

MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT STPP 60-2(131)60

SCRUB SEAL & BRIDGE DECK REPAIRS

RICEVILLE - NORTH & SOUTH

CASCADE COUNTY

SHEET NO.

01

TITLE SHEET

PROJECT DESIGN DATA

PRESENT	2025	A.D.T. = 530
LETTING	2026	A.D.T. = 540
DESIGN	2046	A.D.T. = 660
		D.H.V. = 100
		TRUCKS = 14.2%
		V. = 45 MPH
		18 KIP ESAL'S = 23 DAILY
		ANNUAL GROWTH RATE = 1.0%

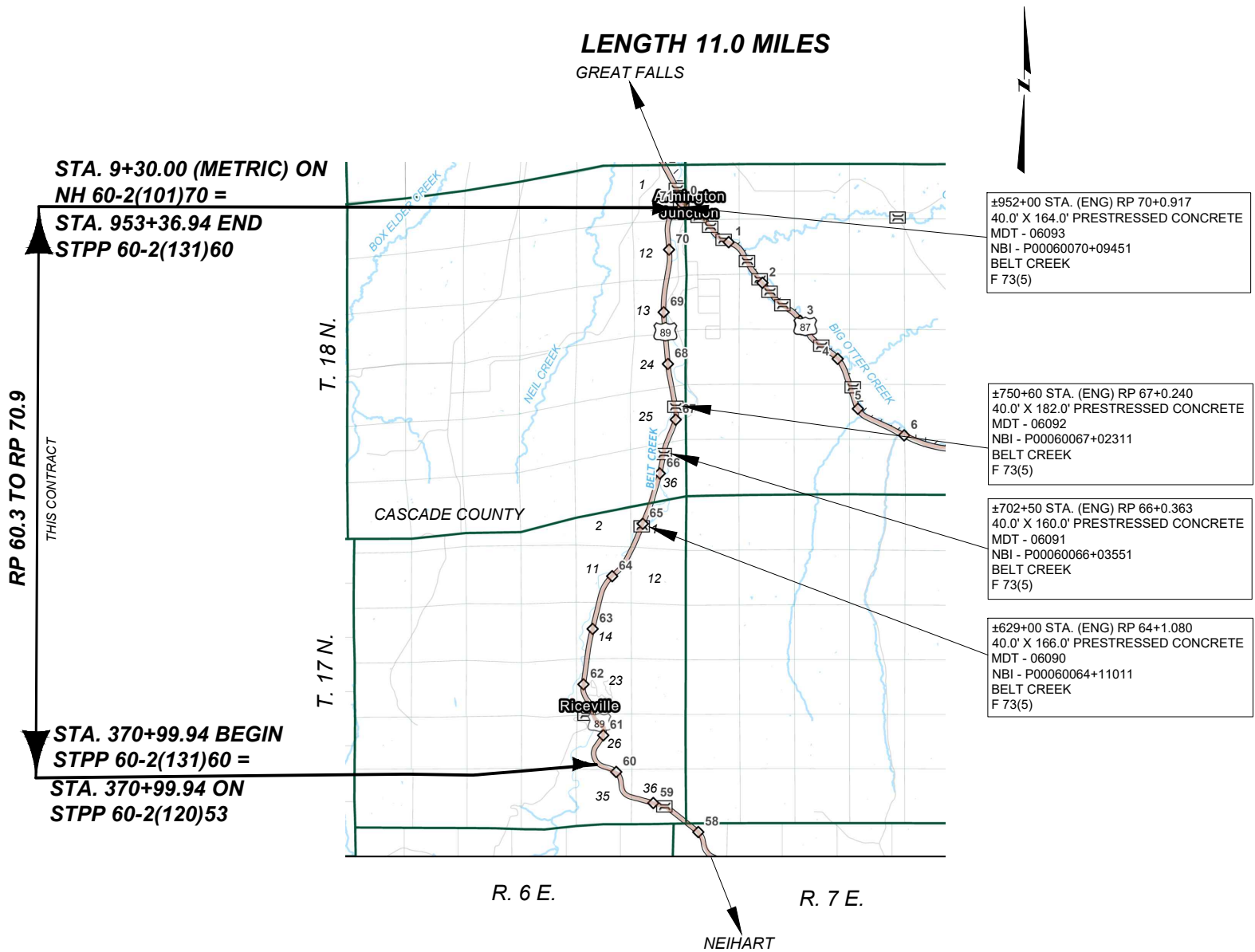
SURFACING SOURCES -  
CONTRACTOR FURNISHED

PROJECT DESIGN DATA

PRESENT	2025	A.D.T. = 870
LETTING	2026	A.D.T. = 880
DESIGN	2046	A.D.T. = 1080
		D.H.V. = 170
		TRUCKS = 8.9%
		V. = 55 MPH
		18 KIP ESAL'S = 24 DAILY
		ANNUAL GROWTH RATE = 1.0%

PROJECT DESIGN DATA

PRESENT	2025	A.D.T. = 730
LETTING	2026	A.D.T. = 740
DESIGN	2046	A.D.T. = 900
		D.H.V. = 140
		TRUCKS = 10.5%
		V. = 55 MPH
		18 KIP ESAL'S = 24 DAILY
		ANNUAL GROWTH RATE = 1.0%



PROJECT NAME

RICEVILLE - NORTH & SOUTH

COUNTY

CASCADE

PROJECT ID

STPP 60-2(131)60

UPN

10383000

DESIGNED BY

C. BASZLER

07/2024

REVIEWED BY

R. SNYDER

11/2025

CHECKED BY

J. CERCK

01/2026

10383000RDTT001.DWG



ROAD PLANS

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ROAD PLANS

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SHEET NO.

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SHEET NO.

B1
B2
B3

NOTES

BASIS OF PLAN QUANTITIES

(QUANTITIES FOR ESTIMATING PURPOSES ONLY)	
BITUMINOUS MATERIAL	= 8.5 LBS. PER GAL.
SCRUB SEAL EMULSION	= 0.42 GAL. PER SQ. YARD
SCRUB SEAL COVER	= 25 LBS. PER SQ. YARD
EMULSIFIED ASPHALT - TACK (ALL OTHER SURFACES)	= 0.05 GAL. PER SQ. YARD (UNDILUTED)
COMP. WEIGHT OF PL. MIX BIT. SURF.	= 3855 LBS. PER CUBIC YARD
EMULSIFIED ASPHALT - FOG SEAL (RUMBLE STRIPS)	= 0.10 GAL. PER SQ. YARD (UNDILUTED)

AS-BUILTS

FOR HORIZONTAL ALIGNMENT AND STATIONING, REFER TO THE FOLLOWING "AS-BUILT" PROJECT(S):
STPP 60-2(98)60 (SEAL & COVER/GUARDRAIL, 2013)
STPP 60-2(47)60 (PMS OVERLAY, 2001)
F-73(5) (NEW CONSTRUCTION, CURRENT ALIGNMENT, 1969)

UTILITIES

CALL THE UTILITIES UNDERGROUND LOCATION CENTER (811) OR OTHER NOTIFICATION SYSTEM FOR THE MARKING AND LOCATION OF ALL LINES AND SERVICES BEFORE EXCAVATING. ALL CLEARANCES OR DEPTHS PROVIDED FOR UTILITIES ARE FROM EXISTING GROUND LINE.

WETLANDS

WETLANDS MAY EXIST ADJACENT TO THE ROADWAY AND BEYOND THE PROJECT LIMITS. A WETLAND DELINEATION HAS NOT BEEN COMPLETED FOR THIS PROJECT. IMPACTS TO WETLAND AREAS ARE NOT ANTICIPATED IN ASSOCIATION WITH THE PROPOSED WORK. NO PERMITS HAVE BEEN OBTAINED. ANY ACTION IMPACTING WETLAND AREAS WITHOUT THE APPROPRIATE PERMITTING IS THE RESPONSIBILITY OF THE CONTRACTOR.

SHEET NO.

02

NOTES & TABLE OF CONTENTS

PROJECT NAME  
RICEVILLE - NORTH & SOUTH

COUNTY

CASCADE

PROJECT ID

STPP 60-2(131)60

UPN

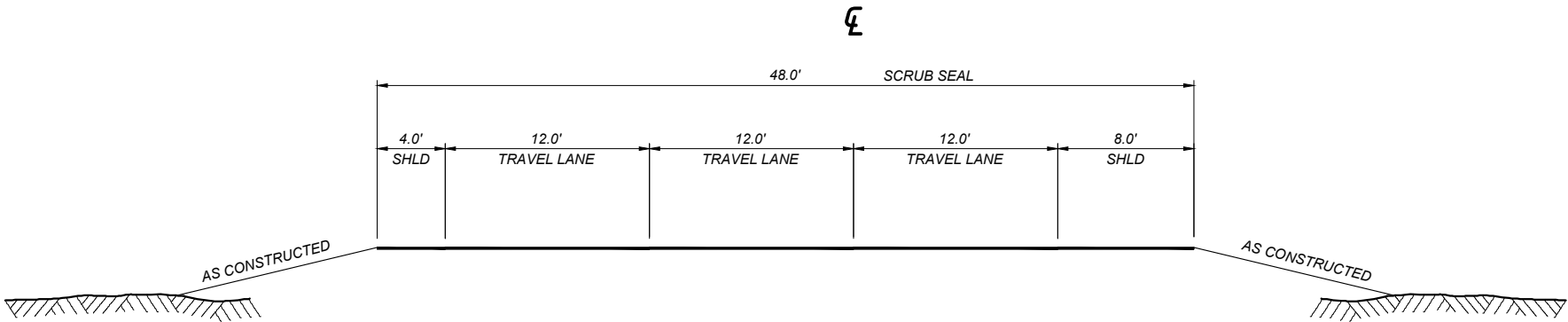
10383000



ROAD PLANS

TYPICAL SECTION NO. 1

MAINLINE



QUANTITIES			
UNIT	AGGREGATE	UNIT	BITUMINOUS MATERIAL
	SCRUB SEAL COVER		SCRUB SEAL EMULSION
AREA square feet	533	square yards PER STATION	533
cubic yards PER STATION		tons PER STATION	0.95
tons PER STATION		gals. PER STATION	
square yards PER STATION			

370+99.94		BEGIN PROJECT
	TO 392+75.00	
392+75.00	TO 393+50.00	TRANS. TYP. SEC. NO. 1 TO NO. 2
403+10.00	TO 447+75.00	
447+75.00	TO 448+80.00	TRANS. TYP. SEC. NO. 1 TO NO. 2
454+00.00	TO 457+77.00	
457+77.00	TO 458+20.00	TRANS. TYP. SEC. NO. 1 TO NO. 2

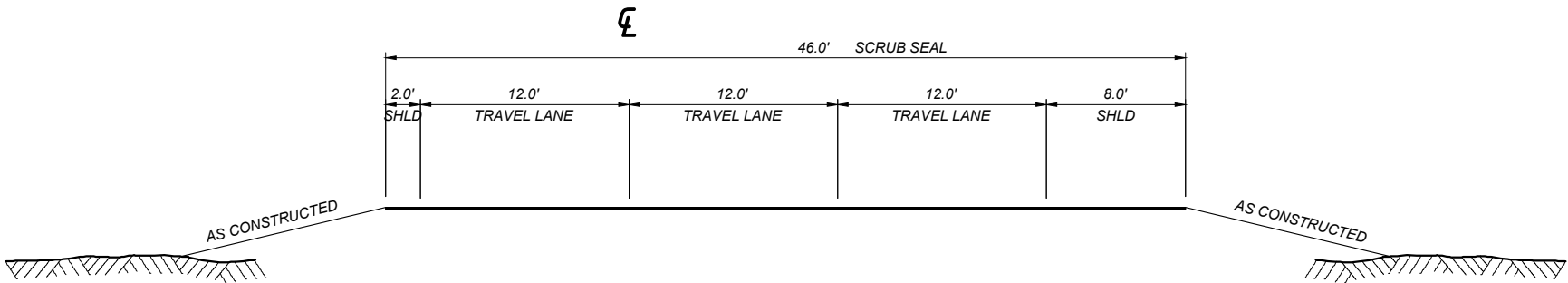
SHEET NO.

03

TYPICAL SECTIONS

TYPICAL SECTION NO. 2

MAINLINE



QUANTITIES			
UNIT	AGGREGATE	UNIT	BITUMINOUS MATERIAL
	SCRUB SEAL COVER		SCRUB SEAL EMULSION
AREA square feet	511	square yards PER STATION	511
cubic yards PER STATION		tons PER STATION	0.91
tons PER STATION		gals. PER STATION	
square yards PER STATION			

393+50.00	TO 402+50.00	
402+50.00	TO 403+10.00	TRANS. TYP. SEC. NO. 2 TO NO. 1
448+80.00	TO 453+75.00	
453+75.00	TO 454+00.00	TRANS. TYP. SEC. NO. 2 TO NO. 1
458+20.00	TO 467+70.00	
467+70.00	TO 468+40.00	TRANS. TYP. SEC. NO. 2 TO NO. 3

PROJECT NAME  
RICEVILLE - NORTH & SOUTH

COUNTY

CASCADE

PROJECT ID

STPP 60-2(131)60

UPN

10383000

DESIGNED BY

C. BASZLER 07/2024

REVIEWED BY

R. SNYDER 11/2025

CHECKED BY

J. CERECK 01/2026

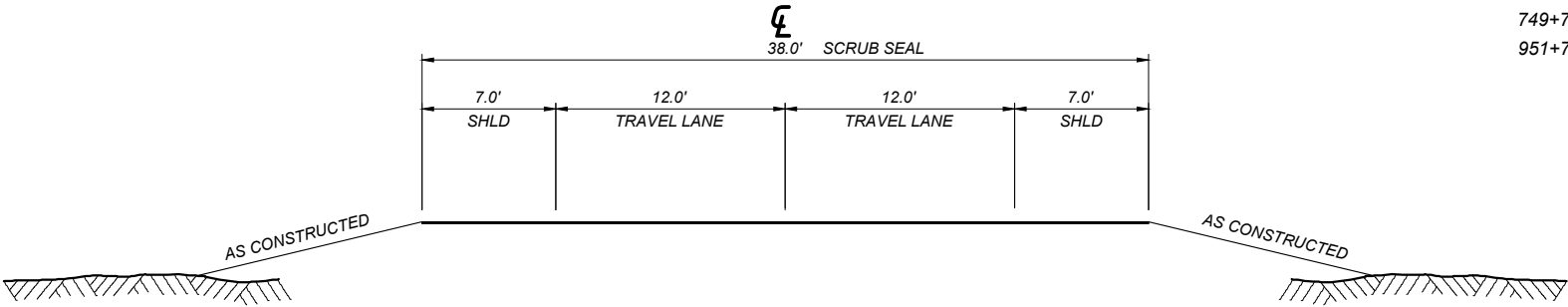
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ROAD PLANS

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TYPICAL SECTION NO. 3  
MAINLINE




QUANTITIES			
UNIT	AGGREGATE	UNIT	BITUMINOUS MATERIAL
	SCRUB SEAL COVER		SCRUB SEAL EMULSION
AREA square feet		square yards PER STATION	422
cubic yards PER STATION		tons PER STATION	0.75
tons PER STATION		gals. PER STATION	
square yards PER STATION	422		

468+40.00	TO	625+72.13	
625+72.13			SEE BRIDGE END CONNECTION DETAIL
628+22.13	BE TO	629+88.46	BE MDT BRIDGE 06090
	TO	632+38.46	SEE BRIDGE END CONNECTION DETAIL
632+38.46			
701+76.36	BE TO	703+36.66	BE MDT BRIDGE 06091
749+73.77	BE TO	751+56.75	BE MDT BRIDGE 06092
951+72.87	BE TO	953+36.94	BE MDT BRIDGE 06093
	TO	953+36.94	END PROJECT

SHEET NO.  
04

TYPICAL SECTIONS

 <b>MONTANA</b> Department of Transportation	DESIGNED BY		PROJECT NAME	
	C. BASZLER	07/2024	RICEVILLE - NORTH & SOUTH	
	REVIEWED BY		COUNTY	CASCADE
<b>ROAD PLANS</b>	R. SNYDER		PROJECT ID	
	11/2025		STPP 60-2(131)60	
	CHECKED BY		UPN	10383000
J. CERECK		01/20226		
		10383000RDTYP001.DWG		
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## SUMMARY

COLD MILLING *				
STATION		sq. yards	REMARKS	
		COLD MILLING		
FROM	TO	0.20 ft		
625+72.13	628+22.13	1,055		38.0' WIDE BRIDGE END CONNECTION MDT BRIDGE 06090
629+88.46	632+38.46	1,055	38.0' WIDE BRIDGE END CONNECTION MDT BRIDGE 06090	
SUBTOTAL		2,110		
TOTAL		2,110		

## PAVEMENT MARKINGS

# BASED ON 1 APPLICATION.

## RUMBLE STRIPS

# FOR INFORMATION ONLY, INCLUDE IN THE COST OF RUMBLE STRIPS

STATION		linear feet				FOR	AGGREGATE		BITUMINOUS MATERIAL		REMARKS
		GROSS	NET	+	-		sq. yards	tons	tons	gals.	
							COVER TYPE 2	COMMERCIAL MIX 3/8" PG 58H- 34	SCRUB SEAL EMULSION	EMULSIFIED ASPHALT TACK	
FROM	TO										
416+13.25	427+74.03				SCENIC OVERLOOK	4,000		7.1		AREA MEASURED IN CAD	
625+72.13	628+22.13 BE	250.00			BRIDGE END CONNECTION #		143		55.0	MDT BRIDGE 06090	
629+88.46	632+38.46	250.00			BRIDGE END CONNECTION #		143		55.0	MDT BRIDGE 06090	
SUBTOTAL		~	~	~		4,000	286	7.1	110.0		

## TEMPORARY GUARDRAIL

STATION		linear feet				each				REMARKS
		TEMPORARY BARRIER RAIL		RESET TEMPORARY BARRIER RAIL		TEMPORARY IMPACT ATTENUATOR		RESET TEMPORARY IMPACT ATTENUATOR		
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	
FROM	TO									
627+42.13 BE	630+68.46 BE	330		330		2		2		MDT BRIDGE 06090
SUBTOTAL		330.0	0.0	330	0	2	0	2	0	
TOTAL		330		330		2		2		

DETAIL



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C. BASZLER		07/2024	RICEVILLE - NORTH & SOUTH				
REVIEWED BY			COUNTY	CASCADE			
R. SNYDER		11/2025	PROJECT ID	STPP 60-2(131)60			
CHECKED BY			UPN	10383000			
J. CERECK		01/2026					
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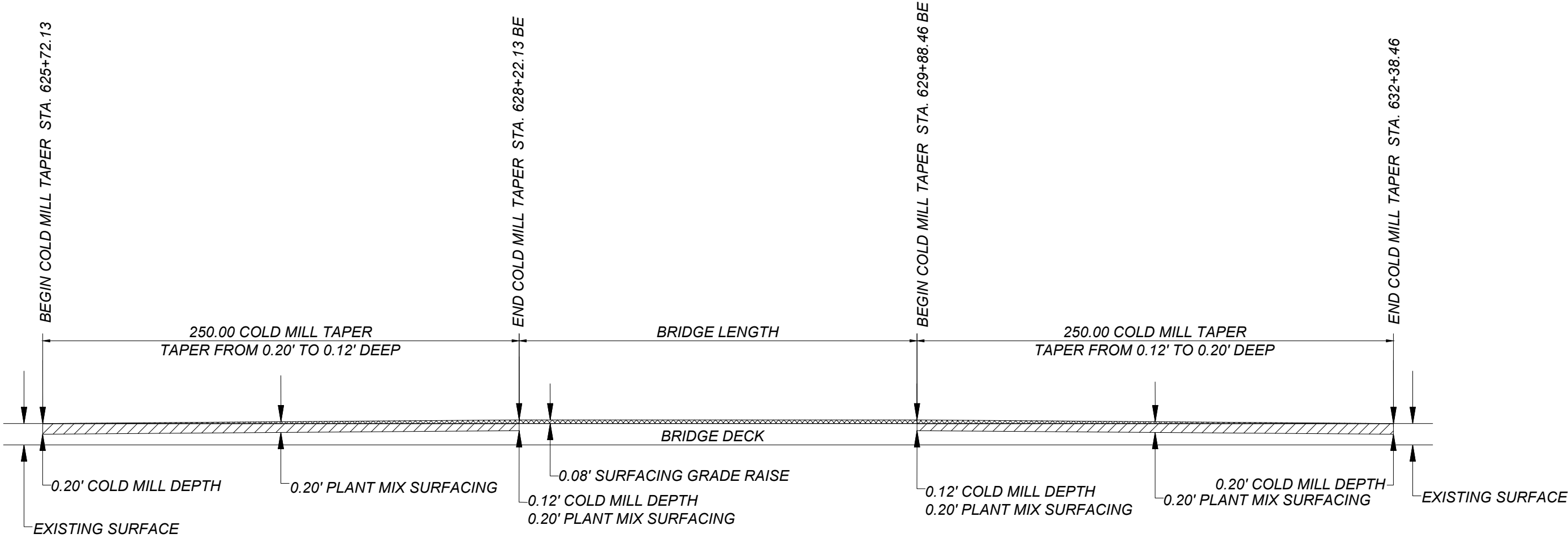
SHEET NO.

06

SCENIC OVERLOOK

STA 415+62 TO STA 427+92

BRIDGE END COLD MILLING



SHEET NO.		07		
BRIDGE END COLD MILLING		MDT BRIDGE 06090		
PROJECT NAME		RICEVILLE - NORTH & SOUTH		
COUNTY		CASCADE		
PROJECT ID		STPP 60-2(131)60		
UPN		10383000		
DESIGNED BY	C. BASZLER	07/2024	10383000RDE001.DWG	
REVIEWED BY	R. SNYDER	11/2025		
CHECKED BY	J. CERECK	01/2026		
MONTANA Department of Transportation		ROAD PLANS		
2/11/2026 3:23 PM				

ASSOCIATED PROJECT AGREEMENT NUMBERS	
P.E.	STPP 60-2(130)60

BRIDGE IDENTIFICATION	
MDT STR ID	NBI NUMBER
06090	P00060064+11011
06091	P00060066+03551
06092	P00060067+02311
06093	P00060070+09451

MONTANA DEPARTMENT OF TRANSPORTATION

BRIDGE PLANS AND QUANTITIES

FEDERAL AID PROJECT STPP 60-2(131)60

RICEVILLE - NORTH & SOUTH

CASCADE COUNTY

Signed by:

BYAndin Cullison

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DATE4/30/2026



SHEET NO.  
B1

LIST OF DRAWINGS AND  
ESTIMATED BRIDGE PLAN  
QUANTITIES

SCALES SHOWN ON BRIDGE PLANS SHEETS  
ARE FOR HALF SIZE (11X17) PRINTS  
FULL SIZE PRINTS ARE APPROXIMATELY TWICE  
ORIGINAL SCALE

LIST OF DRAWINGS

SHEET NO.	DWG. NO.	SHEET TITLE
B1	21141	LIST OF DRAWINGS AND ESTIMATED BRIDGE PLAN QUANTITIES
B2	21142	GENERAL NOTES & BRIDGE DECK REPAIR
B3	21143	REMOVE GUARD ANGLE AND OVERLAY TREATMENT AT DRAINS

ESTIMATED BRIDGE PLAN QUANTITIES										
MDT I.D. STRUCTURE NUMBER	FEATURE INTERSECTED	GENERAL LAYOUT DRAWING NUMBER	REMOVE GUARD ANGLE (LN.FT.)	TRANSVERSE DECK GROOVING (YD²)	BRIDGE DECK CRACK SEAL (YD²)	BRIDGE DECK MILLING (YD²)	* CLASS A BRIDGE DECK REPAIR (YD²)	* CLASS B BRIDGE DECK REPAIR (YD²)	CONCRETE - CLASS OVERLAY (YD²)	** ESTIMATED OVERLAY VOLUME (YD³)
06090	BELT CREEK	8246	97.7	695.0	735.2	727.1	30.0		727.1	40.4
06091	BELT CREEK	8254	92.4		708.2		50.0			
06092	BELT CREEK	8261	85.1		812.2		20.0			
06093	BELT CREEK	8268	81.2		729.7		15.0			
PROJECT TOTAL			356.4	695.0	2985.3	727.1	115.0	5.0	727.1	40.4

\* **NOTE:** Class A & B Deck Repair areas are not identified in the Contract. Class A Deck Repair quantities are based on bridge inspection reports. Class B Deck Repair quantity is provided for contingency if needed. The Project Manager will identify and authorize any deck repair.

\*\* **NOTE:** Estimated overlay concrete volume will not be measured for payment. The quantities shown will be used to determine overrun quantites for payment, if applicable.

REVISED  
REVISED  
REVISED  
REVISED


CHECKED  
DRAWN  
DESIGNED

11-25-25  
9-30-25  
6-5-25

D.C.M.  
D.G.G.\G.J.N.  
D.C.M.

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MONTANA  
Department of Transportation

  
BRIDGE BUREAU

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UPN NUMBER  
10383000

DRAWING NO.  
21141

GENERAL NOTES

SPECIFICATIONS:

Plans were prepared from original drawings and as-built drawings. No additional survey information was procured for this project. Existing structure dimensions may vary from those shown on the drawings. Verify all dimensions necessary to complete the work.

The current version of the Standard and Supplemental Specifications for Road and Bridge Construction, adopted by the Montana Department of Transportation, applies.

See Standard Specifications and Special Provisions for Traffic Control and Sequence of Operations.

All dimensions are in feet and inches except as noted. Verify all necessary dimensions of the existing structures in the field before ordering materials. Obtain approval of shop plans from the State of Montana, Department of Transportation before beginning fabrication. If the dimensions and details of the existing structure are not as shown on the plans, vary construction as necessary to best suit existing conditions and the nature of the intended work.

NEW REINFORCING STEEL:

Use new deformed type reinforcing steel meeting the requirements of AASHTO M 31 Grade 60.

EXISTING REINFORCING STEEL (To Remain):

Remove hardened concrete and all other bond inhibiting materials from the existing reinforcing steel before placing fresh concrete.

Replace existing reinforcing steel that is damaged during construction at no additional cost to the state. A bar is considered damaged if less than 75% of the bar diameter remains.

Replace all existing reinforcing steel that has corroded to the point that less than 75% of the bar diameter remains.

Repair damaged epoxy coating on the existing reinforcing steel with a coating that is specifically designed for repairing epoxy coated reinforcing steel.

Include the cost of cleaning existing reinforcing, replacing corroded reinforcing, and repairing epoxy coating in associated items of work.

BRIDGE DECK REPAIR:

Establish a control elevation at each bridge before removing or milling the deck.

See the bridge deck repair section of the Standard Specifications for allowable repair concrete options.

Do not allow traffic onto the repaired deck until the repair concrete has reached 3500-psi compressive strength minimum.

Submit for approval any substitution of rapid setting Portland cement concrete for Concrete Class Deck or Concrete Class Structure. Traffic will not be permitted on concrete repairs until the specified strength is attained.

CONTROL SURVEY:

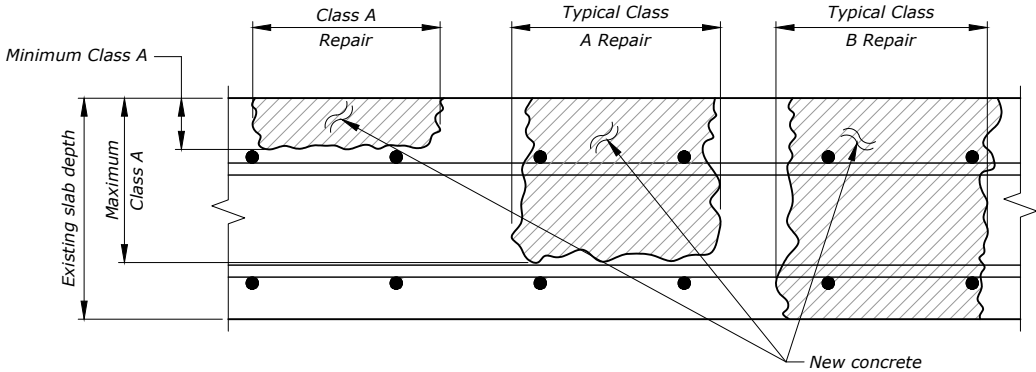
Before performing Bridge Deck Milling, survey the existing deck finished surface to establish control elevations. Submit survey to the Project Manager for approval before beginning the deck milling. Include all costs associated with this work in the unit price bid for Bridge Deck Milling.

ACRONYMS AND ABBREVIATIONS:

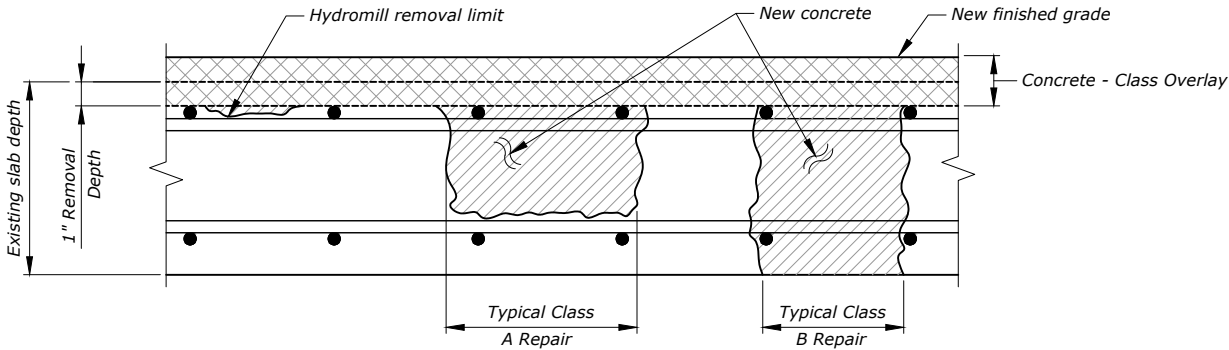
F.F. Denotes Fill Face.

TABLE OF DECK TREATMENTS					
MDT I.D. STRUCTURE NUMBER	FEATURE INTERSECTED	DECK TREATMENT	DEPTH REMOVAL	MINIMUM OVERLAY THICKNESS	TOTAL GRADE RAISE
06090	BELT CREEK	* CONCRETE OVERLAY (THICK)	1"	2"	1"
		BRIDGE DECK CRACK SEAL			
06091	BELT CREEK	BRIDGE DECK CRACK SEAL			
06092	BELT CREEK	BRIDGE DECK CRACK SEAL			
06093	BELT CREEK	BRIDGE DECK CRACK SEAL			

\* Apply a Bridge Deck Crack Seal to the concrete overlay no sooner than 28-days from the placement of the overlay or as allowed by the crack seal manufacturer. Transverse deck groove before applying the bridge deck crack seal.



BRIDGE DECK REPAIR DEFINITION  
(06091, 06092, 06093)



NOTE: Reinforcing steel may be located above the milling limit.

BRIDGE DECK REPAIR AND CONCRETE OVERLAY DEFINITION  
(06090)

TABLE OF PHASE CONSTRUCTION TEMPORARY ROADWAY WIDTHS	
MDT STRUCTURE ID	MINIMUM TEMPORARY ROADWAY WIDTH
06090	17'-0"
06091	17'-0"
06092	17'-0"
06093	17'-0"

NOTE: See Road Plans for Temporary/Reset Temporary Barrier Rail quantities.

SHEET NO.  
B2

GENERAL NOTES & BRIDGE  
DECK REPAIR

SCALE: No Scale

PROJECT NAME  
RICEVILLE - NORTH & SOUTH

MDT STRUCTURE ID  
06090, 06091, 06092, 06093

FEDERAL AID PROJECT  
STPP 60-2(131)60

COUNTY  
CASCADE

REVISED  
REVISED  
REVISED  
REVISED

CHECKED  
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DESIGNED

11-25-25  
9-30-25  
6-5-25

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MONTANA  
Department of Transportation

BRIDGE BUREAU

2/24/2026 11:48:19 AM

UPN NUMBER  
10383000

DRAWING NO.  
21142

		REVISED		FEDERAL AID PROJECT <b>STPP 60-2(131)60</b>	PROJECT NAME <b>RICEVILLE - NORTH &amp; SOUTH</b>	REMOVE GUARD ANGLE AND OVERLAY TREATMENT AT <b>DRAINS</b>	SHEET NO. B3
		REVISED					
		REVISED		COUNTY <b>CASCADE</b>	MDT STRUCTURE ID <b>06090, 06091, 06092, 06093</b>	SCALE: No Scale	
		REVISED					
		CHECKED	D.C.M.	11-25-25			
		DRAWN	D.G.G./G.J.N.	9-30-25			
		DESIGNED	D.C.M.	5-5-25			
UPN NUMBER 10383000		10383000BRREH001.dwg \ REH001					
DRAWING NO. 21143		2/24/2026 11:48:24 AM					