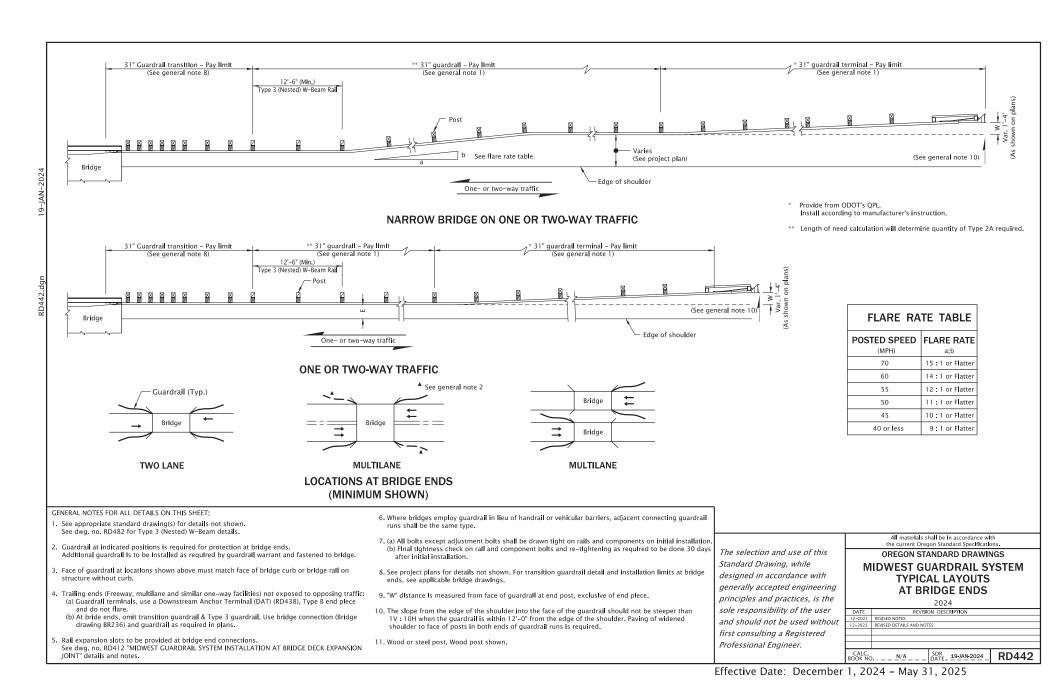
© Furnished & Installed by structure contractor when shown on structure plans.

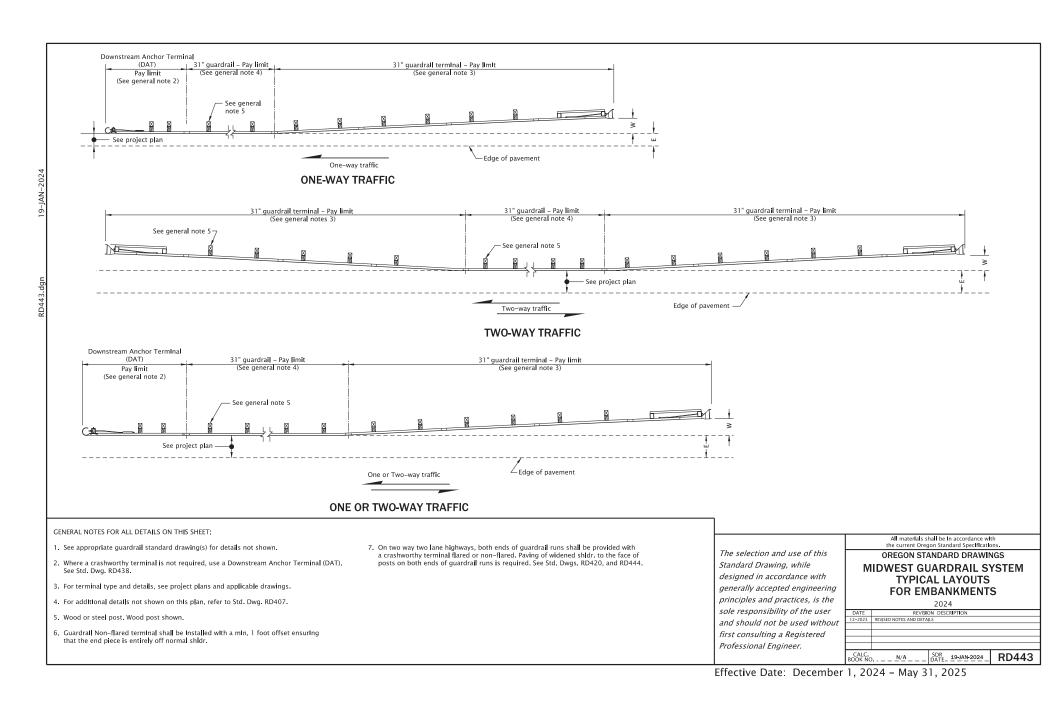
Cast in place or core and install using approved resin bonding system.

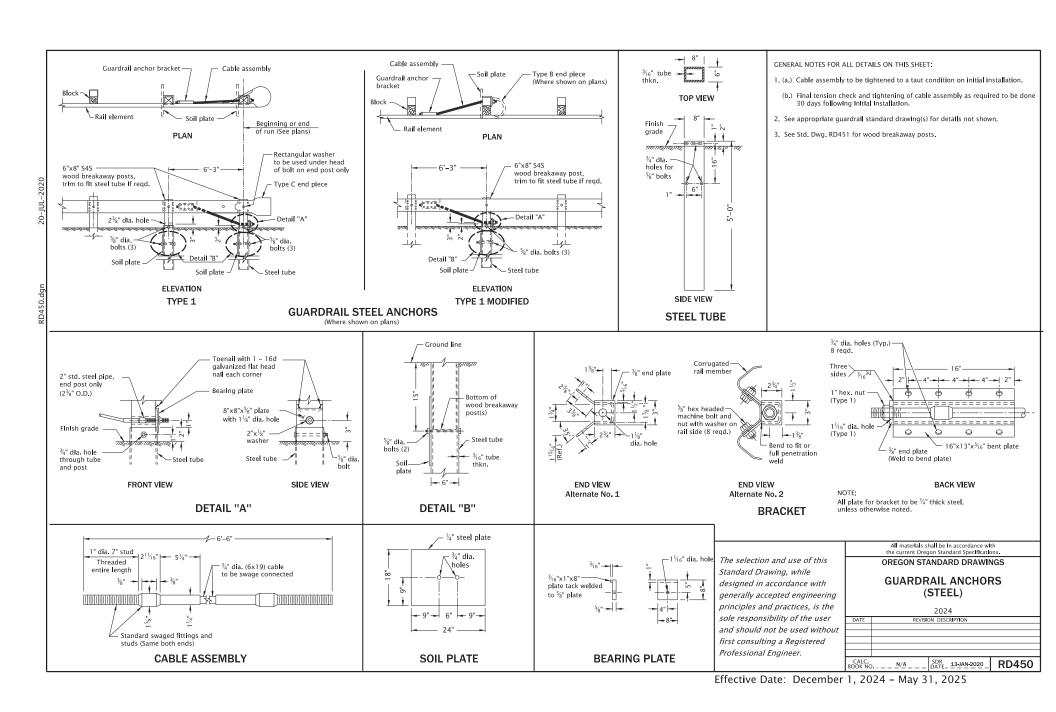


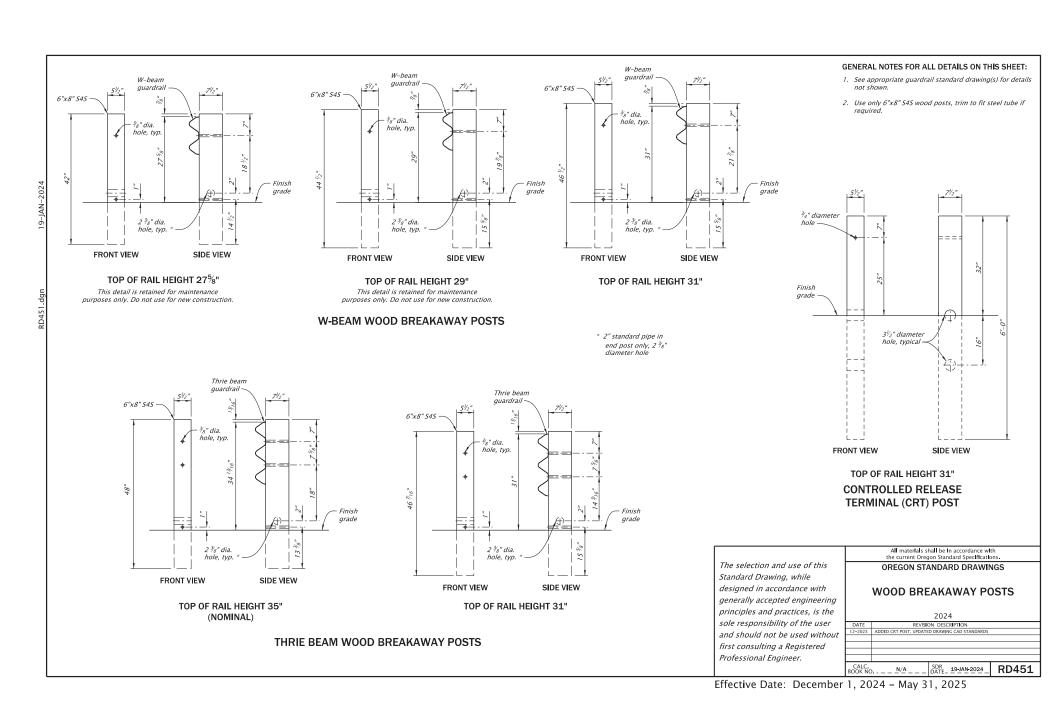


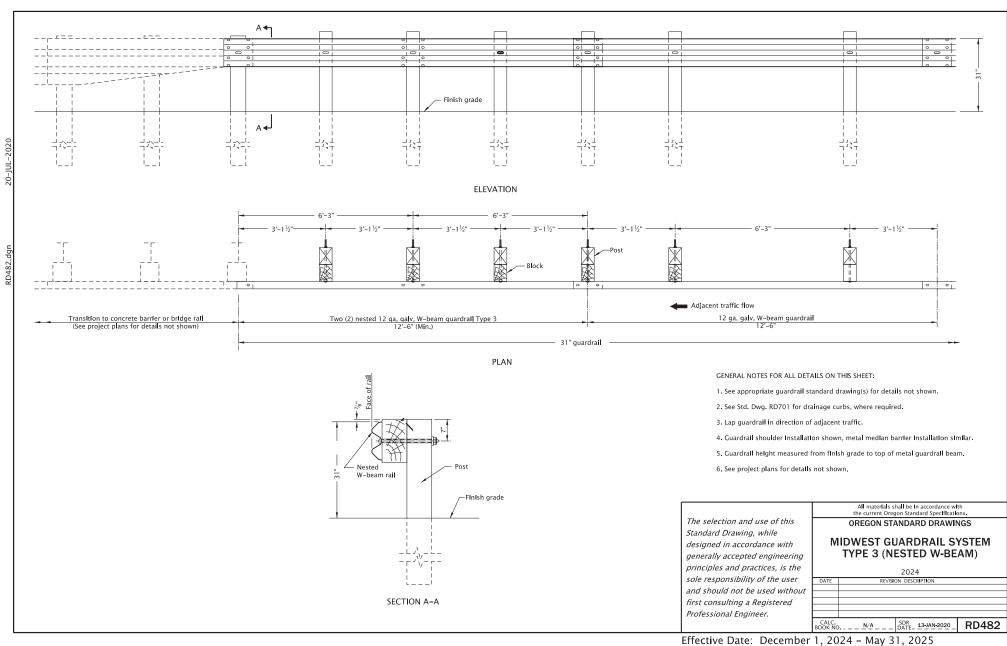


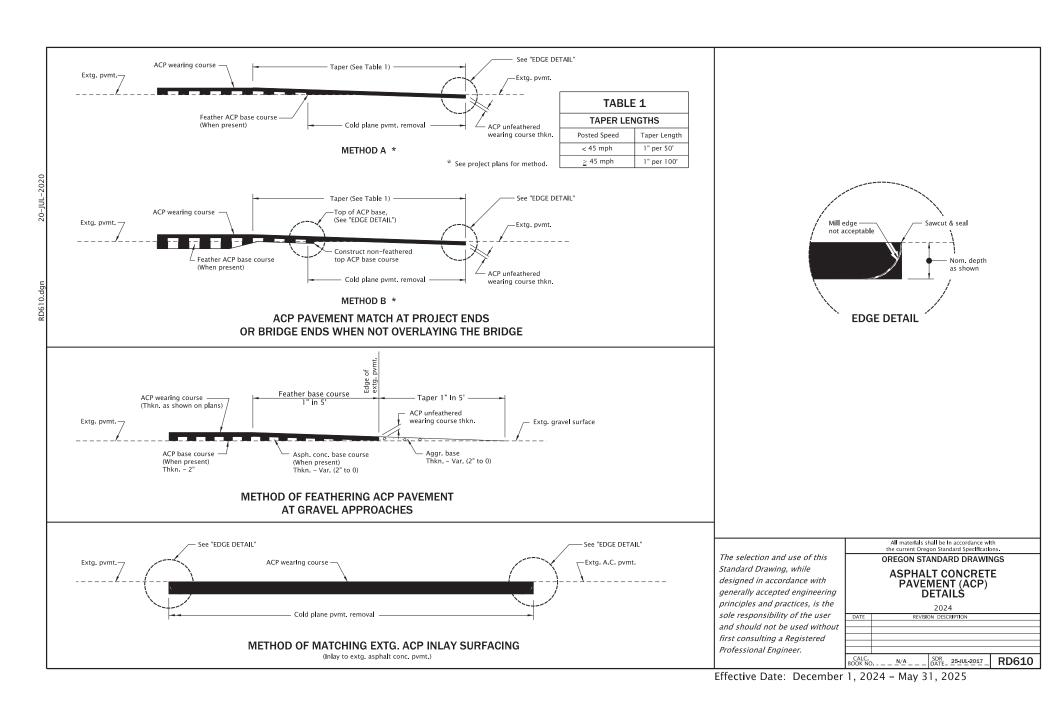


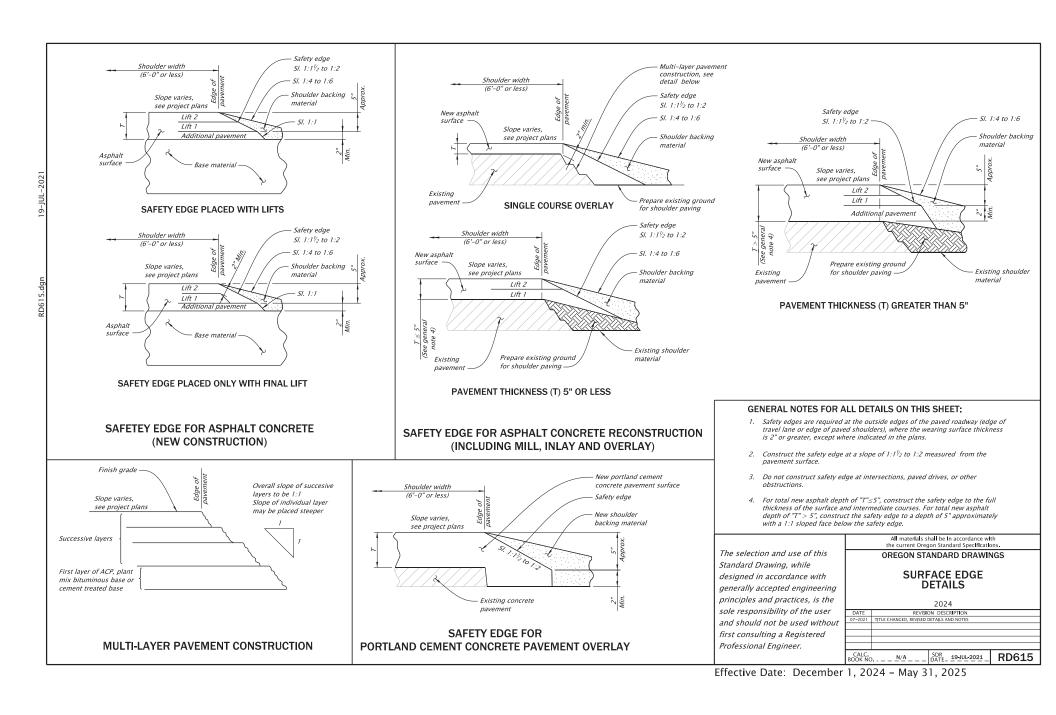


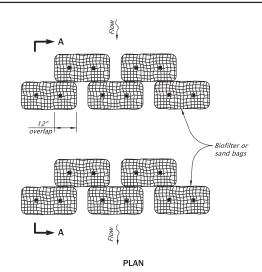


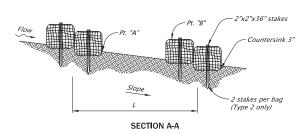










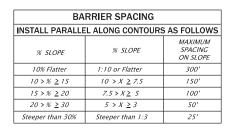


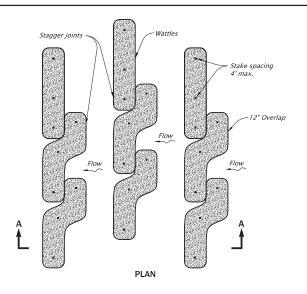
BIOFILTER BAG / SAND BAG BARRIER - TYPE 2 AND 4

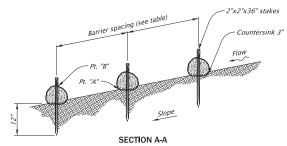
NOTES:

- 1. For Type 2 barrier, drive stakes flush with top of bag and into undisturbed ground a min. of 12". Omit stakes if bags are placed on paved surface.
- 2. For Type 2 and Type 4 barriers, space bags (L) so that the elevation of point "A" is less than or equal to the elevation of point "B".

Type 2 - Biofilter bags Type 3 - Wattles Type 4 - Sand bags







FIBER ROLL BARRIER - TYPE 3

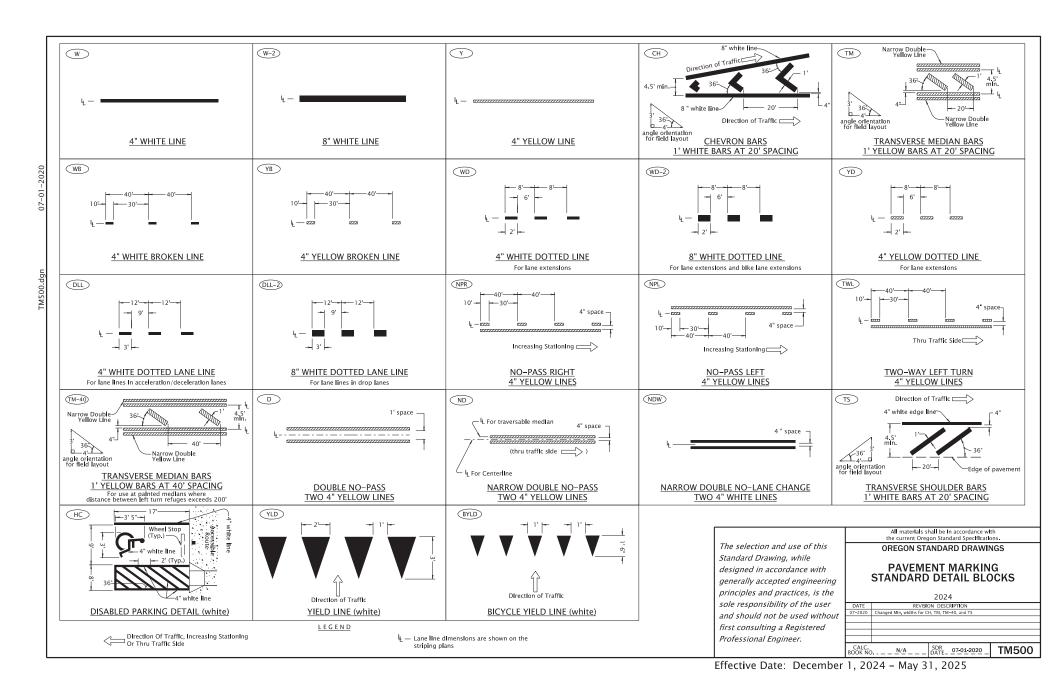
NOT TO SCALE

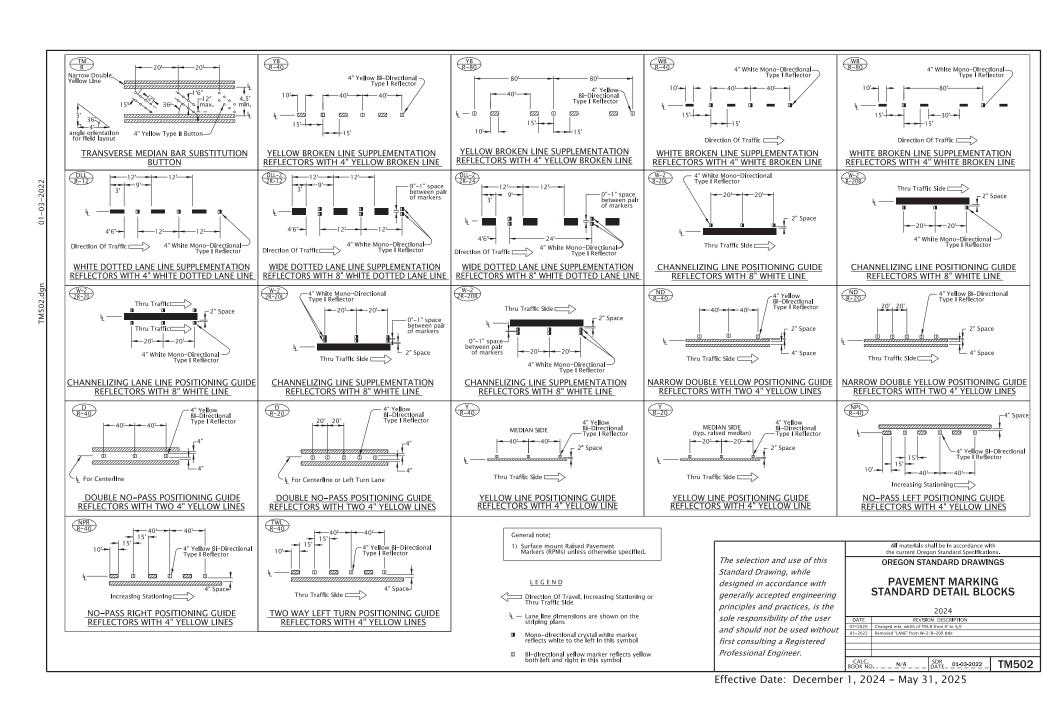
The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

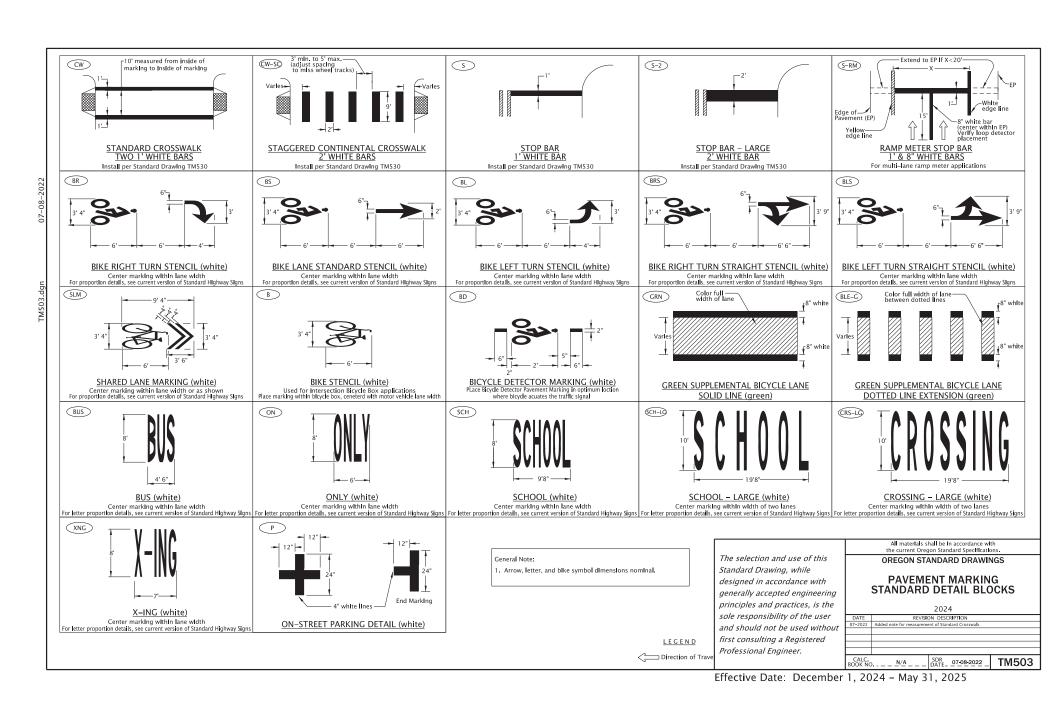
	All materials shall be in accordance with the current Oregon Standard Specifications.
	OREGON STANDARD DRAWINGS
	SEDIMENT BARRIER TYPE 2, 3 AND 4
_	REVISION DESCRIPTION
1	REMOVED CALC BOOK NUMBERS

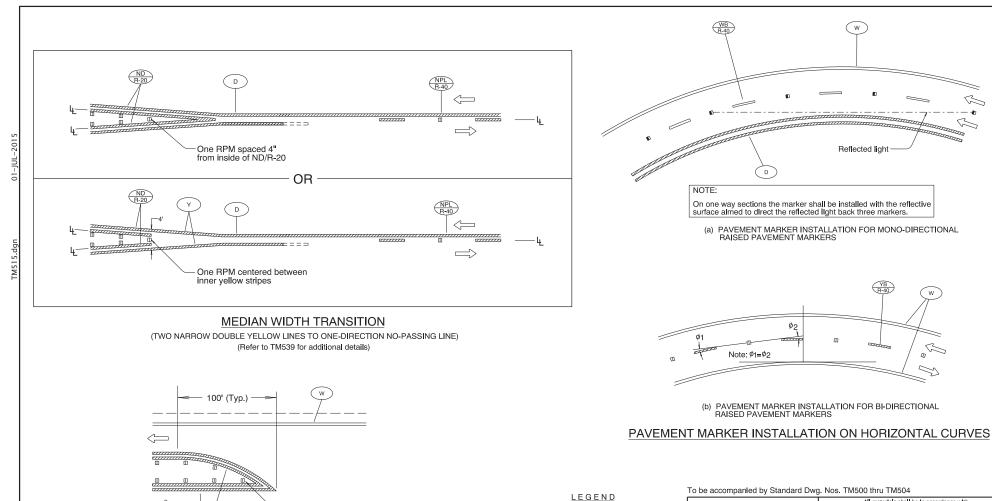
SDR DATE 20-JAN-2021

RD1030









One RPM spaced 4" from inside of ND/R-20

MEDIAN BULLNOSE DETAIL

Mono-Directional White (marker reflects white to left in this symbol)

Bi-Directional Yellow (marker reflects yellow to both the left and right in this symbol)

Increasing stationing from

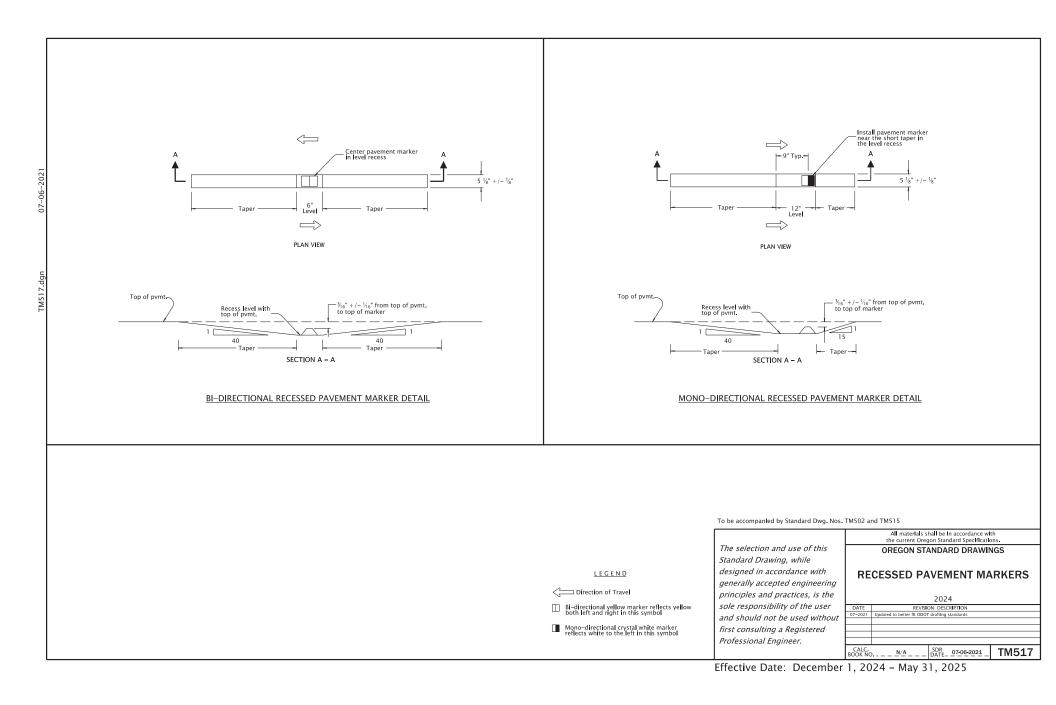
C Direction of Travel

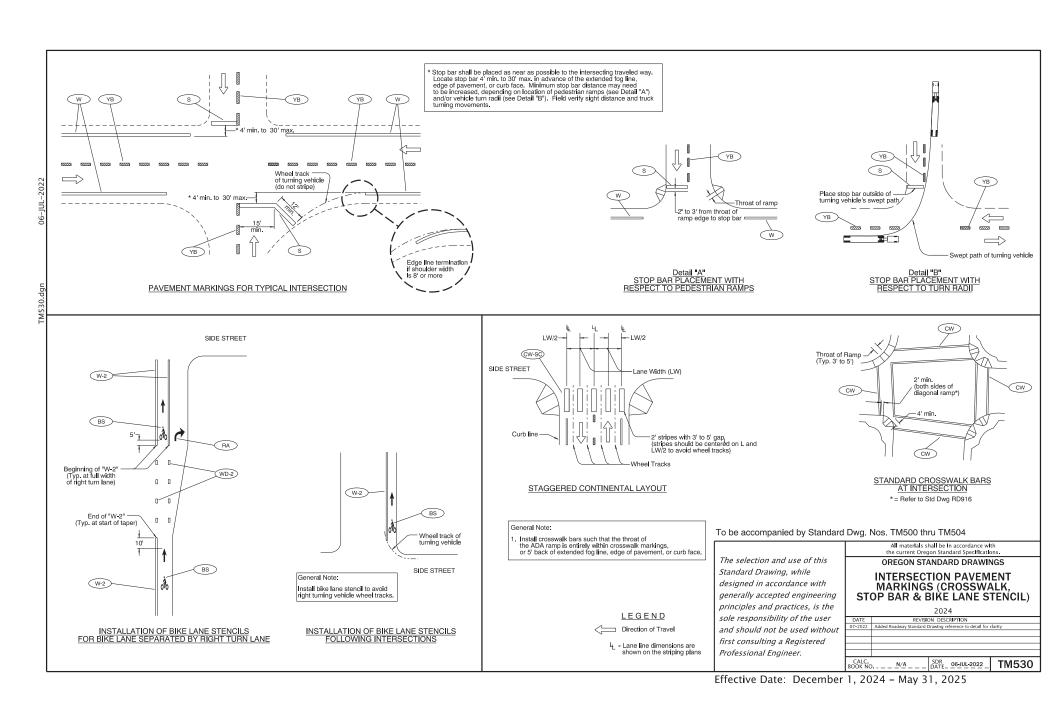
f L- Lane line dimensions are shown on the

left to right

striping plans.

All materials shall be in accordance with the current Oregon Standard Specifications. The selection and use of this OREGON STANDARD DRAWINGS Standard Drawing, while designed in accordance with **PAVEMENT MARKERS** generally accepted engineering principles and practices, is the 2024 sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer. SDR DATE 01-JUL-2015 TM515





TAPER TYPES	& FORMULAS
TAPER	FORMULA
Merging (Lane Closure)	"L"
Shifting	"L"/2 or ½"L"
Shoulder Closure	"L"/3 or ⅓"L"
Flagging (See Drg. TM850)	50' - 100'
Downstream (TermInation)	Varles (See Drawlngs)

★ Use Pre-Construction Posted Speed to select the Speed from the Tables below:

TEMPORARY BARRIER FLARE RATE TABLE					
★SPEED (mph)	MINIMUM FLARE RATE				
≤ 30	8:1				
35	9:1				
40	10:1				
45	12:1				
50	14:1				
55	16:1				
60	18:1				
65	19:1				
70	20:1				

MINIMUM LENGTHS TABLE								
"L	." VALUE	DUESED HOW (6)						
A	W = Lane o	r Shou l der Wlo	ith be i ng close	d or shifted	BUFFER "B" (ft)			
★ SPEED (mph)	W ≤ 10	W = 12	W = 14	W = 16				
25	105	125	145	165	75			
30	150	180	210	240	100			
35	205	245	285	325	125			
40	265	320	375	430	150			
45	450	540	630	720	180			
50	500	600	700	800	210			
55	550	660	770	880	250			
60	600	720	840	960	285			
65	650	780	910	1000	325			
70	700	840	980	1000	365			
FREEWAYS								
55	1000	1000	1000	1000	250			
60	1000	1000	1000	1000	285			
65	1000	1000	1000	1000	325			
70	1000	1000	1000	1000	365			

NOTES:

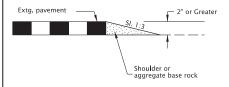
- For Lane closures where W < 10', use "L" value for W = 10'.
- For Shoulder closures where W < 10', use "L" value for W = 10' or calculate "L" using formula, for Speeds ≥ 45: L = WS, Speeds < 45: L = S²W/60, S = Speed, W=Width

TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE						
★ SPEED (mph)	Sig	n Spacing	(ft)	Max. Channelizing		
A SI EED (IIIpii)	Α	В	С	Device Spacing (ft)		
20 - 30	100	100	100	20		
35 - 40	350	350	350	20		
45 - 55	500	500	500	40		
60 - 70	700	700	700	40		
Freeway	1000	1500	2640	40		

- Place traffic control devices on 10 ft, spacing for intersection and access radil.
 When necessary, sign spacing may be adjusted to fit site conditions.
 Limit spacing adjustments to 30% of the "A" dimension for all speeds.

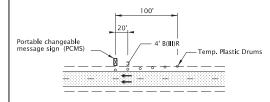
NOTES:

- When paved shoulders adjacent to excavations are less than four feet wide protect longitudinal abrupt edge as shown.
- Use aggregate wedge when abrupt edge is 2 inches or greater.



NOTES:

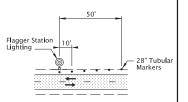
- Install PCMS beyond the outside shoulder, when possible.
- Use the appropriate type of barricade panels for PCMS location. Right shoulder, use Type B(III)R Left shoulder, use Type B(III)L
- Use six drums in shoulder taper on 20' spacing. The drums and barrlcade may be omitted when PCMS is placed behind a roadside barrler.
- Detail as shown is used for trailered and non-crashworthy components of:
 - Portable Traffic Signals
 - Smart Work Zone Systems



PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) INSTALLATION

NOTES:

- Install Flagger Station Lighting beyond the outside shoulder, where practical.
- Use six tubular markers in shoulder taner
- Place cart / generator / power supply off of the shoulder, as far as practical.



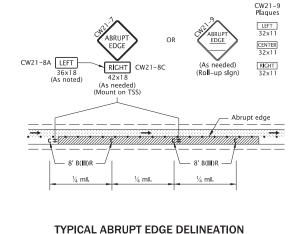
FLAGGER STATION LIGHTING DELINEATION

NOTES:

Abrupt edges may be created by paving, operations, excavations or other roadway work. Use abrupt edge signing for longitudinal abrupt edges of 1 Inch or greater.

EXCAVATION ABRUPT EDGE

- If the excavation is located on left side of traffic, replace the 8' B(III)R barricades with 8' B(III)L barricades and replace the "RIGHT" (CW21-8C) riders with "LEFT" (CW21-8A) riders.
- Continue signing and other traffic control devices throughout excavation area at spacings shown.
- If roll-up signs are used, attach the correct (CW21-9) plaques to the sign face using hook and loop fasteners. Place roll-up signs in advance of barricades.



GENERAL NOTES FOR ALL TCP DRAWINGS:

- Signs and other Traffic Control Devices (TCD) shown are the minimum required.
- Place a barricade approx. 20' ahead of all sequential arrow boards.
- Arrows shown In roadway are directional arrows to indicate traffic movements.
- All signs are 48" x 48" unless otherwise shown. Use fluorescent orange sheeting for the background of all temporary warning signs
- Temp. Plastic Drums See TCD Spacing Table for max, spacing.
- • 28" Tubular Markers See TCD Spacing Table for max. spacing.

UNDER TRAFFIC

UNDER CONSTRUCTION

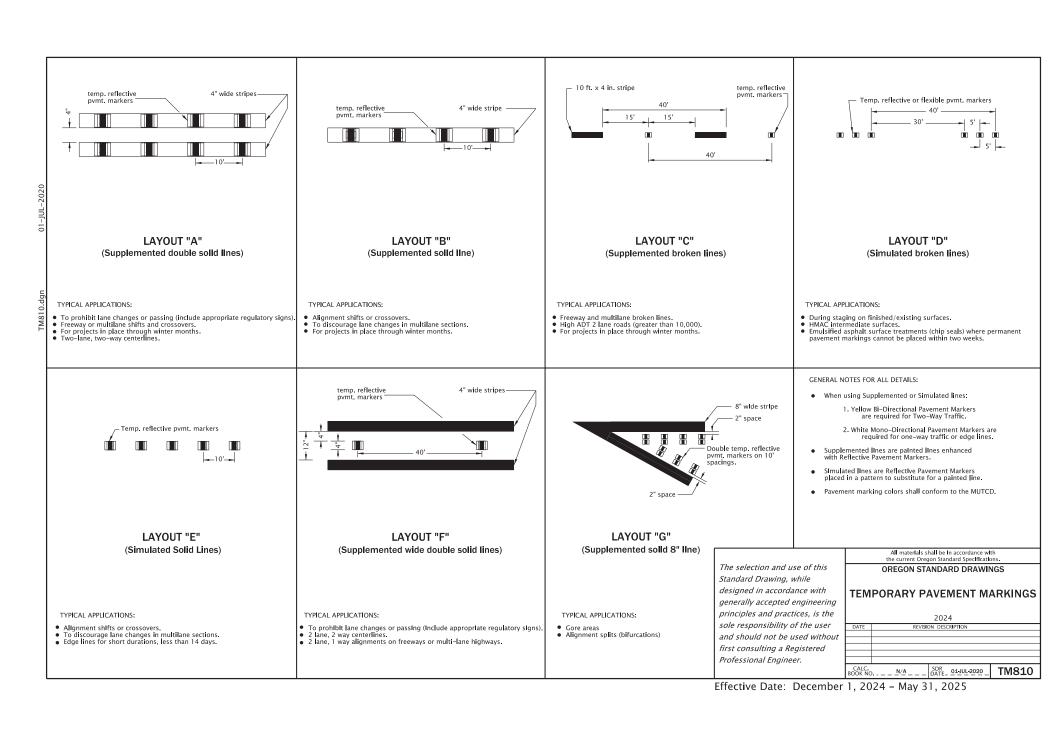
- All diamond shaped warning signs mounted on barrier sign supports shall be 36" by 36".
 All other signs mounted on barrier sign supports shall not exceed 12 sq. ft. in total sign area.
- Low speed highways have a pre-construction posted speed of 40 mph or less. High speed highways have a pre-construction posted speed of 45 mph or higher.
- Do not locate sign supports in locations designated for bicycle or pedestrian traffic.
- Combine drawing details to complete temporary traffic control for each work activity.
- Coordinate and control pedestrian movements through a Temporary Accessible Route using Flaggers, Traffic Control Measures, or as directed.
- Provide a truck mounted attentuator (TMA) to protect the active work area on high speed divided highways or freeways when positive protection is not available, or as directed.
- To be accompanied by Dwg. Nos. TM820 & TM821.

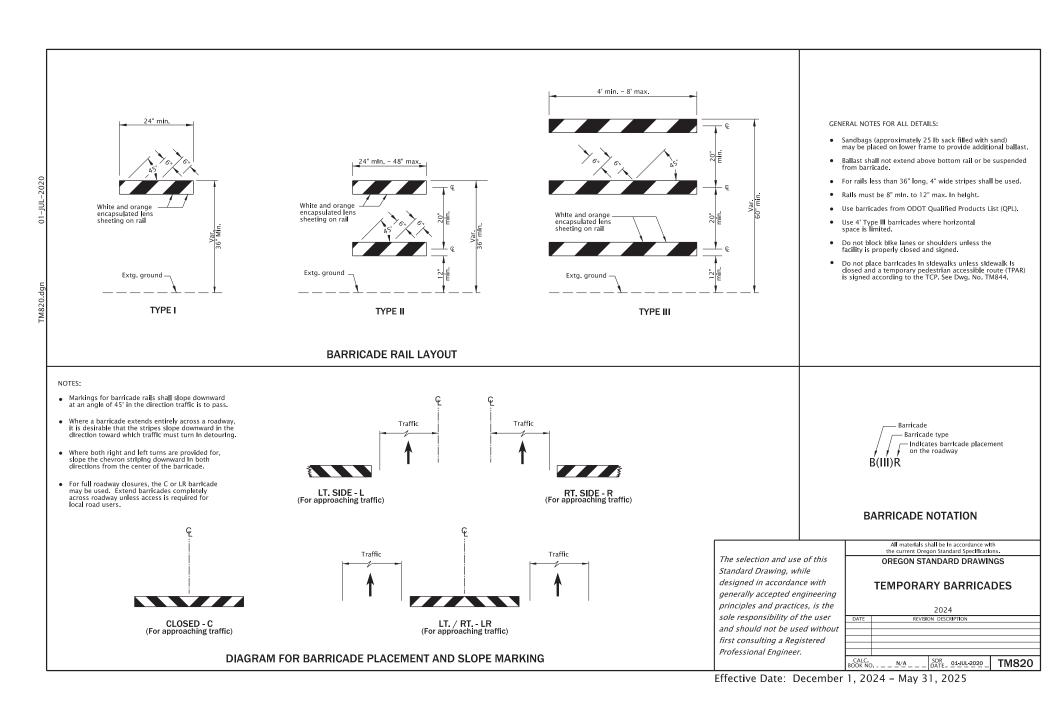
The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

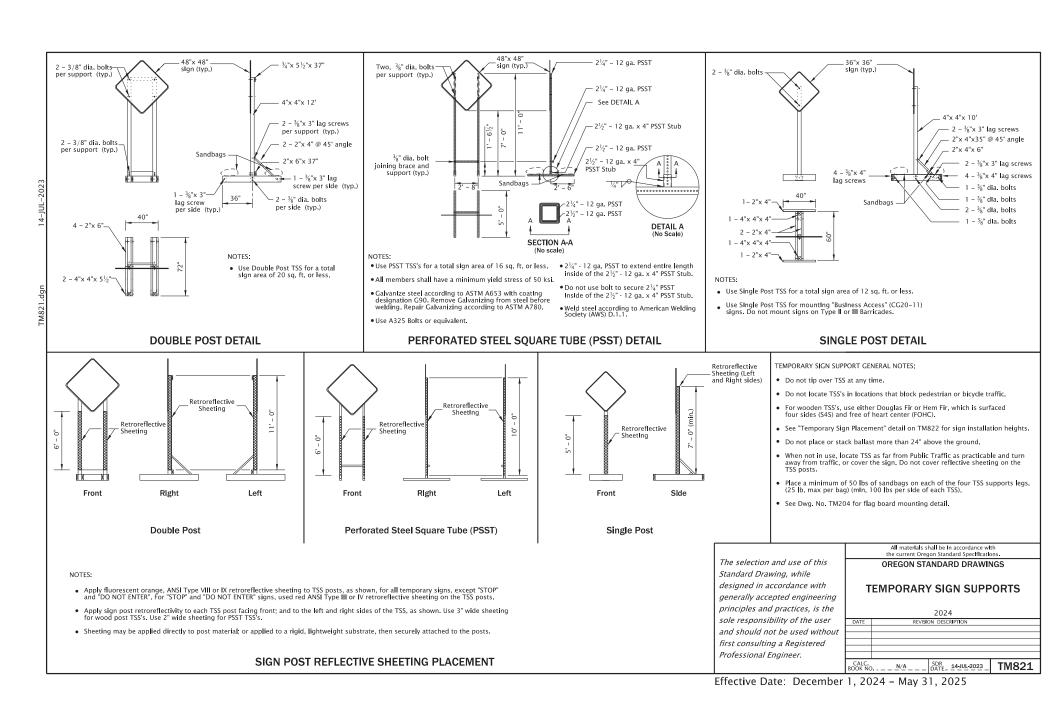
All materials shall be in accordance with the current Oregon Standard Specifications. **OREGON STANDARD DRAWINGS**

TABLES, ABRUPT EDGE AND PCMS DETAILS

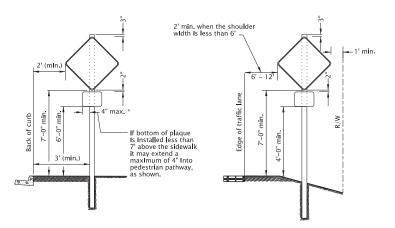
REVISION DESCRIPTION 07-2022 Added a note for TPARs 07-2024 Added a note for TMA: CALC. BOOK NO. SDR DATE_ 12-JUL-2024 TM800 N/A







- Do not block bicycle lanes, sidewalks, or TPAR's with sign supports. Maintain minimum widths for these facilities
 according TCP Design Manual, MUTCD, ADA, or as directed.
- To be accompanied by Dwg. Nos. TM670, TM671, TM687, TM688 & TM689.

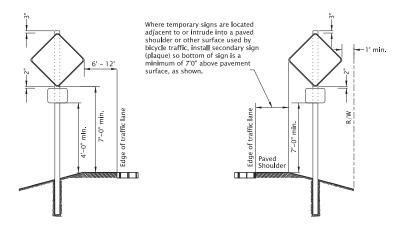


Urban Areas With Curb/Sidewalk

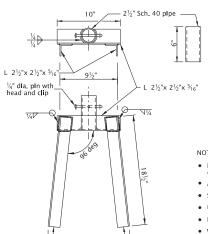
Divided Highway/Freeway Medians No Curb/Sidewalk

Rural Areas

Rural or Urban Areas - Curb or No Curb Bicycles On Shoulder

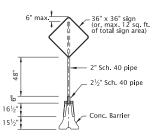


TEMPORARY SIGN PLACEMENT



L 2-1/2"x 2-1/2"x 5/16"

- 131/8"

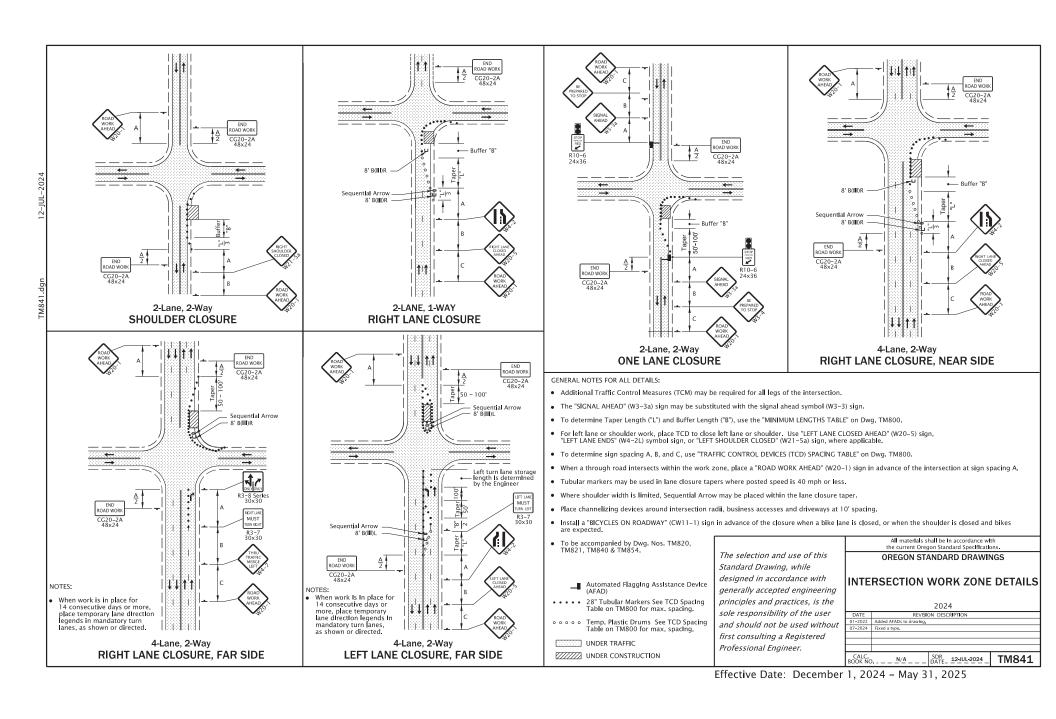


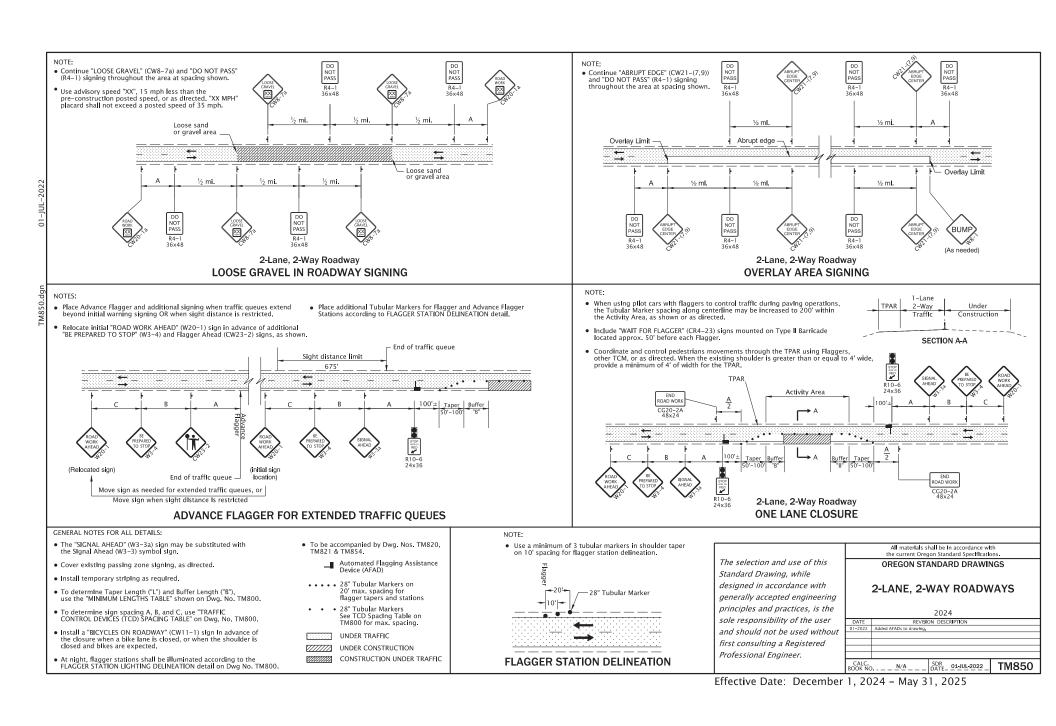
NOTES:

- Drill additional holes so sign can be rotated 90 degrees and pinned when not in use.
- · All structural steel shall conform to ASTM A36.
- Support fits both 32" and 42" tall "F" barrier.
- Use for supporting a maximum 12 sq. ft. of total sign area.
- Place support at connection between two concrete barrier sections.
- Weld steel according to American Welding Society (AWS) D.1.1.
- · Do not use clipped signs.
- Follow manufacturer recommendation when installing signs on barrier other than concrete.

CONCRETE BARRIER SIGN SUPPORT

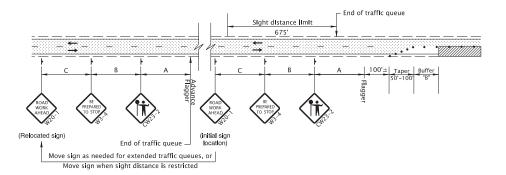
All materials shall be in accordance with the current Oregon Standard Specifications. The selection and use of this OREGON STANDARD DRAWINGS Standard Drawing, while designed in accordance with TEMPORARY SIGN SUPPORTS generally accepted engineering principles and practices, is the 2024 sole responsibility of the user REVISION DESCRIPTION and should not be used without first consulting a Registered Professional Engineer. CALC. BOOK NO. SDR DATE 01-JUL-2020 TM822 Effective Date: December 1, 2024 - May 31, 2025





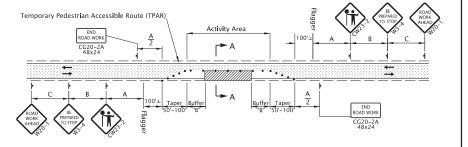


- Place Advance Flagger and additional signing when traffic queues extend beyond initial warning signing OR when sight distance is restricted.
- Relocate initial "ROAD WORK AHEAD" (W20-1) sign in advance of additional "BE PREPARED TO STOP" (W3-4) and Flagger Ahead (CW23-2) signs, as shown.



- When using pilot cars with flaggers to control traffic during paving operations, the Tubular Marker spacing along centerline may be increased to 200° within the Activity Area, as shown or as directed.
- Include "WAIT FOR FLAGGER" (CR4-23) signs mounted on Type II Barricade located approx. 50' before each Flagger.
- Coordinate and control pedestrians movements through the TPAR using Flaggers, other TCM, or as directed. When the existing shoulder is greater than or equal to 4' wide, provide a minimum of 4' of width for the TPAR.





2-Lane, 2-Way Roadway ONE LANE CLOSURE

ADVANCE FLAGGER FOR EXTENDED TRAFFIC QUEUES

GENERAL NOTES FOR ALL DETAILS:

- This drawing is only intended to be used where an Automated Flagger Assistance Device (AFAD) cannot be utilized.
- The "FLAGGER" (CW23-2) symbol sign shall be used only in conjunction with the "BE PREPARED TO STOP" (W3-4) sign.
- · Cover existing passing zone signing, as directed.
- Install temporary striping as required.
- To determine Taper Length ("L") and Buffer Length ("B"), use the "MINIMUM LENGTHS TABLE" shown on Dwg. No. TM800.
- To determine sign spacing A, B, and C, use "TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE" on Dwg. No. TM800.
- Install a "BICYCLES ON ROADWAY" (CW1 1-1) sign in advance of the closure when a blke lane is closed, or when the shoulder is closed and blkes are expected.
- At night, flagger stations shall be illuminated according to the FLAGGER STATION LIGHTING DELINEATION detail on Dwg No. TM800.
- To be accompanied by Dwg. Nos. TM820 & TM821.

••••• 28" Tubular Markers on 10'max. spacing arround Intersection radil.

• • • • • 28" Tubular Markers on 20' max. spacing for flagger tapers and stations

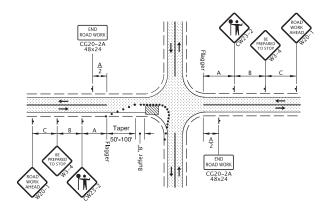
 28" Tubular Markers See TCD Spacing Table on TM800 for max. spacing.

UNDER TRAFFIC

UNDER CONSTRUCTION

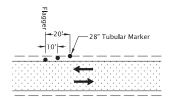
Place additional Tubular Markers for Flagger and Advance Flagger Stations according to FLAGGER STATION DELINEATION detail.

Additional Traffic Control Measures (TCM) may be required for all legs of the intersection



2-Lane, 2-Way Roadway ONE LANE CLOSURE, INTERSECTION

 Use a minimum of 3 tubular markers in shoulder taper on 10' spacing for flagger station delineation



FLAGGER STATION DELINEATION

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

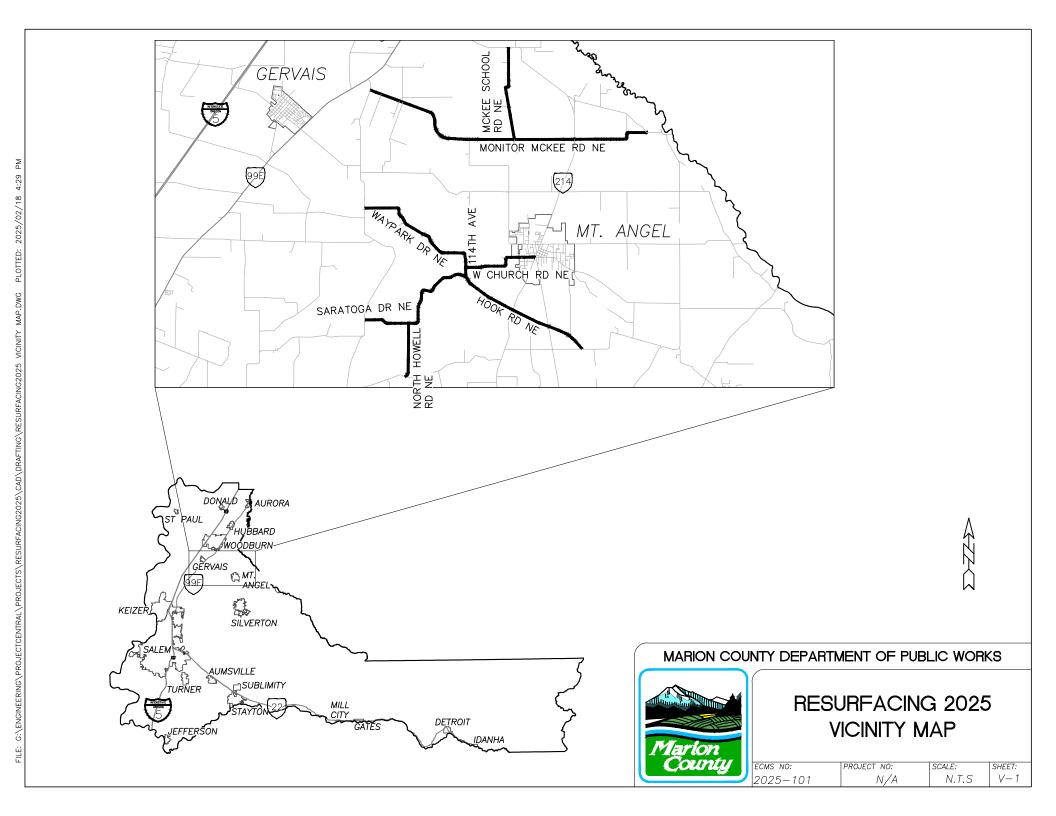
2-LANE, 2-WAY ROADWAYS 2024 REVISION DESCRIPTION

TM855

All materials shall be in accordance with the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS

CALC. BOOK NO SDR DATE_ 13-JAN-2023



Oregon Department of Transportation



APPLICATION AND PERMIT TO OCCUPY OR PERFORM OPERATIONS UPON A STATE HIGHWAY

	F	PERM	TIN	NUN	/BEI	7	1
0	3	M	4	8	9	4	3

See Oregon Administrative Rule, Chapter 734, Division 55

KEY#

CLASS:

GENERAL LOCATION								Pl	JRPOS	E OF A	PLIC	CATION MAINTAIN)	
HIGHWAY NAME AND ROUTE NUMBER								POLE	TYPE	001701 LI		. VERT. CLEAR	RANCE
Hillsboro-Silverton Hwy 214							Ш	LINE					
HIGHWAY NUMBER COUNTY								BURIED CABLE	TYPE				
140 Marion BETWEEN OR NEAR LANDMARKS									7.10				
			io Pood					PIPE LINE	TYPE				
HWY. REFER	et and NE		SNATED FR	FFWAY	IN U.S. FOREST	-							
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Marion Co	unty Public	Works					<u></u>	DESCRIBE		R ODOT US	E ON	V	V-9 21 To Too
	rton Rd NE						BON	ID REQUIRE		REFEREN	ICE: A	MOUNT OF E	BOND
Salem, OR								YES 🛚	NO	OAR 734- -0035(2)	055	N/A	
							25	JRANCE RE	A 100 Table 197 to	REFEREN OAR 734-		PECIFIED COM	
			1					YES L	NO	-0035(1)	033	10/1/20	25
		DETAIL	LOCATIO	N OF F	ACILITY (For I	more spac	e ati	ach addit	ional sł	neets)			
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Marion County 214.	y is scheduled	to pave McK	ee School R	Road from	Monitor McKee Ro	oad to Hwy 2	14. 7	The work wil	I require	temporary	signs	and flaggers o	n Hwy
• X Y	IC CONTROL ES [OAR 734-	REQUIRED 055-0025(6)	ı [NO NO	OPEI		734-	055-0100(2)]	X No	AO] C	R 734-055-010	00(1)]
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APPLICANT:	SIGNATURE			APPLIC 2-18-2	CATION DATE 2025	TITLE Engineer	ing 7	Гесh, Sr			0	TELEPHON 503-365-3	
	lion is approved by	the Department	the applicant is	subject to: a	ccepts and	DISTRICT	MANA	AGER OR R	EPRESE	NTATIVE	40	APPROVA	DATE
When this application is approved by the Department, the applicant is subject to, accepts and approves the terms and provisions contained and attached: and the terms of Oregon Administrative Rules. Chapter 734, Division 55, which is by this reference made a part of this permit.					x /-	1	06	11	1		9/10/9	2025	

03M48943



GENERAL PROVISIONS FOR POLELINE, PIPELINE, BURIED CABLE, AND MISCELLANEOUS PERMITS

Revised April 2022

APPLICANT: Marion County Public Works	PERMIT NO:
HIGHWAY: $140/OR~214$	MP: 40.46 - 42.35

These permit provisions are in addition to the requirements described in Oregon Administrative Rule, Chapter 734, Division 55 and may be supplemented by permit special provisions. In the event of a conflict, the Administrative Rule will apply then these provisions followed by any permit special provisions. Unless otherwise specified, all documents referenced are references to the current version, with any revisions or supplements, in place when the work is conducted.

All checked (⋈) provisions apply.

WC	RKSI	TE
	1.	Access control fence must be maintained during permitted work and restored to its original or better condition after permitted work is complete.
\boxtimes	2.	The Applicant shall not use state highway right of way to display advertising signs or to display or sell merchandise of any kind.
	3.	The stopping and parking of vehicles upon state highway right of way for the maintenance of adjoining property or in furtherance of any business transaction or commercial establishment is prohibited.
	4.	All grass and small brush within the work area shall be rotary or flail mowed to ground level prior to the beginning of work to facilitate clean up.
X	5.	Disturbed areas shall be reseeded with grass native to the area in an appropriate seeding time.
\boxtimes	6.	The spreading of mud or debris upon any state highway is prohibited and violation shall be cause for immediate cancellation of the permit. Clean up shall be at the Applicant's expense. The highway shall be cleaned of all dirt and debris at the end of each workday, or more frequently as directed by the District Manager or representative.
	7.	Applicant shall replace any landscape vegetation or fences that are damaged or destroyed. Any damage that is not fully restored within 30 days may be replaced by ODOT at the expense of the Applicant. A "plant establishment" shall be understood to be part of the planting work to assure satisfactory growth of planted materials. The plant establishment period will begin when the original planting has been completed and approved. The length of the establishment period will be one calendar year or as defined in the permit Special Provisions.
	8.	Applicant shall install and maintain the landscaped area as shown on the attached drawings. Plantings shall be limited to non-invasive, low-growing shrubs, grass or flowers that do not attain sufficient height to obstruct clear vision in any direction. ODOT may remove plantings without liability or loss, injury, or damage of any pature whatspeyer if in the future it is determined to be in the public interest to do so

TRAFFIC

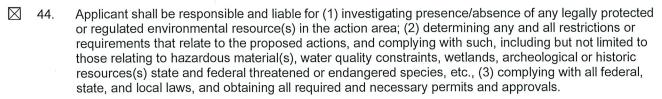
- 9. The work area shall be protected in accordance with the Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD), and the Oregon Temporary Traffic Control Handbook as supplemented or amended by ODOT.
- In the standards of the principles of the standards. The traffic control plan may be reviewed by ODOT before work begins. The ODOT review does not relieve the Applicant of responsibility for the accuracy of the traffic control plan.
- 11. For permitted utility work, the Applicant shall take measures necessary to maintain the accessibility of the state highway including sidewalks and pedestrian areas by individuals with disabilities to the ODOT

		Americans with Disability Act (ADA) standard during the course of the work by following the Oregon Temporary Traffic Control Handbook, Section 1.6.
	12.	When constructing a new utility service line, Applicant shall ensure that advance notice of any temporary pedestrian route is provided in an accessible format to the public, people with disabilities, and disability organizations to the greatest extent possible. The Notice is to be sent to the organizations on the contact list of Centers for Independent Living at https://www.oregon.gov/odot/Engineering/DOCS_ADA/AOCIL-Contacts.pdf
	13.	All damaged or removed highway signs shall be replaced by the Applicant. Installation shall be according to MUTCD and ODOT standards and shall be completed as soon as possible but no later than the end of the work shift.
	14.	No lane restrictions are permitted on the roadway during the hours of darkness, on weekends, or between 6:00 AM and 9:00 AM, or 3:00 PM and 6:00 PM (Monday through Friday) without prior approval by ODOT.
\boxtimes	15.	Hours of work shall be $\underline{\textit{Lane Control on State Hwy is Mon-Thur 9am}}$ - $4pm$ / $Fri~9am$ - $Noon$
DR	AINAC	GE .
	16.	On-site storm drainage shall be controlled within the permitted property. No blind connections to existing state facilities are allowed.
	17.	Excavation shall not be done on ditch slopes. Trench excavation shall either be at ditch bottom or outside ditch area. (Minimum depth at bottom of ditch shall be 36 inches; minimum depth outside of ditch shall be 42 inches).
	18.	Only earth or rock shall be used as fill material and shall slope so as not to change or adversely affect existing drainage. Fine grade and seed the finished fill with native grasses to prevent erosion.
	19.	A storm drainage study stamped by an Oregon Registered Professional Engineer (PE) is required. The study must meet standards of the National Pollution Discharge Elimination Systems (NPDES) when any of the following conditions apply:
		 whenever a four-inch pipe is inadequate to serve the developed area,
		 development site is one acre or larger in size and directly or indirectly affects state facilities, or
		as directed by the District Manager or representative.
	20.	Applicant shall provide on-site retention for storm water runoff that exceeds that of the undeveloped site.
	21.	All water discharged to an ODOT drainage system must be treated prior to discharge. All requests for connection to an ODOT storm system must meet any requirements of the National Pollutant Discharge Elimination System (NPDES). This may include local jurisdiction approval of on-site water quality treatment facilities and/or development of an operation and maintenance plan for any on-site water quality treatment facility, as determined by local jurisdiction.
EX	CAVA	TION / CONSTRUCTION
X	22.	"Oregon Standard Specifications for Construction" and ODOT "Standard Drawings" where applicable and not otherwise superseded by the permit, shall be incorporated for use in the permit; https://www.oregon.gov/odot/engineering/pages/index.aspx . These documents apply only to the extent they provide standards and performance requirements for work to be performed under the permit. In the event of a conflict, the permit provisions will take precedent.
	23.	Trench backfill shall be according to the attached typical drawing, marked as Exhibit A.
	24.	When open cutting of the highway is allowed, all excavation in paved areas shall be backfilled and the roadway surface patched before the end of each shift.
	25.	Steel plates shall be pinned, and a temporary cold patch applied to the edges. The Applicant shall be responsible for monitoring and maintenance of temporary patching and steel plating.
	26.	Compaction tests shall be required for each open cut per Oregon Standard Specifications for Construction. Compaction tests shall be conducted once for every 300 lineal feet per lift of continuous trench according to the Manual of Field Test Procedures (MFTP), published by ODOT. Percent Compaction shall be at least 95%. Results of compaction test shall be provided upon request of the District Manager or representative at Applicants' expense.

03M48943

27.	Control Density Fill (CDF) shall be used as surface backfill material in place of crushed rock in open trenches that impact the travel portions of the highway. A ¾"-0, or 1"-0 rock will be used for the aggregate. The amount of cement used shall not exceed 3.0% of the total mixture's weight. Maximum compressed strengths must not exceed 250 pounds per square inch (psi).
28.	Surface restoration shall be a minimum of four inches of hot asphalt-concrete (AC), compacted in two inch lifts, or to match existing pavement depth, whichever is greater. Sand-seal all edges and joints.
29.	Any area of cut or damaged asphalt shall be restored in accordance with the attached "T-Cut Typical Section" drawing. For a period of two years following the patching of the paved surface, Applicant shall be responsible for the condition of the pavement patches, and during that two year period shall repair to District Manager or representative's satisfaction any of the patches which become settled, cracked, broken, or otherwise faulty.
30.	An overlay to seal an open-cut area shall be completed prior to the end of the construction season, or when minimum temperature allows per the Oregon Standard Specification for Construction. The overlay shall be 1.5 inches deep and cover the affected area from edge of pavement to edge of pavement and taper longitudinally at a fifty feet to one inch (50':1") ratio. Taper may be adjusted by the District Manager as required. For a period of two years following this patching of the paved surface, the Applicant shall be responsible for the condition of said pavement patches, and during that time shall repair to the District Manager or representative's satisfaction any of the patches which become settled, cracked, broken or otherwise faulty.
31.	Highway crossings of utility lines shall be bored or jacked. Bore pits shall be located behind the ditch line unless otherwise specified in the permit. Unattended pits shall either be protected by a six-foot fence, backfilled, or steel plated and pinned.
32.	Any non-conductive, un-locatable, underground facility shall have a tracer wire or other similar conductive marking tape, or device placed the full length of the installed underground facility in compliance with the Oregon Utilities Notification Center rules, OAR Chapter 952.
33.	Trench backfill outside of ditch line may be native soil compacted at optimum moisture in twelve inch layers to not less than 95% relative maximum density.
34.	Native material that is unsatisfactory for compaction shall be disposed of off the work site and granular backfill used.
35.	Trench backfill in rock slope or shoulder shall be crushed 1"-0 or ¾"-0 size rock compacted at optimum moisture in eight-inch layers. Compaction tests shall be conducted according to the Manual of Field Test Procedures (MFTP), published by ODOT. Percent compaction shall be at least 95%maximum density. At the request of the District Manager or representative, results of compaction tests shall be provided to District Manager or representative at Applicant's expense.
36.	Where excavation is on fill slope steeper than a two to one (2:1) ratio, slope protection shall be provided using four-inch size rock laid evenly to a minimum depth of twelve inches.
37.	No more than 300 feet of trench longitudinally along the highway shall be left open at any one time and no trench shall be left in an open condition overnight.
38.	Areas of disturbed cut and fill slopes shall be restored to a condition suitable to the District Manager or representative. Areas of erosion to be inlaid with an acceptable riprap material.
39.	All underground utilities shall be installed with three-foot or more of horizontal clearance from existing or contract plans guardrail posts and attachments.
40.	Any area of cut or damaged concrete shall be restored in accordance with the attached Typical Section-Pipe Section under sidewalk.
41.	Utility markers, pedestals, and vaults shall be placed as near the highway right-of-way line as practical. In no case shall pedestals, vaults, and line markers be located within the area where highway maintenance activities regularly occur including mowing operations, or nearer the pavement edge than any official highway sign in the same general location.
42.	No cable plowing is allowed within the lateral support of the highway asphalt (e.g., at six feet lower than the edge of the asphalt, no plowing within nine feet of the edge of the asphalt).
43.	Review by the ODOT Bridge Engineer is required for all proposed bridge and structure attachments and for any facilities to be installed within sixteen feet of bridge foundations, supports, walls or related elements, or within the influence zone of bridge facilities.

MISCELLANEOUS



- 45. If the Applicant impacts a legally protected/regulated resource, Applicant shall be responsible for all costs associated with such impact, including, but not limited to all costs of mitigation and rehabilitation, and shall indemnify, and hold ODOT harmless for such impacts and be responsible and liable to ODOT for any associated costs or claims that ODOT may have.
- A6. Plans are reviewed by ODOT in general only and do not relieve the Applicant from completing roadway improvements in a manner satisfactory to ODOT. The District Manager or representative may require field changes. When revisions are made in the field, Applicant is responsible to provide "as built" drawings, within 60 days from completion of roadway improvements, and shall submit them to the District Office issuing the permit.
- Applicant shall be responsible for locating and preserving all existing survey monumentation within the work area in accordance with ORS 209.150 and/or 209.155. If monumentation or its accessories are inadvertently or otherwise disturbed or destroyed, Applicant shall be responsible for all costs and coordination associated with its reestablishment by a professional licensed surveyor.
- Applicant shall be responsible to restore or replace any curbs or curb ramps damaged by the permitted activity according to ODOT's ADA Standards available at https://www.oregon.gov/ODOT/Engineering/Pages/Accessibility.aspx. Any review or inspection of the curbs or curb ramps conducted by ODOT does not relieve the Applicant of the responsibility to comply with any other aspect of federal, state, and local laws, rules and regulations applicable to the work allowed under the permit including but not limited to the Americans with Disabilities Act of 1990.
- When constructing a minor roadway improvement, Applicant shall comply with all federal, state, and local laws, regulations, executive orders and ordinances applicable to the work under this permit, including, without limitation, the provisions of ORS 276.071. If Applicant chooses to assign their permitted responsibilities to a consultant or contractor, Applicant shall inform the consultant or contractor of the requirements of ORS 276.071.
- Upon completion of the permitted minor roadway improvement, Applicant shall notify ODOT and request final inspection. If all structures and appurtenances constructed under this permit are found to be in compliance with permit provisions and state standards, ODOT will accept ownership of the permitted structures and appurtenances by written notice to the Applicant.

2025 Marion County Resurfacing

Project:

NE McKee School Road MP 41.30

From: NE Monitor McKee Road to OR 214

Construction Dates: July 1, 2025 through September 30, 2025

Construction Hours: Between 7:00 A.M. and 5:00 P.M.

Contact:

Marion County Project Manager: Brandon Stoyles

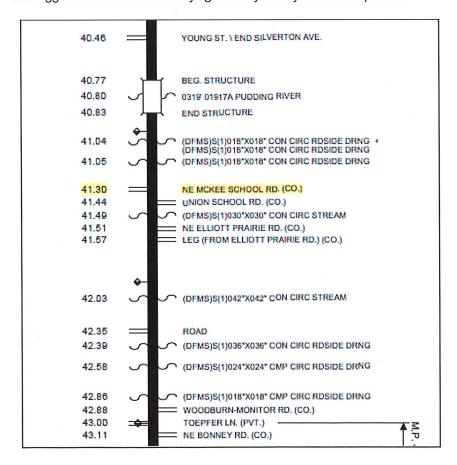
Phone: 503-931-2087 Cell: 503-931-2087

BStoyles@co.marion.or.us

The project is from Monitor McKee Road to Hwy 214. Marion County expects to bid the project in April 2025.

Construction will be done under a lane closure with flaggers directing traffic through the work area.

The work requires temporary traffic control signs and flaggers to direct traffic through the work area on while the contractor is paving away from the intersection. The contractor will be instructed to move the flaggers back on to the county right of way county as soon as possible.



MINIMUM LENGTHS TABLE						
"L" VALUE FOR TAPERS (ft)					Disease holl (f.)	
A carres to a	W = Lane o	· Shoulder Wid	BUFFER "B" (ft)			
★ SPEED (mph)	W ≤ 10	W = 12	W = 14	W = 16		
25	105	125	145	165	75	
30	150	180	210	240	100	
35	205	245	285	325	125	
40	265	320	375	430	150	
45	450	540	630	720	180	
50	500	600	700	800	210	
55	550	660	770	880	250	
60	600	720	840	960	285	
65	650	780	910	1000	325	
70	700	840	980	1000	365	
FREEWAYS						
55	1000	1000	1000	1000	250	
60	1000	1000	1000	1000	285	
65	1000	1000	1000	1000	325	
70	1000	1000	1000	1000	365	

- For Lane closures where $W < 10^\circ$, use "L" value for $W = 10^\circ$.
- For Shoulder closures where W < 10', use "L" value for W = 10' or calculate "L" usin formula, for Speeds ≥ 45: L = WS, Speeds < 45: L = S²W/60, S = Speed, W=Width

TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE						
★ SPEED (mph)	Sig	n Spacing	Max, Channelizing			
	Α	В	C	Device Spacing (ft)		
20 – 30	100	100	100	20		
35 – 40	350	350	350	20		
45 – 55	500	500	500	40		
60 – 70	700	700	700	40		
Freeway	1000	1500	2640	40		

NOTES:

- Place traffic control devices on 10 ft, spacing for intersection and access radii.
 When necessary, sign spacing may be adjusted to fit site conditions, Limit spacing adjustments to 30% of the "A" dimension for all speeds,

Traffic control will comply with the 2021 Oregon Standard Specifications for Construction as well as the following:

- ODOT "Oregon Temporary Traffic Control Handbook for Operations of Three Days or Less:
- Standard Drawings TM800, TM841 and TM850 as applicable.

TAPER TYPES & FORMULAS				
TAPER	FORMULA			
Merging (Lane Closure)	»Ľ"			
Shifting	"L"/2 or ½"L"			
Shoulder Closure	"L"/3 or ⅓"L"			
Flagging (See Drg. TM850)	50' - 100'			
Downstream (Termination)	Varies (See Drawings)			

★ Use Pre-Construction Posted Speed to select the Speed from the Tables below:

TEMPORARY BARRIER FLARE RATE TABLE			
★SPEED (mph)	MINIMUM FLARE RATE		
≤ 30	8:1		
35	9:1		
40	10:1		
45	12:1		
50	14:1		
5.5	16:1		
60	18:1		
65	19:1		
70	20:1		

	JM L	.ENG	THS	TABLE		
"L" VALUE FOR TAPERS (ft)						
SPEED (mph) W = Lane or Shoulder Width being closed or shifted						
W ≤ I0	W = 12	W = 14	W = 16	1		
105	125	145	165	75		
150	180	210	240	100		
205	245	285	325	125		
265	320	375	430	150		
450	540	630	720	180		
500	600	700	800	210		
550	660	770	880	250		
600	720	840	960	285		
650	780	910	1000	325		
700	840	980	1000	365		
FREEWAYS						
1000	1000	1000	1000	250		
1000	1000	1000	1000	285		
1000	1000	1000	1000	325		
1000	1000	1000	1000	365		
	$\begin{array}{ll} W = \text{Lane o} \\ W \leq 10 \\ \hline 105 \\ 150 \\ 205 \\ 265 \\ 450 \\ 500 \\ 550 \\ 600 \\ 650 \\ 700 \\ \hline \\ 1000 \\ 1000 \\ \hline \end{array}$	$ \begin{array}{llllllllllllllllllllllllllllllllllll$	$\begin{array}{c ccccc} w = \text{Lane or Shoulder Width below closs} \\ w \leq 10 & w = 12 & w = 14 \\ 105 & 125 & 145 \\ 150 & 125 & 145 \\ 150 & 180 & 210 \\ 205 & 245 & 285 \\ 265 & 320 & 375 \\ 450 & 540 & 630 \\ 550 & 660 & 770 \\ 600 & 720 & 840 \\ 650 & 780 & 910 \\ 700 & 840 & 980 \\ \hline & FREEWAY \\ 1000 & 1000 & 1000 \\ 1000 & 1000 & 1000 \\ 1000 & 1000 & 1000 \\ \hline \end{array}$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		

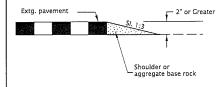
- For Lane closures where W < 10', use "L" value for W = 10'.
- For Shoulder closures where W < 10', use "L" value for W = 10' or calculate "L" using formula, for Speeds ≥ 45: L = WS, Speeds < 45: L = S²W/60, S = Speed, W=Width

TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE					
★ SPEED (mph)	Sig	n Spacing	Max. Channelizing		
	Α	В	U	Device Spacing (ft)	
20 – 30	100	100	100	20	
35 - 40	350	350	350	20	
45 - 55	500	500	500	40	
60 – 70	700	700	700	40	
Freeway	1000	1500	2640	40	

NOTES:

- · Place traffic control devices on 10 ft. spacing for Intersection and access radil.
- When necessary, sign spacing may be adjusted to fit site conditions. Limit spacing adjustments to 30% of the "A" dimension for all speeds.

- When paved shoulders adjacent to excavations are less than four feet wide protect longitudinal abrupt edge as shown.
- Use aggregate wedge when abrupt edge is 2 inches or greater.

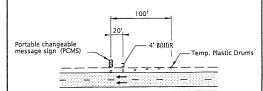


EXCAVATION ABRUPT EDGE

NOTES:

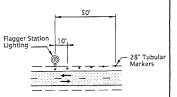
- Install PCMS beyond the outside shoulder, when possible.
- Use the appropriate type of barricade panels for PCMS location. Right shoulder, use Type B(III)R Left shoulder, use Type B(III)L
- Use six drums in shoulder taper on 20' spacing. The drums and parricade may be omitted when PCMS is placed behind a roadside barrier.
- Detail as shown is used for trailered and non-crashworthy components of:

 Portable Traffic Signals
- Smart Work Zone Systems



PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) INSTALLATION

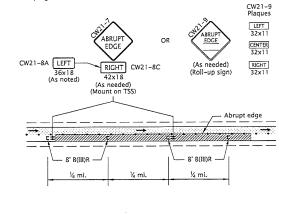
- Install Flagger Station Lighting beyond the outside shoulder, where practical.
- Use six tubular markers in shoulder taper
- Place cart / generator / power supply off of the shoulder, as far as practical.



FLAGGER STATION LIGHTING DELINEATION

NOTES:

- Abrupt edges may be created by paving, operations, excavations or other roadway work. Use abrupt edge signing for longitudinal abrupt edges of 1 inch or greater.
- If the excavation is located on left side of traffic, replace the 8' B(III)R barricades with 8' B(III)L barricades and replace the "RIGHT" (CW21-8A) riders.
- Continue signing and other traffic control devices throughout excavation area at spacings shown.
- If roll-up signs are used, attach the correct (CW21-9) plaques to the sign face using hook and loop fasteners. Place roll-up signs in advance of barricades.



TYPICAL ABRUPT EDGE DELINEATION

GENERAL NOTES FOR ALL TCP DRAWINGS:

- Signs and other Traffic Control Devices (TCD)
- Place a barricade approx. 20' ahead of all sequential arrow boards.
- Arrows shown in roadway are directional arrows to indicate traffic movements.
- All signs are 48" x 48" unless otherwise shown Use fluorescent orange sheeting for the background of all temporary warning signs.
- UNDER TRAFFIC UNDER CONSTRUCTION

Temp. Plastic Drums See TCD Spacing Table

See TCD Spacing Table

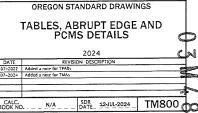
for max, spacing,

for max. spacing.

. . . 28" Tubular Markers

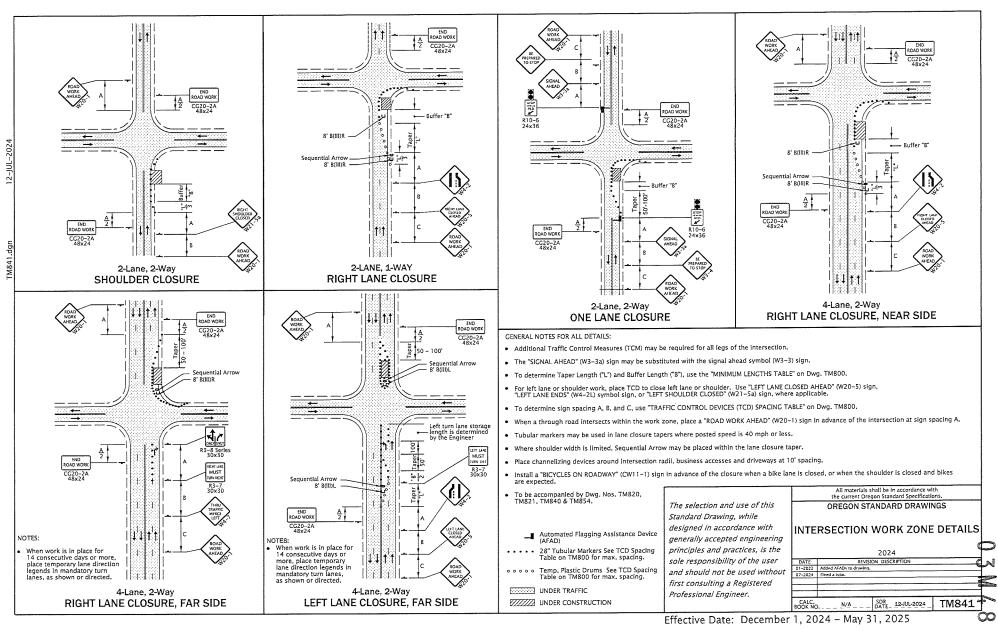
- All diamond shaped warning signs mounted on barrier sign supports shall be 36" by 36". All other signs mounted on barrier sign supports shall not exceed 12 sq. ft. in total sign area.
- Low speed highways have a pre-construction posted speed of 40 mph or less. High speed highways have a pre-construction posted speed of 45 mph or higher.
- Do not locate sign supports in locations designated for bicycle or pedestrian traffic.
- Combine drawing details to complete temporary traffic control for each work activity.
- Coordinate and control pedestrian movements through a Temporary Accessible Route using Flaggers, Traffic Control Measures, or as directed.
- Provide a truck mounted attentuator (TMA) to protect the active work area on high speed divided highways or freeways when positive protection is not available, or as directed.
- To be accompanied by Dwg. Nos. TM820 & TM821.

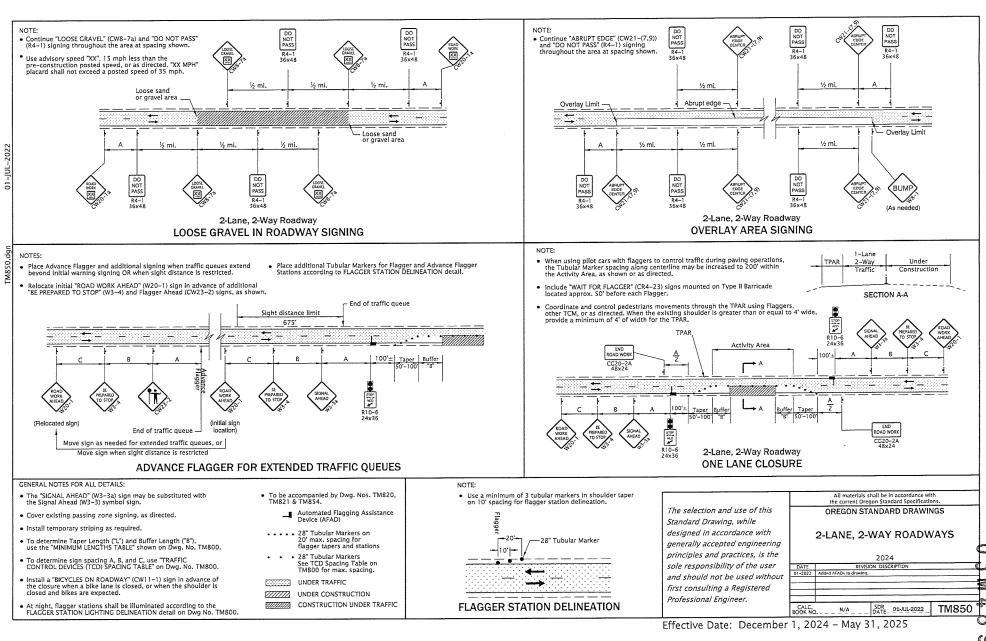
The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.



All materials shall be in accordance with

the current Oregon Standard Specifications





Oregon Department of Transportation

APPLICATION AND PERMIT TO OCCUPY OR PERFORM OPERATIONS UPON A STATE HIGHWAY

PERMIT NUMBER 03M48895

KEY#

CLASS:

See	Oregon	Administrative	Rule.	Chapter	734.	Division	55
	-,-9,			Official Co.	, -,	-14101011	00

GENERAL LOCATION						PURPOSE OF APPLICATION (TO CONSTRUCT/OPERATE/MAINTAIN)								
HIGHWAY NA									POLE	TYPE	30 1701 L		N. VERT. CLEAR	RANCE
Hillsboro-Si						-		Ш	LIŃE					
HIGHWAY NU	JMBER	COUNT			ī				BURIED CABLE	TYPE				
140	D AICAD I AAI	Marion										_		
BETWEEN OR NEAR LANDMARKS NE Bonney Road and NE Dominic Road							PIPE LINE	TYPE						
HWY. REFERENCE MAP DESIGNATED FREEWAY IN U.S. FORES						S FOREST				7				
140	CITOL WAT			Commence of the same			X NO	NON-COMMERCIAL SIGN AS DESCRIBED BELOW						
140 YES NO YES [APPLICANT NAME AND ADDRESS							<u> </u>				PERATION	S AND	O/OR FACILITIES	SAS
Marion Co	untv Public	Works						-5366	DESCRIBE		R ODOT U	SE ON	II V	Secretary party
5155 Silve								BON	ID REQUIRE		REFERE	NCE:	AMOUNT OF I	BOND
Salem, OR	97305								YES X	NO	OAR 734- -0035(2)	-055	N/A	
								-	URANCE RE		REFEREI		SPECIFIED CO	
						,			YES [NO	-0035(1)	-000	10/1/202	25
		DETAIL L	OCATIO	ON OF I	FACILI	TY (For r	nore spac	e ati	tach addit	ional sh	eets)			
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POINT T		STATION		ATION	ANGLE O	F CROSSING	CENTER OF	PVM1	RW LINE		H/VERT.		E AND KIND	LENGTH
43.00	44.82		T		East &	Most								
43.00	44.02		~		both									
DESCRIPTION	UE DESIDED II	lee												
Marion County			or McKee	Road from	n Howell	Prairie Ro	ad to Hwy 21	4. A	soft closure	will be in	n place fro	m Ho	well Prairie to	DR214
with access to	local traffic co	ntrolled by fla	gers and	pilot car.	The roa	d will be clo	osed to traffic	fron	n Barron Ro	ad to 109				
Nursery) to all	ow work at the	steel bridge.	The work	will requi	re tempo	rary signs	to be placed	on O	DOT right of	way.				
SPECIAL PRO	NISIONS (FO		ONI VI											
	IC CONTROL		Only			OPEN	CUTTING (OF P	AVED OR S	URFACE	D AREAS	S ALL	OWED	
♦ X Y	ES [OAR 734-	055-0025(6)]	,	ОИ			YES [OAR	734-	055-0100(2)	1	X N	0 (0/	AR 734-055-010	00(1)]
♦ AT LEAS	T 48 HOURS	BEFORE BEG	SINNING	WORK, T	HE APP	LICANT O	R HIS CONT	RAC	TOR SHALL	NOTIFY				
REPRES TO THE I	ENTATIVE	Steve Barr FICE AT: St	ier eve.bar	ner@o	dot.ore	AT PHO egon.go	ONE NO.:5	003-					L OR FAX THIS WORK IS TO	
◆ A COPY	OF THIS PER	MIT AND ALL	ATTACH	MENTS S	HALL BE	EĂVAILĂB	LE AT THE V		K AREA DU	RING CO	NSTRUC	TION	l.	
	ON: Oregon I 0001 through											are s	et forth in OA	R
	FORE YOU D													
	S (FOR ODO)	TUSE ONLY)	0 4.				Hours: L				e Hwy	is		
Traffic (tached			ay - Thur		•	l pm				
Shall Me		1	Genera				9am - N							
MUTCD Standards Provisions No wo					rk on Ho	lida	ays							
	POSED APPLI SIGNATURE E								NT SHALL A	CQUIRE	THE LO	CAL G	OVERNMENT	
LOCAL GOVERNMENT OFFICIAL SIGNATURE							TITLE						DATE	
X M							Capital Pr	ojec	cts Manag	er			1-28-202	
APPLICANT SIGNATURE APPLICATION DATE			TITLE	TELEPHONE NO.										
X)		1-28-2	2025		Engineeri	-				1	503-365-3	
When this applicat							DISTRICT M					ング	APPROVAL	DATE
approves the terms and provisions contained and attached: and the terms of Oregon Administrative Rules, Chapter 734, Division 55, which is by this reference made a part of this permit.				X	m	-2/	bh	1		1/28/2	2025			



GENERAL PROVISIONS FOR POLELINE, PIPELINE, BURIED CABLE, AND MISCELLANEOUS PERMITS

Revised April 2022

APPLICANT: Marion County Public Works	PERMIT NO: 03M48895
HIGHWAY: 140 / Hwy 214	MP: 43.00 - 44.82

These permit provisions are in addition to the requirements described in Oregon Administrative Rule, Chapter 734, Division 55 and may be supplemented by permit special provisions. In the event of a conflict, the Administrative Rule will apply then these provisions followed by any permit special provisions. Unless otherwise specified, all documents referenced are references to the current version, with any revisions or supplements, in place when the work is conducted.

All checked (X) provisions apply

All C	пескеа	(🔯) provisions apply.
WC	RKSI	TE
	1.	Access control fence must be maintained during permitted work and restored to its original or better condition after permitted work is complete.
\boxtimes	2.	The Applicant shall not use state highway right of way to display advertising signs or to display or sell merchandise of any kind.
	3.	The stopping and parking of vehicles upon state highway right of way for the maintenance of adjoining property or in furtherance of any business transaction or commercial establishment is prohibited.
	4.	All grass and small brush within the work area shall be rotary or flail mowed to ground level prior to the beginning of work to facilitate clean up.
X	5.	Disturbed areas shall be reseeded with grass native to the area in an appropriate seeding time.
\boxtimes	6.	The spreading of mud or debris upon any state highway is prohibited and violation shall be cause for immediate cancellation of the permit. Clean up shall be at the Applicant's expense. The highway shall be cleaned of all dirt and debris at the end of each workday, or more frequently as directed by the District Manager or representative.
	7.	Applicant shall replace any landscape vegetation or fences that are damaged or destroyed. Any damage that is not fully restored within 30 days may be replaced by ODOT at the expense of the Applicant. A "plant establishment" shall be understood to be part of the planting work to assure satisfactory growth of planted materials. The plant establishment period will begin when the original planting has been completed and approved. The length of the establishment period will be one calendar year or as defined in the permit Special Provisions.
	8.	Applicant shall install and maintain the landscaped area as shown on the attached drawings. Plantings shall be limited to non-invasive, low-growing shrubs, grass or flowers that do not attain sufficient height to obstruct clear vision in any direction. ODOT may remove plantings without liability or loss, injury, or

TRAFFIC

9. The work area shall be protected in accordance with the Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD), and the Oregon Temporary Traffic Control Handbook as supplemented or amended by ODOT.

damage of any nature whatsoever if in the future it is determined to be in the public interest to do so.

- 11. For permitted utility work, the Applicant shall take measures necessary to maintain the accessibility of the state highway including sidewalks and pedestrian areas by individuals with disabilities to the ODOT

		Americans with Disability Act (ADA) standard during the course of the work by following the Oregon Temporary Traffic Control Handbook, Section 1.6.
	12.	When constructing a new utility service line, Applicant shall ensure that advance notice of any temporary pedestrian route is provided in an accessible format to the public, people with disabilities, and disability organizations to the greatest extent possible. The Notice is to be sent to the organizations on the contact list of Centers for Independent Living at https://www.oregon.gov/odot/Engineering/DOCS_ADA/AOCIL-Contacts.pdf
\boxtimes	13.	All damaged or removed highway signs shall be replaced by the Applicant. Installation shall be according to MUTCD and ODOT standards and shall be completed as soon as possible but no later than the end of the work shift.
	14.	No lane restrictions are permitted on the roadway during the hours of darkness, on weekends, or between 6:00 AM and 9:00 AM, or 3:00 PM and 6:00 PM (Monday through Friday) without prior approval by ODOT.
\boxtimes	15.	Hours of work shall be Lane control on State Hwy is Mon - Thur 9am - 4pm / Fri 9am - Noon
DRA	AINAC	GE CONTRACTOR OF THE CONTRACTO
	16.	On-site storm drainage shall be controlled within the permitted property. No blind connections to existing state facilities are allowed.
	17.	Excavation shall not be done on ditch slopes. Trench excavation shall either be at ditch bottom or outside ditch area. (Minimum depth at bottom of ditch shall be 36 inches; minimum depth outside of ditch shall be 42 inches).
	18.	Only earth or rock shall be used as fill material and shall slope so as not to change or adversely affect existing drainage. Fine grade and seed the finished fill with native grasses to prevent erosion.
	19.	A storm drainage study stamped by an Oregon Registered Professional Engineer (PE) is required. The study must meet standards of the National Pollution Discharge Elimination Systems (NPDES) when any of the following conditions apply:
		 whenever a four-inch pipe is inadequate to serve the developed area,
		 development site is one acre or larger in size and directly or indirectly affects state facilities, or
		as directed by the District Manager or representative.
	20.	Applicant shall provide on-site retention for storm water runoff that exceeds that of the undeveloped site.
	21.	All water discharged to an ODOT drainage system must be treated prior to discharge. All requests for connection to an ODOT storm system must meet any requirements of the National Pollutant Discharge Elimination System (NPDES). This may include local jurisdiction approval of on-site water quality treatment facilities and/or development of an operation and maintenance plan for any on-site water quality treatment facility, as determined by local jurisdiction.
EX	CAVA	TION / CONSTRUCTION
	22.	"Oregon Standard Specifications for Construction" and ODOT "Standard Drawings" where applicable and not otherwise superseded by the permit, shall be incorporated for use in the permit; https://www.oregon.gov/odot/engineering/pages/index.aspx . These documents apply only to the extent they provide standards and performance requirements for work to be performed under the permit. In the event of a conflict, the permit provisions will take precedent.
	23.	Trench backfill shall be according to the attached typical drawing, marked as Exhibit A.
	24.	When open cutting of the highway is allowed, all excavation in paved areas shall be backfilled and the roadway surface patched before the end of each shift.
	25.	Steel plates shall be pinned, and a temporary cold patch applied to the edges. The Applicant shall be responsible for monitoring and maintenance of temporary patching and steel plating.
	26.	Compaction tests shall be required for each open cut per Oregon Standard Specifications for Construction. Compaction tests shall be conducted once for every 300 lineal feet per lift of continuous trench according to the Manual of Field Test Procedures (MFTP), published by ODOT. Percent Compaction shall be at least 95%. Results of compaction test shall be provided upon request of the District Manager or representative at Applicants' expense.

27.	Control Density Fill (CDF) shall be used as surface backfill material in place of crushed rock in open trenches that impact the travel portions of the highway. A ¾"-0, or 1"-0 rock will be used for the aggregate. The amount of cement used shall not exceed 3.0% of the total mixture's weight. Maximum compressed strengths must not exceed 250 pounds per square inch (psi).
28.	Surface restoration shall be a minimum of four inches of hot asphalt-concrete (AC), compacted in two inch lifts, or to match existing pavement depth, whichever is greater. Sand-seal all edges and joints.
29.	Any area of cut or damaged asphalt shall be restored in accordance with the attached "T-Cut Typical Section" drawing. For a period of two years following the patching of the paved surface, Applicant shall be responsible for the condition of the pavement patches, and during that two year period shall repair to District Manager or representative's satisfaction any of the patches which become settled, cracked, broken, or otherwise faulty.
30.	An overlay to seal an open-cut area shall be completed prior to the end of the construction season, or when minimum temperature allows per the Oregon Standard Specification for Construction. The overlay shall be 1.5 inches deep and cover the affected area from edge of pavement to edge of pavement and taper longitudinally at a fifty feet to one inch (50':1") ratio. Taper may be adjusted by the District Manager as required. For a period of two years following this patching of the paved surface, the Applicant shall be responsible for the condition of said pavement patches, and during that time shall repair to the District Manager or representative's satisfaction any of the patches which become settled, cracked, broken or otherwise faulty.
31.	Highway crossings of utility lines shall be bored or jacked. Bore pits shall be located behind the ditch line unless otherwise specified in the permit. Unattended pits shall either be protected by a six-foot fence, backfilled, or steel plated and pinned.
32.	Any non-conductive, un-locatable, underground facility shall have a tracer wire or other similar conductive marking tape, or device placed the full length of the installed underground facility in compliance with the Oregon Utilities Notification Center rules, OAR Chapter 952.
33.	Trench backfill outside of ditch line may be native soil compacted at optimum moisture in twelve inch layers to not less than 95% relative maximum density.
34.	Native material that is unsatisfactory for compaction shall be disposed of off the work site and granular backfill used.
35.	Trench backfill in rock slope or shoulder shall be crushed 1"-0 or ¾"-0 size rock compacted at optimum moisture in eight-inch layers. Compaction tests shall be conducted according to the Manual of Field Test Procedures (MFTP), published by ODOT. Percent compaction shall be at least 95%maximum density. At the request of the District Manager or representative, results of compaction tests shall be provided to District Manager or representative at Applicant's expense.
36.	Where excavation is on fill slope steeper than a two to one (2:1) ratio, slope protection shall be provided using four-inch size rock laid evenly to a minimum depth of twelve inches.
37.	No more than 300 feet of trench longitudinally along the highway shall be left open at any one time and no trench shall be left in an open condition overnight.
38.	Areas of disturbed cut and fill slopes shall be restored to a condition suitable to the District Manager or representative. Areas of erosion to be inlaid with an acceptable riprap material.
39.	All underground utilities shall be installed with three-foot or more of horizontal clearance from existing or contract plans guardrail posts and attachments.
40.	Any area of cut or damaged concrete shall be restored in accordance with the attached Typical Section-Pipe Section under sidewalk.
41.	Utility markers, pedestals, and vaults shall be placed as near the highway right-of-way line as practical. In no case shall pedestals, vaults, and line markers be located within the area where highway maintenance activities regularly occur including mowing operations, or nearer the pavement edge than any official highway sign in the same general location.
42.	No cable plowing is allowed within the lateral support of the highway asphalt (e.g., at six feet lower than the edge of the asphalt, no plowing within nine feet of the edge of the asphalt).
43.	Review by the ODOT Bridge Engineer is required for all proposed bridge and structure attachments and for any facilities to be installed within sixteen feet of bridge foundations, supports, walls or related elements, or within the influence zone of bridge facilities.

MISCELLANEOUS

- Applicant shall be responsible and liable for (1) investigating presence/absence of any legally protected or regulated environmental resource(s) in the action area; (2) determining any and all restrictions or requirements that relate to the proposed actions, and complying with such, including but not limited to those relating to hazardous material(s), water quality constraints, wetlands, archeological or historic resources(s) state and federal threatened or endangered species, etc., (3) complying with all federal, state, and local laws, and obtaining all required and necessary permits and approvals.
- 45. If the Applicant impacts a legally protected/regulated resource, Applicant shall be responsible for all costs associated with such impact, including, but not limited to all costs of mitigation and rehabilitation, and shall indemnify, and hold ODOT harmless for such impacts and be responsible and liable to ODOT for any associated costs or claims that ODOT may have.
- A6. Plans are reviewed by ODOT in general only and do not relieve the Applicant from completing roadway improvements in a manner satisfactory to ODOT. The District Manager or representative may require field changes. When revisions are made in the field, Applicant is responsible to provide "as built" drawings, within 60 days from completion of roadway improvements, and shall submit them to the District Office issuing the permit.
- Applicant shall be responsible for locating and preserving all existing survey monumentation within the work area in accordance with ORS 209.150 and/or 209.155. If monumentation or its accessories are inadvertently or otherwise disturbed or destroyed, Applicant shall be responsible for all costs and coordination associated with its reestablishment by a professional licensed surveyor.
- Applicant shall be responsible to restore or replace any curbs or curb ramps damaged by the permitted activity according to ODOT's ADA Standards available at https://www.oregon.gov/ODOT/Engineering/Pages/Accessibility.aspx. Any review or inspection of the curbs or curb ramps conducted by ODOT does not relieve the Applicant of the responsibility to comply with any other aspect of federal, state, and local laws, rules and regulations applicable to the work allowed under the permit including but not limited to the Americans with Disabilities Act of 1990.
- 49. When constructing a minor roadway improvement, Applicant shall comply with all federal, state, and local laws, regulations, executive orders and ordinances applicable to the work under this permit, including, without limitation, the provisions of ORS 276.071. If Applicant chooses to assign their permitted responsibilities to a consultant or contractor, Applicant shall inform the consultant or contractor of the requirements of ORS 276.071.
- Upon completion of the permitted minor roadway improvement, Applicant shall notify ODOT and request final inspection. If all structures and appurtenances constructed under this permit are found to be in compliance with permit provisions and state standards, ODOT will accept ownership of the permitted structures and appurtenances by written notice to the Applicant.

2025 Marion County Resurfacing

Project:

Monitor McKee Road NE

From Howell Prairie Road NE to Woodburn Monitor Road NE

Construction Dates: June1, 2025 through August 29, 2025

Construction Hours: Between 7:00 A.M. and 5:00 P.M.

Contact:

Marion County Project Manager: Brandon Stoyles

Phone: 503-931-2087 Cell: 503-931-2087

BStoyles@co.marion.or.us

The project corridor is from Howell Prairie Road to Woodburn Monitor Road. Marion County expects to bid the project in March 2025.

The first phase of construction will be done under a lane closure with flaggers directing traffic through the work area.

During the second phase Monitor McKee Road will be closed at the Pudding River to perform repairs and maintenance on the bridge. The work requires a signed detour route that requires detour signs to be placed on ODOT right of way. The road will remain closed until all work at the bridge has been completed.

The paving operation will require flaggers to direct traffic on 214 when the contractor is paving away from the intersection. The contractor will be instructed to move the flaggers back on to county right of way as soon as possible.

MINIMUM LENGTHS TABLE								
"L	." VALUE							
A cores la la	W = Lane o	- Shoulder Wid	ith being close	d or shifted	BUFFER "B" (ft)			
★ SPEED (mph)	W ≤ 10	W = 12	W = 14	W = 16				
25	105	125	145	165	75			
30	150	180	210	240	100			
35	205	245	285	325	125			
40	265	320	375	430	150			
45	450	540	630	720	160			
50	500	600	700	800	210			
55	550	660	770	880	250			
60	600	720	840	960	285			
65	650	780	910	1000	325			
70	700	840	980	1000	365			
	FREEWAYS							
55	1000	1000	1000	1000	250			
60	1000	1000	1000	1000	285			
65	1000	1000	1000	1000	325			
70	1000	1000	1000	1000	365			

NOTES:

- For Lane closures where W < 10', use "L" value for W = 10'.
 For Shoulder closures where W < 10', use "L" value for W = 10' or calculate "L" usin formula, for Speeds ≥ 45: L = WS, Speeds < 45: L = S²W/60, S = Speed, W=Width

TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE						
★ SPEED (mph)		n Spacing	Max, Channelizing Device Spacing (ft)			
20 – 30	100	100	100	20		
35 – 40	350	350	350	20		
45 – 55	500	500	500	40		
60 – 70	700	700	700	40		
Freeway	1000	1500	2640	40		

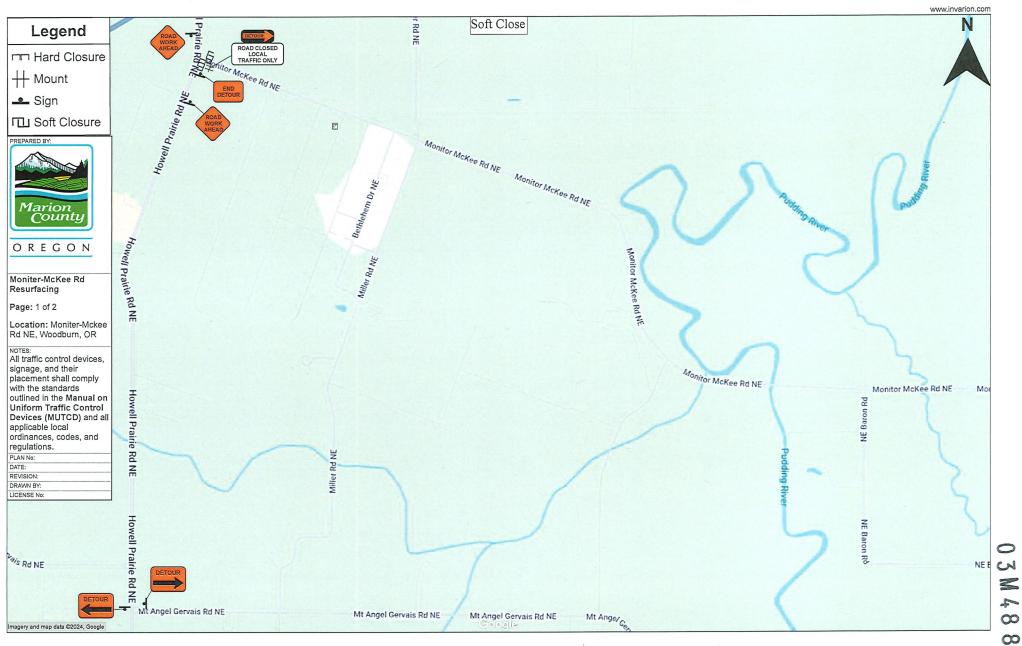
NOTES:

- Place traffic control devices on 10 ft. spacing for intersection and access radii.
 When necessary, sign spacing may be adjusted to fit site conditions,
 Limit spacing adjustments to 30% of the "A" dimension for all speeds,

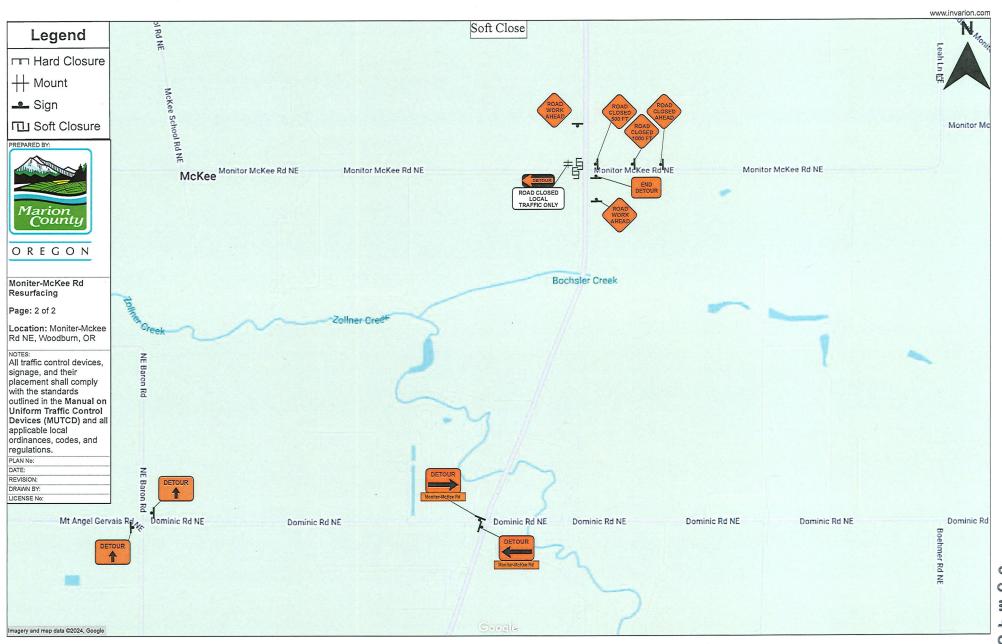
Traffic control will comply with the 2021 Oregon Standard Specifications for Construction as well as the following:

- ODOT "Oregon Temporary Traffic Control Handbook for Operations of Three Days or Less:
- Standard Drawings TM800, TM820, TM841 and TM850 as applicable.

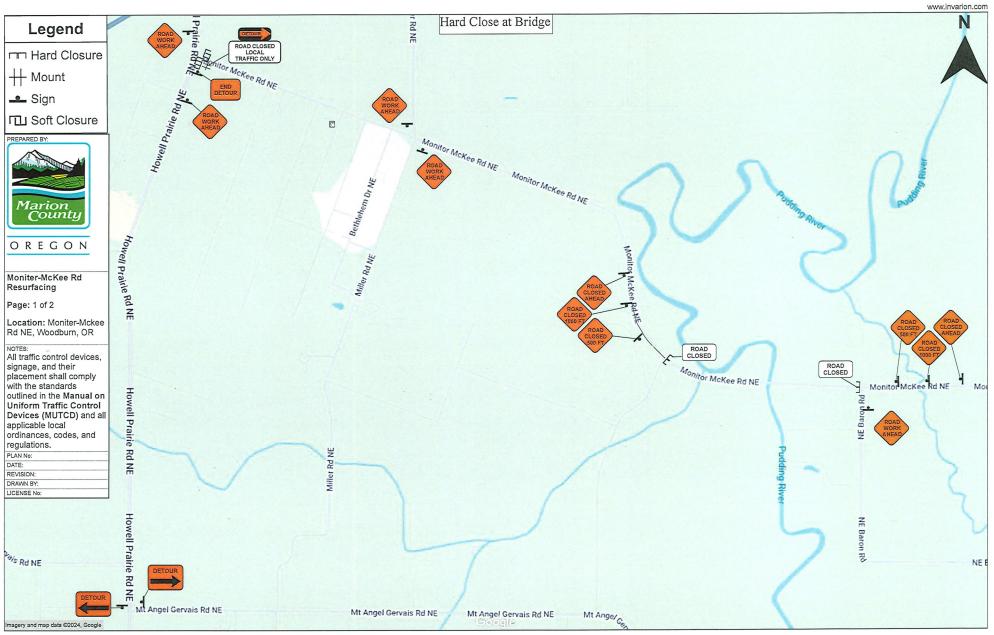
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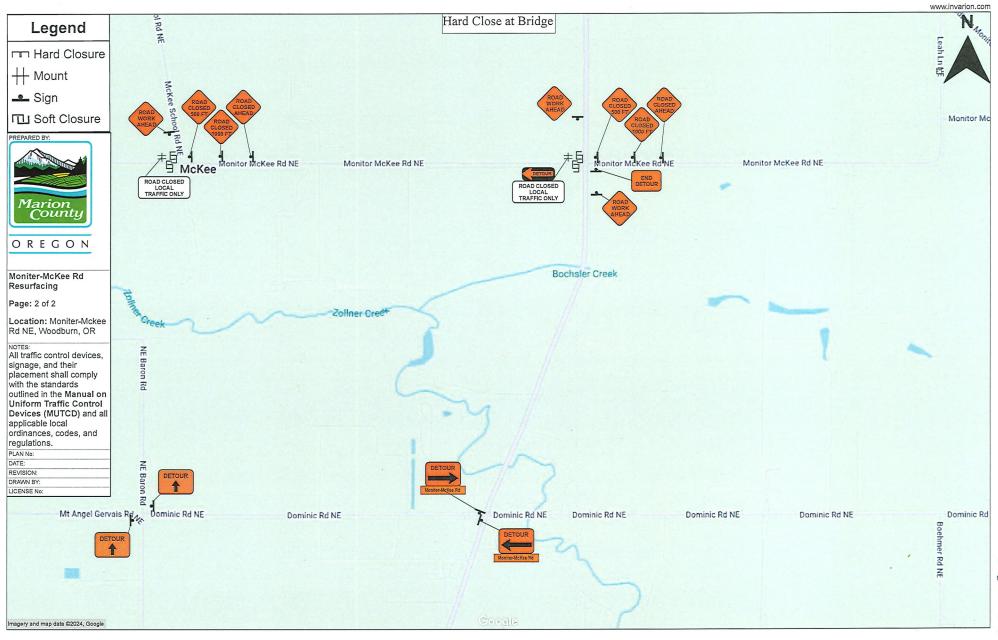






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TAPER TYPES & FORMULAS					
TAPER	FORMULA				
Merging (Lane Closure)	"L"				
Shifting	"L"/2 or ½"L"				
Shoulder Closure	"L"/3 or 1/3"L"				
Flagging (See Drg. TM850)	50' - 100'				
Downstream (Termination)	Varies (See Drawings)				

★ Use Pre-Construction Posted Speed to select the Speed from the Tables below:

TEMPORARY BARRIER FLARE RATE TABLE					
★SPEED (mph)	MINIMUM FLARE RATE				
≤ 30	8:1				
35	9:1				
40	10:1				
45	12:1				
50	14:1				
55	16:1				
60	18:1				
65	19:1				
70	20:1				

MI	NIM	JM L	ENG	THS	TABLE		
"1	"L" VALUE FOR TAPERS (ft)						
A cores ()	W = Lane o	r Shoulder Wic	th being close	ed or shifted	BUFFER "B" (ft)		
★ SPEED (mph)	W ≤ 10	W = 12	W = 14	W = 16			
25	105	125	145	165	75		
30	150	180	210	240	100		
35	205	245	285	325	125		
40	265	320	375	430	150		
45	450	540	630	720	180		
50	500	600	700	800	210		
55	550	660	770	880	250		
60	600	720	840	960	285		
65	650	780	910	1000	325		
70	700	840	980	1000	365		
	FREEWAYS						
55	1000	1000	1000	1000	250		
60	1000	1000	1000	1000	285		
65	1000	1000	1000	1000	325		
70	1000	1000	1000	1000	365		

NOTES:

For Lane closures where W < 10', use "L" value for W = 10'.
 For Shoulder closures where W < 10', use "L" value for W = 10' or calculate "L" using formula, for Speeds 2 45': L = WS, Speeds < 45': L = 5'-W/60, S = Speed, W=Width

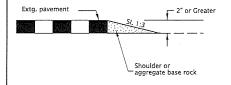
TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE						
★ SPEED (mph)	Sig	n Spacing	(ft)	Max. Channelizing		
,	Α	В	С	Device Spacing (ft)		
20 - 30	100	100	100	20		
35 - 40	350	350	350	20		
45 – 55	500	500	500	40		
60 – 70	700	700	700	40		
Freeway	1000	1500	2640	40		

NOTES:

- Place traffic control devices on 10 ft. spacing for intersection and access radii.
- When necessary, sign spacing may be adjusted to fit site conditions.
 Limit spacing adjustments to 30% of the "A" dimension for all speeds.

NOTES:

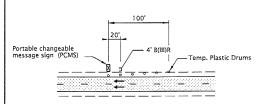
- When paved shoulders adjacent to excavations are less than four feet wide protect longitudinal abrupt edge as shown.
- Use aggregate wedge when abrupt edge is 2 inches or greater.



EXCAVATION ABRUPT EDGE

NOTES:

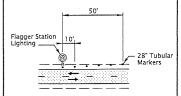
- Install PCMS beyond the outside shoulder, when possible.
- Use the appropriate type of barricade panels for PCMS location. Right shoulder, use Type B(III)R Left shoulder, use Type B(III)L
- Use six drums in shoulder taper on 20' spacing. The drums and barricade may be omitted when PCMS is placed behind a roadside barrier.
- Detail as shown is used for trailered and non-crashworthy components of:
 - Portable Traffic Signals
 Smart Work Zone Systems



PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) INSTALLATION

NOTES:

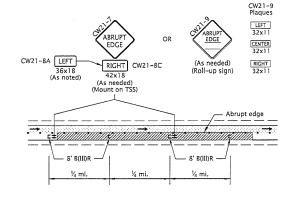
- Install Flagger Station Lighting beyond the outside shoulder, where practical.
- Use six tubular markers in shoulder taper on 10' spacing.
- Place cart / generator / power supply off of the shoulder, as far as practical.



FLAGGER STATION LIGHTING DELINEATION

NOTES:

- Abrupt edges may be created by paving, operations, excavations or other roadway work. Use abrupt edge signing for longitudinal abrupt edges of 1 inch or greater.
- If the excavation is located on left side of traffic, replace the 8' B(IIIB barricades with 8' B(IIID) barricades and replace the "RIGHT" (CW21-8C) riders with "LEFT" (CW21-8A) riders.
- Continue signing and other traffic control devices throughout excavation area at spacings shown.
- If roll-up signs are used, attach the correct (CW21-9) plaques to the sign face using hook and loop fasteners. Place roll-up signs in advance of barricades.



TYPICAL ABRUPT EDGE DELINEATION

GENERAL NOTES FOR ALL TCP DRAWINGS:

- Signs and other Traffic Control Devices (TCD) shown are the minimum required.
- Place a barricade approx. 20' ahead of all sequential arrow boards.
- Arrows shown in roadway are directional arrows to indicate traffic movements.
- All signs are 48" x 48" unless otherwise show Use fluorescent orange sheeting for the background of all temporary warning signs.
- 28" Tubular Markers See TCD Spacing Table for max. spacing.

o o Temp. Plastic Drums

See TCD Spacing Table for max. spacing.

- UNDER TRAFFIC UNDER CONSTRUCTION
- All diamond shaped warning signs mounted on barrier sign supports shall be 36" by 36".
 All other signs mounted on barrier sign supports shall not exceed 12 sq. ft. in total sign area.
- Low speed highways have a pre-construction posted speed of 40 mph or less.
 High speed highways have a pre-construction posted speed of 45 mph or higher.
- Do not locate sign supports in locations designated for bicycle or pedestrian traffic.
- Combine drawing details to complete temporary traffic control for each work activity.
- Coordinate and control pedestrian movements through a Temporary Accessible Route using Flaggers, Traffic Control Measures, or as directed.
- Provide a truck mounted attentuator (TMA) to protect the active work area on high speed divided highways or freeways when positive protection is not available, or as directed.
- To be accompanied by Dwg. Nos. TM820 & TM821.

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

the current Oregon Standard Specifications. OREGON STANDARD DRAWINGS TABLES, ABRUPT EDGE AND PCMS DETAILS

All materials shall be in accordance with

> SDR DATE 12-JUL-2024

Effective Date: December 1, 2024 - May 31, 2025

CALC.

TM800

