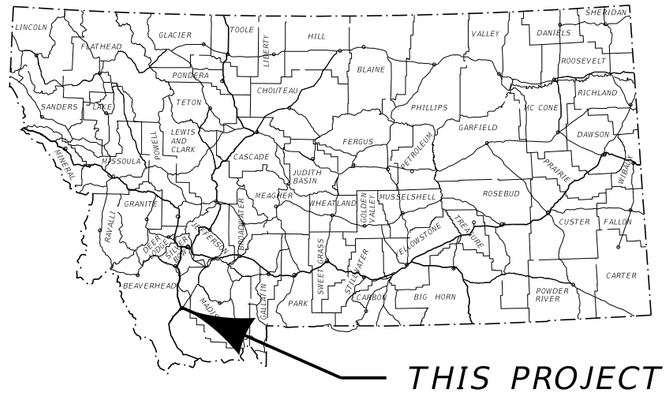
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MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT NH 89-1(20)2
MILL, SCRUB SEAL, PMS OVERLAY, S & C
N INTERCHANGE RD-DILLON (N-89)
BEAVERHEAD COUNTY

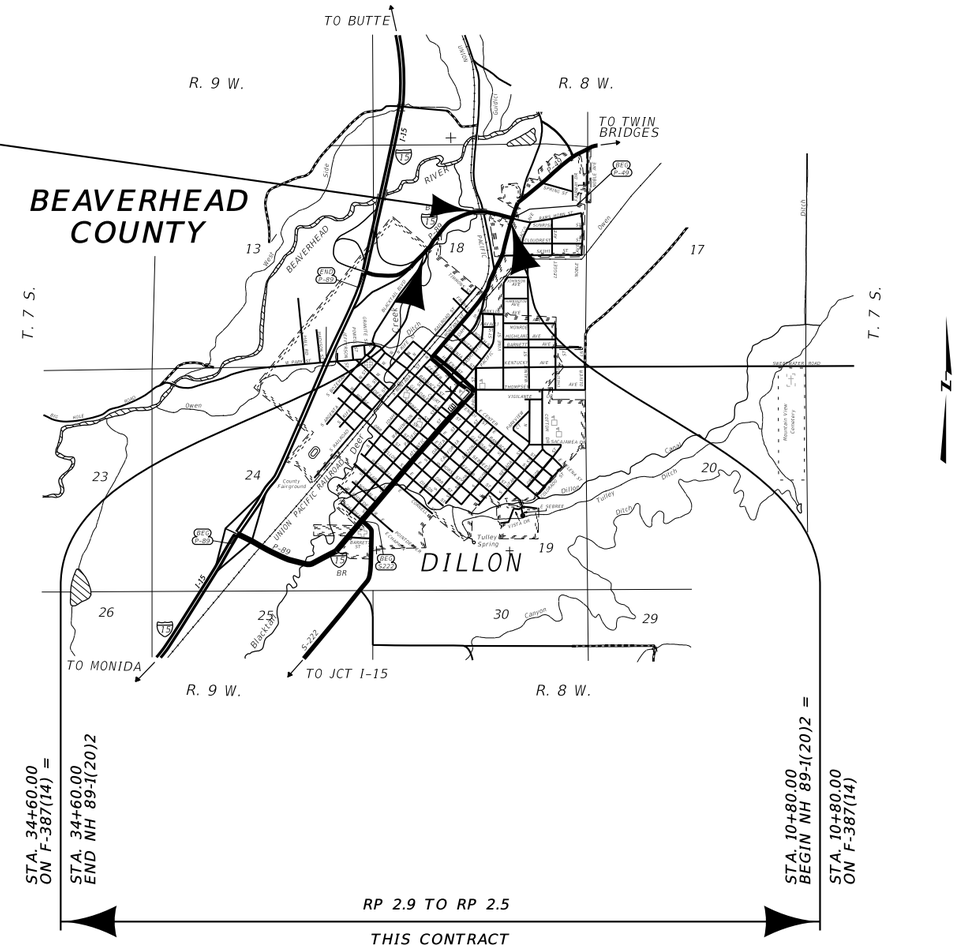
N INTERCHANGE RD-DILLON (N-89)

PRESENT	2022	A.D.T. = 4,670
LETTING	2023	A.D.T. = 4,740
DESIGN	2043	A.D.T. = 6,390
		D.H.V. = 630
		TRUCKS = 5.9%
		V. = 50 MPH
		18 KIP ESAL'S = 173 DAILY
		GROWTH RATE = 1.5% ANNUALLY

LENGTH 0.5 MILES

SURFACING SOURCES -
CONTRACTOR FURNISHED

STA. 17+58.10 RP 2.603 (P-89)
NBI P00089002+06021
MDT BRIDGE ID 06258
321.0' X 43.5' CONCRETE BRIDGE
LOCAL-BLACKTAIL CR-RR
THIS CONTRACT



3	MONTANA Department of Transportation	C:\DGN\9876000rdtl001.dgn	DESIGNED BY	B. BOONE	3/1/2022	ROAD PLANS
2		5/11/2023	REVIEWED BY	J. BRAZILL	2/17/2023	
		2:07:13 PM CPS - U6908	CHECKED BY	T. JOHNSON	3/15/2023	UPN 9876000

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TABLE OF CONTENTS

ROAD PLANS	SHEET NO.
TITLE SHEET	1
TABLE OF CONTENTS	2
NOTES	2
LINEAR DATA	2
TYPICAL SECTIONS	3
SUMMARIES	4
SURFACING	4
APPROACH SLABS	4
GUARDRAIL	4
PAVEMENT MARKINGS	4
COLD MILLING	4
TEMPORARY BARRIER RAIL	4
CURB	4
REVEGETATION	4
DETAILS	5-7
TEMPORARY MILLING CONNECTION	5
TEMPORARY BARRIER RAIL FOR BRIDGE DECK REPAIR	6
APPROACH SLAB REMOVAL	7
PLAN	8
STRIPING DETAILS	8
BRIDGE PLANS	
BRIDGE PLANS	B1-B5

NOTES

BASIS OF PLAN QUANTITIES

(QUANTITIES FOR ESTIMATING PURPOSES ONLY)

COMP. AGGREGATE WEIGHT	= 3700 LBS. PER CUBIC YARD
COMP. WEIGHT OF PL. MIX BIT. SURF.	= 3855 LBS. PER CUBIC YARD
BITUMINOUS MATERIAL	= 8.5 LBS. PER GAL.
EMULSIFIED ASPHALT - TACK (ALL OTHER SURFACES)	= 0.05 GAL. PER SQ.YARD (UNDILUTED)
SEAL	= 0.42 GAL. PER SQ.YARD
SCRUB SEAL	= 0.42 GAL. PER SQ.YARD
COVER	= 25 LBS. PER SQ.YARD

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.

AS-BUILTS

NH 89-1(12)2 (OVERLAY - 2015)
STTP 89-1(18)2
I 15-1(49)62 (NEW CONST. - 1974)
F 387(14)

STATIONING

STATIONING USED IN PLANS WAS GENERATED BY A BEST FIT METHOD.
IT IS NOT INTENDED TO BE EXACT, BUT REPRESENTS LOCATIONS WHERE WORK IS REQUIRED.

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.

LINEAR DATA

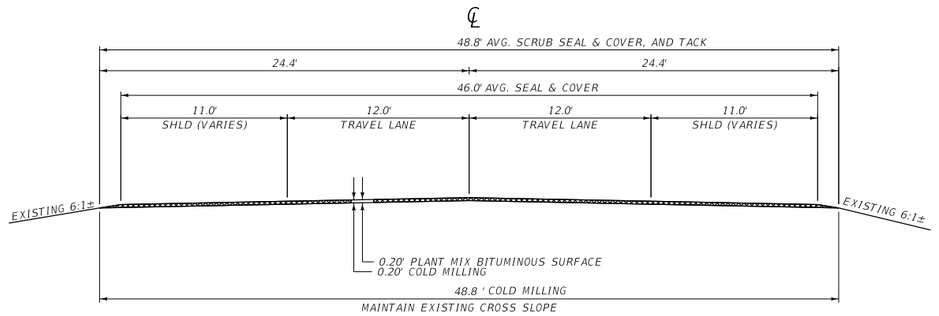
LENGTH OF ROADWAY	BEAVERHEAD COUNTY	2 LANE RURAL	2,059.00 ft
LENGTH OF BRIDGE	BEAVERHEAD COUNTY	2 LANE RURAL	321.00 ft
TOTAL LENGTH OF	NH 89-1(20)2	2 LANE RURAL	2,380.00 ft

AWARD COPY

TYPICAL SECTION NO. 1

MAINLINE

10+80.00 TO 15+77.60 THEN TYPICAL SECTION NO. 2. INCLUDES FULL SUPER TRANSITION
19+38.60 TO 34+60.00 INCLUDES FULL SUPER TRANSITION



= COLD MILLING

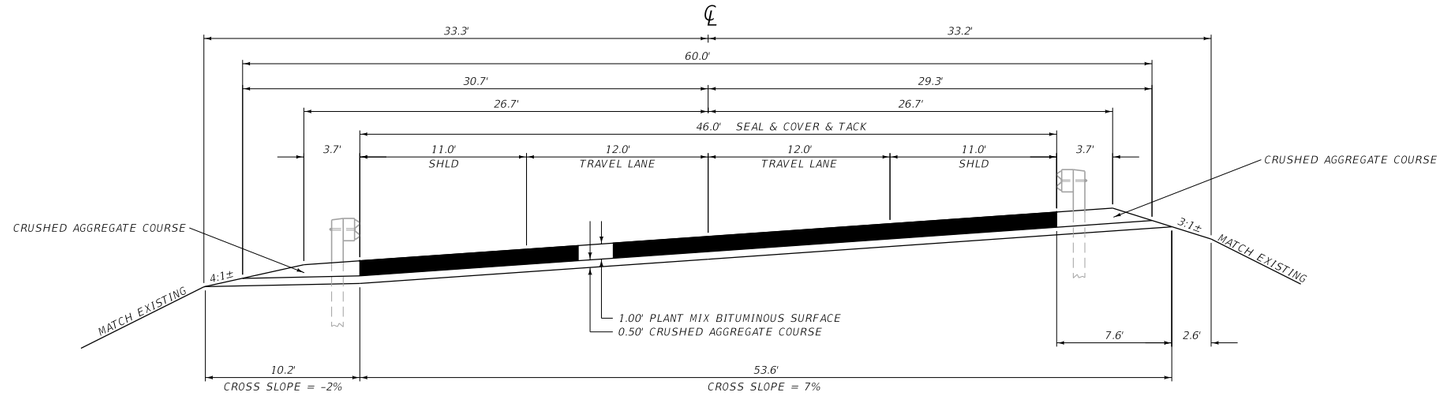
QUANTITIES								
UNIT	AGGREGATE			UNIT	BITUMINOUS MATERIAL			
	COVER	SCRUB SEAL COVER	PLANT MIX		EMULSIFIED ASPHALT SEAL	SCRUB SEAL EMULSION	EMULSIFIED ASPHALT TACK*	
AREA square feet			9.48	square yards PER STATION	511	542	542	
cubic yards PER STATION			35.1	tons PER STATION	0.91	0.97		
tons PER STATION			67.7	gals. PER STATION			27	
square yards PER STATION	511	542						

*BASED ON 1 APPLICATION

TYPICAL SECTION NO. 2

APPROACH SLAB REMOVAL (N. INT. RD. BRIDGE)

15+47.60 TO 15+97.60 BE
19+18.60 BE TO 19+68.60 THEN TYPICAL SECTION NO. 1.



QUANTITIES							
UNIT	AGGREGATE			UNIT	BITUMINOUS MATERIAL		
	COVER	PLANT MIX	CR. AGG. COURSE		EMULSIFIED ASPHALT SEAL	EMULSIFIED ASPHALT TACK*	
AREA square feet		46.00	41.91	square yards PER STATION	511	2,555	
cubic yards PER STATION		170.4	155.2	tons PER STATION	0.91		
tons PER STATION		328.4		gals. PER STATION		128	
square yards PER STATION	511						

*BASED ON 5 APPLICATIONS

3	MONTANA Department of Transportation	C:\DGN\9876000rdtyp001.dgn	DESIGNED BY B. BOONE	3/1/2022	ROAD PLANS	N INTERCHANGE RD-DILLON (N-89)	NH 89-1(20)2
2		5/11/2023	REVIEWED BY J. BRAZILL	2/17/2023			
		2:07:29 PM CPS - U6908	CHECKED BY T. JOHNSON	3/15/2023	BEAVERHEAD COUNTY	UPN 9876000	3

AWARD COPY

SUMMARY

SURFACING

STATION FROM	STATION TO	linear feet GROSS	linear feet NET	linear feet +	linear feet -	FOR	AGGREGATE sq. yards COVER TYPE II	AGGREGATE sq. yards COVER TYPE II SCRUB SEAL	AGGREGATE tons COMMERCIAL MIX BIT. SURF. GR. S - 3/4"	AGGREGATE cu. yards CRUSHED AGG. COURSE	BITUMINOUS MATERIAL tons EMULSIFIED ASPHALT CHFRS-2P	BITUMINOUS MATERIAL SCRUB SEAL EMULSION	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT TACK	REMARKS
10+80.00	15+77.60	497.60	497.60				2,543	2,697	337		4.5	4.8	134	TYPICAL SECTION NO. 1
15+47.60	15+97.60 BE	50.00	50.00			APROACH SLAB	256		164	78	0.5		64	TYPICAL SECTION NO. 2
15+97.60 BE	19+18.60 BE	321.00	~		321.00	BRIDGE								
19+18.60 BE	19+68.60	50.00	50.00			APROACH SLAB	256		164	78	0.5		64	TYPICAL SECTION NO. 2
19+68.60	34+60.00	1,491.40	1,491.40				7,621	8,083	1,010		13.6	14.5	403	TYPICAL SECTION NO. 1
						ADDITIONAL SURFACING								
TOTAL		2,410.00	2,089.00	~	321.00		10,676	10,780	1,675	156	19.1	19.3	665	

GUARDRAIL

STATION FROM	STATION TO	linear feet REMOVE GUARDRAIL LEFT	linear feet REMOVE GUARDRAIL RIGHT	linear feet MGS GUARDRAIL LEFT	linear feet MGS GUARDRAIL RIGHT	each MASH W-BEAM TERMINAL SECTION LEFT	each MASH W-BEAM TERMINAL SECTION RIGHT	each MASH THRIE-BEAM BRIDGE APPROACH SECTION LEFT	each MASH THRIE-BEAM BRIDGE APPROACH SECTION RIGHT	each GUARDRAIL END SECTION WIDENING LEFT	each GUARDRAIL END SECTION WIDENING RIGHT	REMARKS
NEW RAIL												
11+75.73	15+97.60 BE				350.0		1		1		1	
12+38.23	15+97.60 BE			287.5		1		1		1		
19+18.60 BE	26+27.98				637.5		1		1		1	
19+18.60 BE	30+15.48			1,025.0		1		1		1		
REMOVE RAIL												
11+72.60	15+97.60 BE		425.0									INCLUDES OTS & BAS
12+35.10	15+97.60 BE	362.5										INCLUDES OTS & BAS
19+18.60 BE	26+31.10		712.5									INCLUDES OTS & BAS
19+18.60 BE	30+18.60	1,100.0										INCLUDES OTS & BAS
SUBTOTAL		1,462.5	1,137.5	1,312.5	987.5	2	2	2	2	2	2	
TOTAL		2,600.0		2,300.0		4		4		4		

REVEGETATION

STATION FROM	STATION TO	lump sum REVEGE-TATION	cu. yards TOPSOIL SALVAGING & PLACING	acres SEED	acres CONDITION SEEDBED	REMARKS
15+77.60	15+97.60 BE	0.5	5	0.01	0.01	
19+18.60 BE	19+38.60	0.5	5	0.01	0.01	
TOTAL		1	# 10	# 0.02	# 0.02	

FOR INFORMATION ONLY

CURB

STATION FROM	STATION TO	linear feet REMOVE CURB LEFT	linear feet REMOVE CURB RIGHT	linear feet CONCRETE CURB 4" 4" LEFT	linear feet CONCRETE CURB 4" 4" RIGHT	REMARKS
13+78.60	15+97.60 BE	199.0		219.0		
19+18.60 BE	28+01.60	863.0		883.0		
SUBTOTAL		1,062.0	~	1,102.0	~	
TOTAL		1,062.0		1,102.0		

TEMPORARY BARRIER RAIL

STATION FROM	STATION TO	linear feet TEMPORARY BARRIER RAIL	linear feet RESET TEMPORARY BARRIER RAIL	each TEMPORARY IMPACT ATTENUATOR	each RESET TEMPORARY IMPACT ATTENUATOR	REMARKS
15+97.60 BE	19+18.60 BE	490		2		BRIDGE PHASE 1 - 16' MINIMUM TRAVEL LANE
15+97.60 BE	19+18.60 BE		490		2	BRIDGE PHASE 2 - 16' MINIMUM TRAVEL LANE
TOTAL		490	490	2	2	

PAVEMENT MARKINGS

ITEM	UNIT	INTERIM APPLICA-TION #	FINAL APPLICA-TION	TOTAL
STRIPING - WHITE PAINT	gallon	34		34
STRIPING - YELLOW PAINT	gallon	38		38
WORDS & SYMBOLS - WHITE PAINT	gallon	8		8
WORDS & SYMBOLS - YELLOW PAINT	gallon	6		6
STRIPING - WHITE EPOXY	gallon		22	22
STRIPING - YELLOW EPOXY	gallon		26	26
WORDS & SYMBOLS - WHITE EPOXY	gallon		5	5
WORDS & SYMBOLS - YELLOW EPOXY	gallon		4	4
CURB - YELLOW EPOXY	gallon		1	1
TEMPORARY STRIPING	linear feet			5,956
FINAL SWEEP AND BROOM	course mile			0.5

BASED ON DOUBLE APPLICATIONS.
SEE STRIPING MODIFICATION DETAIL FOR SWENSON WAY

APPROACH SLABS

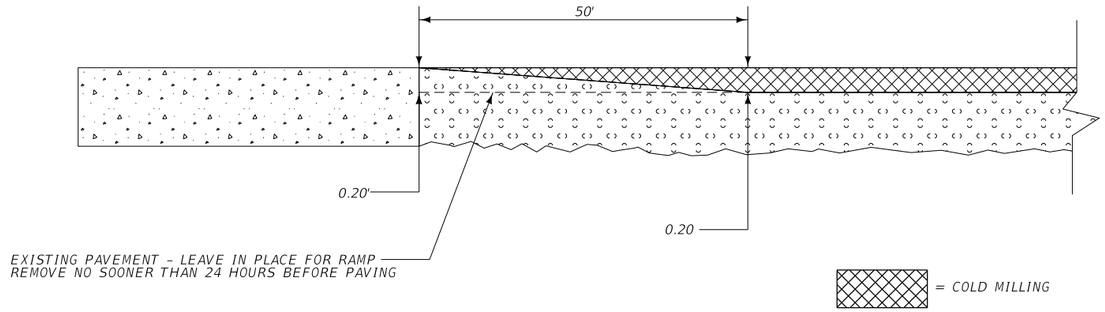
STATION	each REMOVE APPROACH SLAB	REMARKS
15+78	1	BRIDGE APPROACH SLAB
19+39	1	BRIDGE APPROACH SLAB
TOTAL	2	

COLD MILLING

STATION FROM	STATION TO	sq. yards COLD MILLING 0.20 ft	REMARKS
10+80.00	15+77.60	2,698	TYPICAL SECTION NO. 1
19+38.60	34+60.00	8,249	TYPICAL SECTION NO. 1
SUBTOTAL		10,947	
TOTAL		10,947	

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DETAIL



NOTE:
TAPERED MILLING DETAIL
APPLIES TO PTW CONNECTIONS

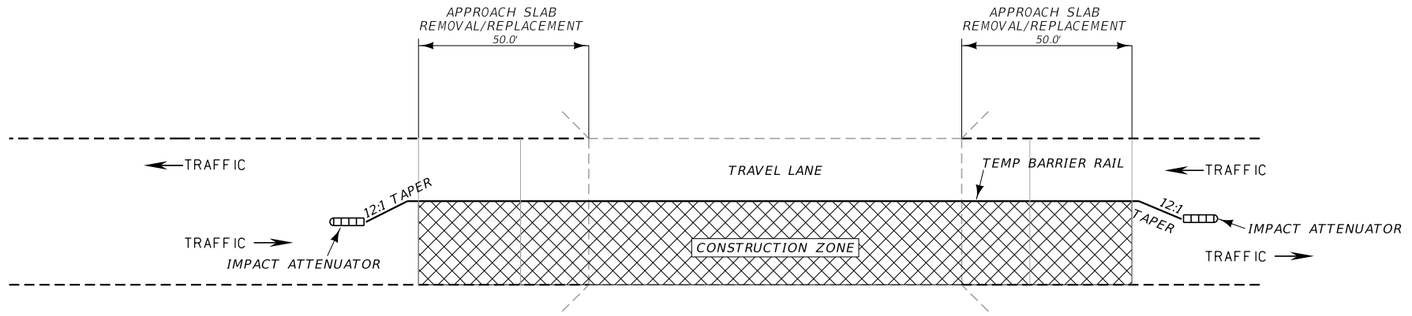
DETAIL

TEMPORARY MILLING CONNECTION

NO SCALE

3 2	MONTANA Department of Transportation	C:\DGN\9876000rddet001.dgn 5/11/2023 2:07:57 PM CPS - U6908	DESIGNED BY REVIEWED BY CHECKED BY	B. BOONE J. BRAZILL T. JOHNSON	3/1/2022 2/17/2023 3/15/2023	ROAD PLANS BEAVERHEAD COUNTY		N INTERCHANGE RD-DILLON (N-89) UPN 9876000	NH 89-1(20)2 5

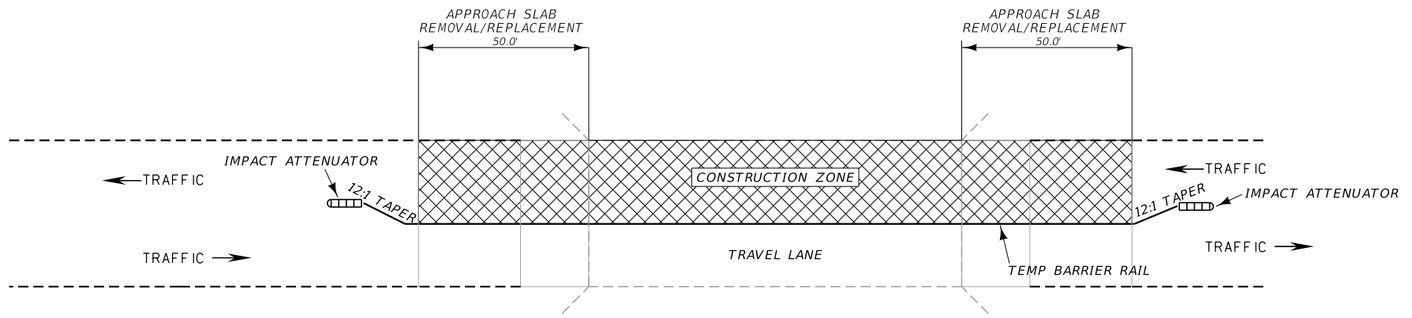
DETAIL



BRIDGE PHASE I CONSTRUCTION DIAGRAM

P00089002+06021 (06258)

P00089002+06021 (06258)



BRIDGE PHASE II CONSTRUCTION DIAGRAM

P00089002+06021 (06258)

* SEE SPECIAL PROVISIONS

** SEE SUMMARY FRAME FOR BARRIER LENGTHS

*** SEE BRIDGE PLANS FOR LAYOUT

PHASE CONSTRUCTION DIMENSION TABLE				
MDT STRUCTURE ID	PHASE CONSTRUCTION	FACE OF RAIL TO FACE OF RAIL	WIDTH OF CONSTRUCTION ZONE	WIDTH OF TEMPORARY DRIVING LANE
06258	PHASE I	43'-6"	27'-0"	16'-0"
	PHASE II		16'-0"	27'-0"

NOTE: DIMENSIONS OF DECK AS SHOWN ON GENERAL LAYOUT. (SWW AS-BUILT PLANS)

NOTE: SEE ROAD PLANS FOR TEMPORARY/RESET TEMPORARY BARRIER RAIL QUANTITIES.

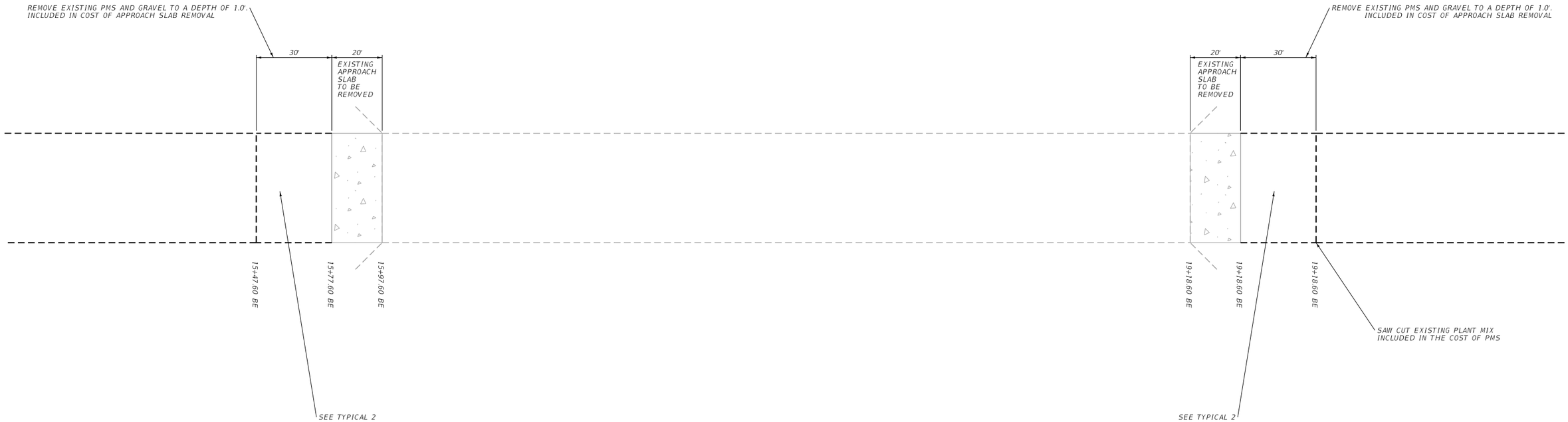
DETAIL

TEMPORARY BARRIER RAIL FOR BRIDGE DECK REPAIR

NO SCALE

AWARD COPY

DETAIL



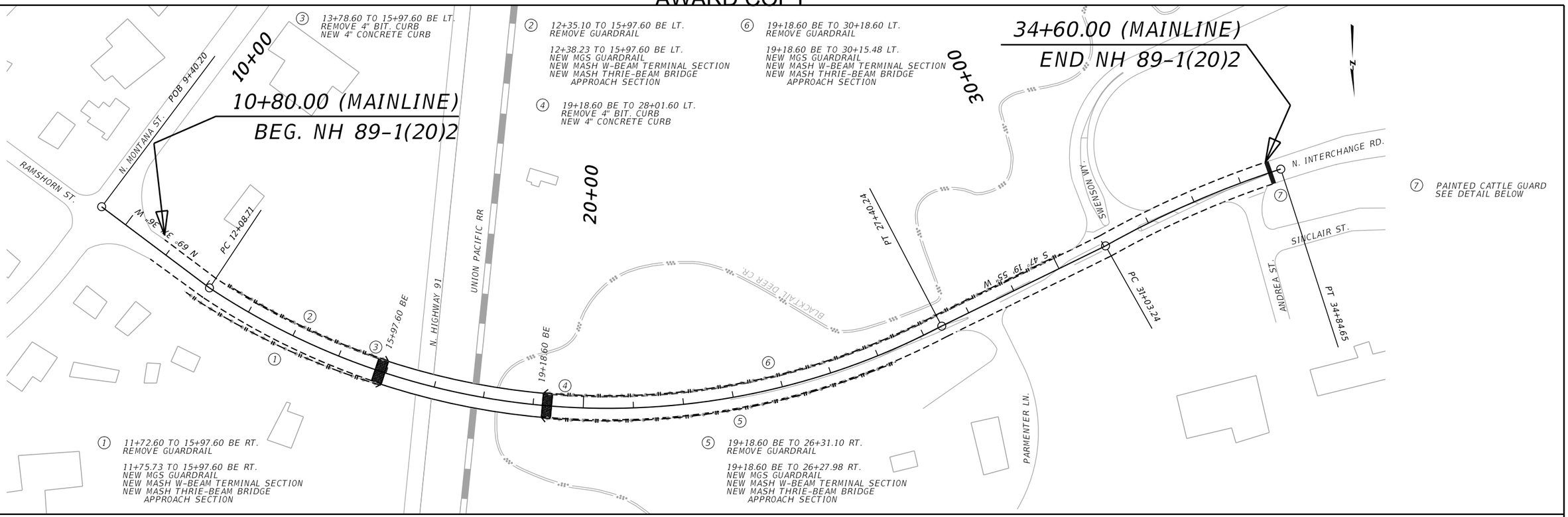
DETAIL

APPROADCH SLAB REMOVAL

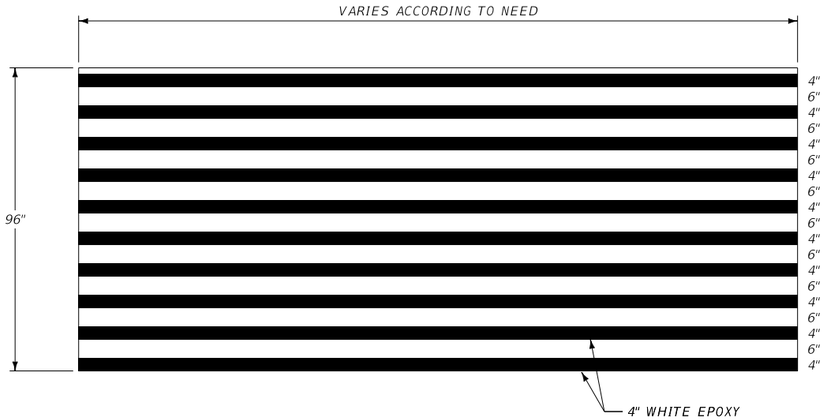
NO SCALE

2	MONTANA Department of Transportation	C:\DGN\9876000rddet001.dgn	DESIGNED BY	B. BOONE	3/1/2022	ROAD PLANS	N INTERCHANGE RD-DILLON (N-89)	NH 89-1(20)2
1		5/11/2023	REVIEWED BY	J. BRAZILL	2/17/2023			
		2:08:06 PM CPS - U6908	CHECKED BY	T. JOHNSON	3/15/2023	BEAVERHEAD COUNTY	UPN 9876000	7

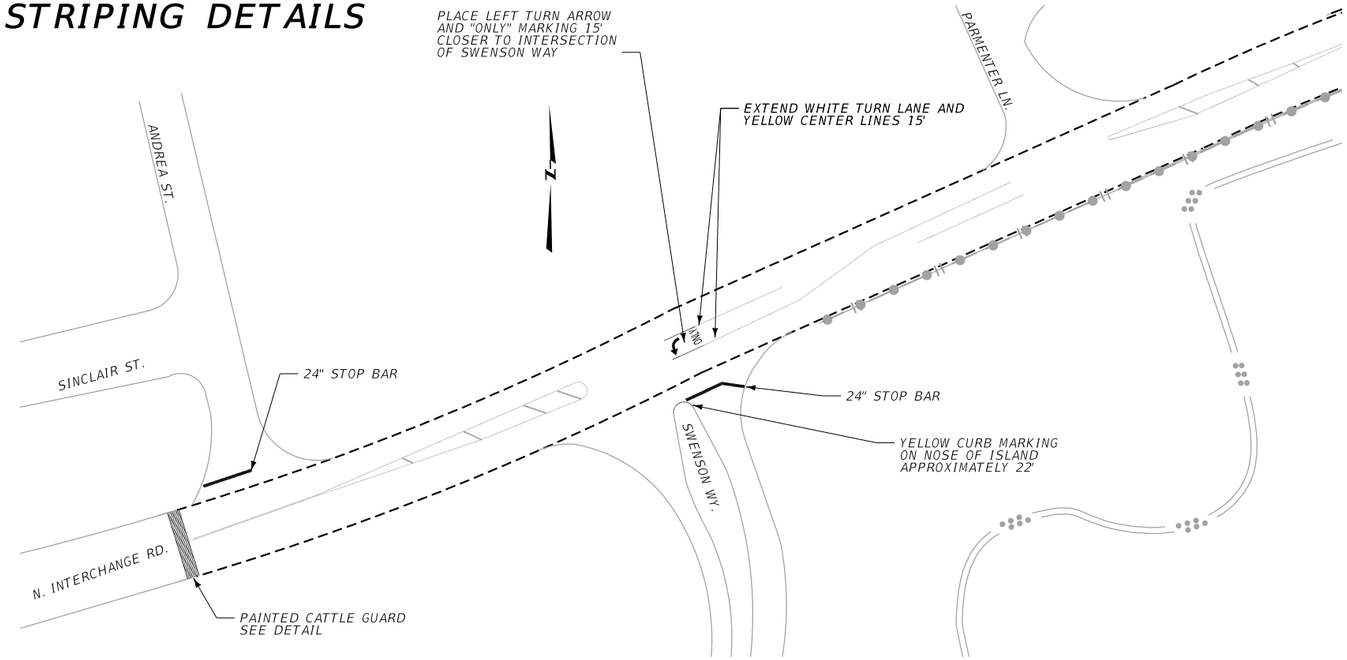
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STRIPING DETAILS



PAINTED CATTLE GUARD DETAIL



3	MONTANA Department of Transportation	C:\DGN\9876000rdpln001.dgn	DESIGNED BY	B. BOONE	3/1/2022	ROAD PLANS	N INTERCHANGE RD-DILLON (N-89) / NH 89-1(20)2
2		5/11/2023	REVIEWED BY	J. BRAZILL	2/17/2023		
		2:08:17 PM CPS - U6908	CHECKED BY	T. JOHNSON	3/15/2023	BEAVERHEAD COUNTY	UPN 9876000 / 8

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ASSOCIATED PROJECT AGREEMENT NUMBERS	
P.E.	NH 89-1(19)2

BRIDGE IDENTIFICATION	
MDT STR ID	NBI NUMBER
06258	P00089002+06021

MONTANA DEPARTMENT OF TRANSPORTATION

BRIDGE PLANS AND QUANTITIES

FEDERAL AID PROJECT NH 89-1(20)2

N INTERCHANGE RD - DILLON (N-89)

BEAVERHEAD COUNTY

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.	TITLE
B1	28113	LIST OF DRAWINGS & ESTIMATED BRIDGE PLAN QUANTITES
B2	28114	GENERAL NOTES, JOINT SEAL, DECK REPAIR, GUARD ANGLE REMOVAL
B3	28115	REVISE CONCRETE BARRIER RAIL - BR
B4	28116	REVISE CONCRETE BARRIER DETAILS
B5	28117	BARRIER REINFORCING STEEL PLACEMENT DIAGRAM

ESTIMATED BRIDGE PLAN QUANTITIES

MDT STR ID	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 B BRIDGE DECK REPAIR (YD²)	CONCRETE - CLASS OVERLAY (YD²)	** ESTIMATED CONCRETE - CLASS OVERLAY (YD³)	REVISE CONCRETE BARRIER RAIL - BR (LN.FT.)
06258	LOCAL - BLACKTAIL CR - RR	10482	87.5	1485.6	1560.4	1560.4		1553.2	65.0	647.3
		PROJECT TOTAL	87.5	1485.6	1560.4	1560.4	5.0	1553.2	65.0	647.3

* NOTE: Bridge Deck Repair quantity is shown for contingency only. The Project Manager will identify deck repair locations after bridge deck milling.

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

SHEET NO.
B1

LIST OF DRAWINGS & ESTIMATED BRIDGE PLAN QUANTITES

REVISED	REVISED	REVISED	REVISED	CHECKED	T.W.S.	5-2-23				
				DRAWN	D.G.G.	4-12-22				
				DESIGNED	A.E.K.	4-6-22				

9876000BRREH001.dwg \ QSH001

5/10/2023 1:56:44 PM

UPN NUMBER
9876000

DRAWING NO.
28113

AWARD COPY

GENERAL NOTES

WORK SITE VERIFICATION:

- 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.
- 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.

SPECIFICATIONS:

- The design was performed in accordance with the AASHTO LRFD Bridge Design Specifications, 9th Edition, 2020.
- The Montana Department of Transportation Standard and Supplemental Specifications for road and bridge construction 2020, and the Special Provisions govern unless otherwise noted. The awarded contract will specify the version of the Standard Specifications used on this project.

NEW REINFORCING STEEL:

- Unless specified otherwise on the drawings, the minimum concrete cover measured from the face of the concrete to the face of any reinforcing steel is 2" except as noted below:

Bottom of Slab	1"
Top of Slab	2½"
Bottom of Abutment Caps	3"
Concrete Barriers and Curbs	1 ½"

Concrete cover to any tie bar is ½" less than what is listed above.

- Use new deformed type reinforcing steel meeting the requirements of AASHTO M 31 Grade 60.
- The suffix "E" denotes epoxy coated reinforcing steel.
- Minimum Lap Splice Length:
  #6E = 55"

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

ACRONYMS AND ABBREVIATIONS:

- N.F. Denotes Near Face.
- F.F. Denotes Fill Face.
- E.F. Denotes Each Face.
- Cl. Denotes Clear Cover

OPENING TO TRAFFIC:

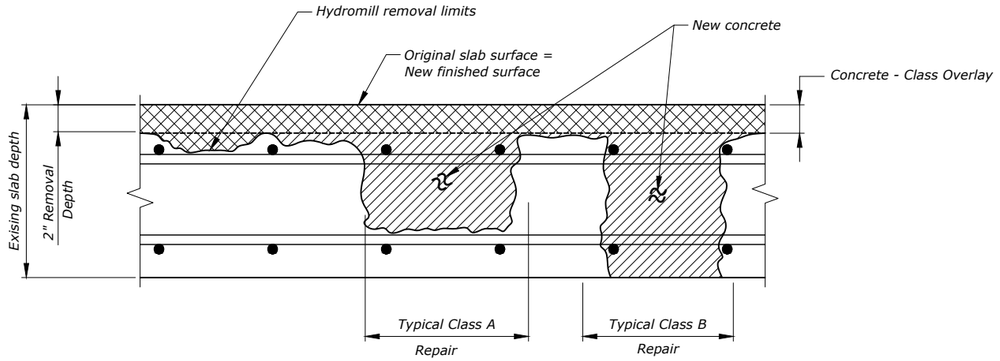
- Do not allow traffic onto the bridges until all concrete has reached a minimum compressive strength of 3500 psi or as approved by the design engineer.

BRIDGE DECK REPAIR:

- See the Standard Specifications for allowable deck repair concrete options.
- Field measured deck repair quantities may vary from the quantities shown on plans.

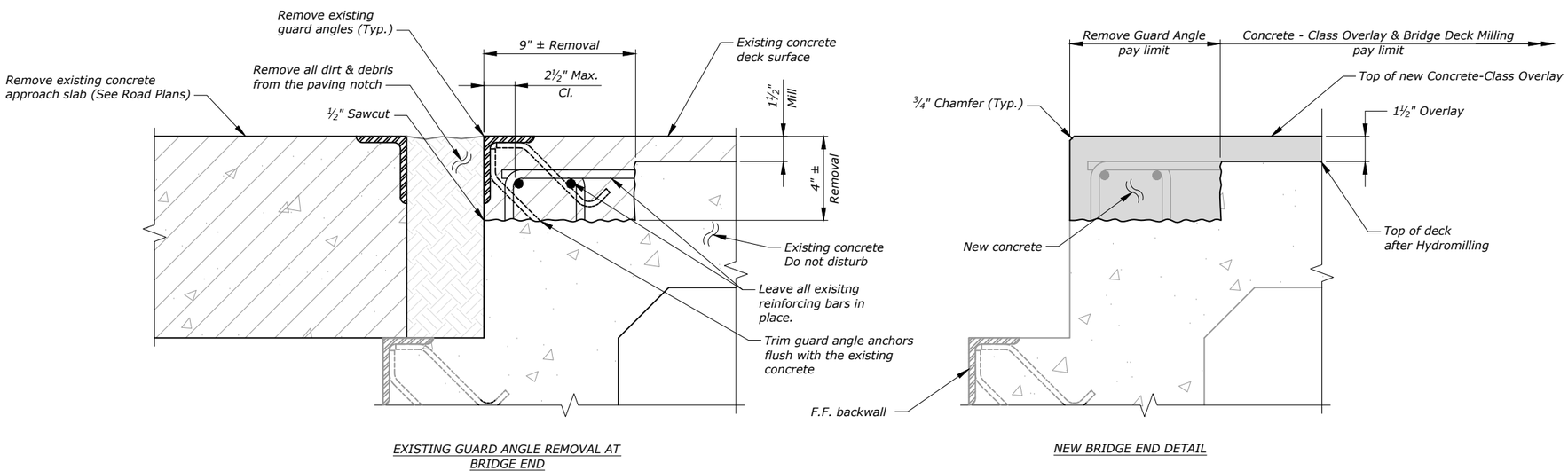
CONCRETE CONSTRUCTION JOINTS:

- Roughen all construction joints to a minimum ¼" amplitude prior to placing new concrete.
- Avoid feathered edges by saw cutting ½" minimum before removing existing concrete.



BRIDGE DECK REPAIR AND CONCRETE OVERLAY

No Scale



EXISTING GUARD ANGLE REMOVAL AT BRIDGE END

NEW BRIDGE END DETAIL

GUARD ANGLE REMOVAL DETAILS

NOTE: If two transverse reinforcing bars are not present within 3" of top of the slab, place new epoxy coated #4 transverse bars as necessary so there are two bars within the repair area.

SHEET NO. B2

GENERAL NOTES, JOINT SEAL, DECK REPAIR, GUARD ANGLE REMOVAL

SCALE: No Scale

PROJECT NAME
N INTERCHANGE RD - DILLON (N-89)

MDT STRUCTURE ID
06258

FEDERAL AID PROJECT
NH 89-1(20)2

COUNTY
BEAVERHEAD

REVISED		
REVISED		
REVISED		
REVISED		
CHECKED	T.W.S.	3-2-23
DRAWN	D.G.G.	4-12-22
DESIGNED	K.E.K.	4-6-22

9876000BRREH001.dwg \ SUM001

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MONTANA DEPARTMENT OF TRANSPORTATION BRIDGE BUREAU

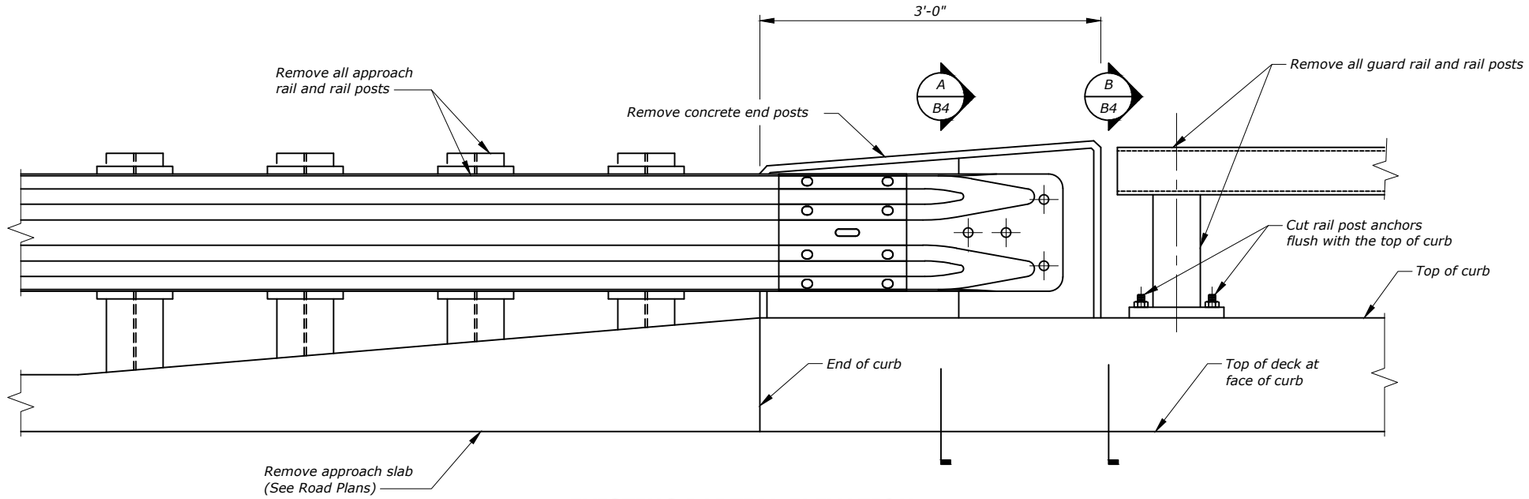
UPN NUMBER
9876000

DRAWING NO.
28114

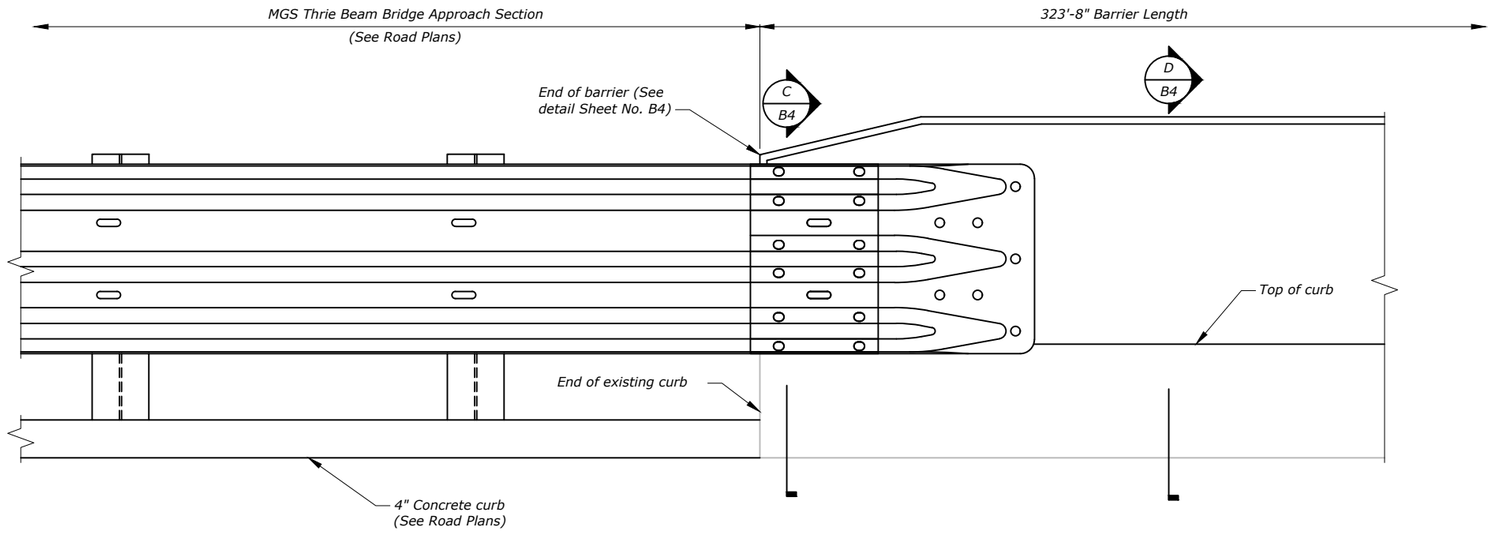
AWARD COPY

SHEET NOTES:

1. *The details shown are typical for all bridge corners.*



EXISTING PARTIAL ELEVATION



NEW PARTIAL ELEVATION

SHEET NO.
B3

REVISE CONCRETE BARRIER RAIL - BR

SCALE: 3/4" -1'-0"

PROJECT NAME
N INTERCHANGE RD - DILLON (N-89)

MDT STRUCTURE ID
06258

FEDERAL AID PROJECT
NH 89-1(20)2

COUNTY
BEAVERHEAD

REVISED		
REVISED		
REVISED		
REVISED		
CHECKED	T.W.S.	3-2-23
DRAWN	D.G.G.	4-12-22
DESIGNED	A.E.K.	1-6-22

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MONTANA DEPARTMENT OF TRANSPORTATION — BRIDGE BUREAU

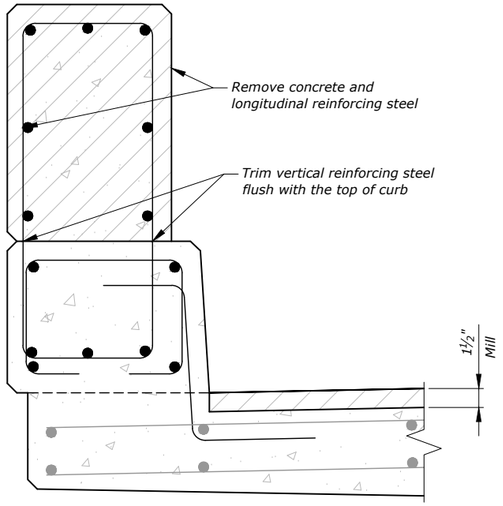
UPN NUMBER
9876000

DRAWING NO.
28115

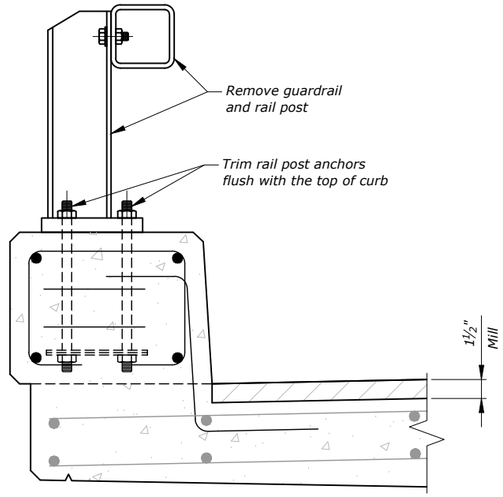
AWARD COPY

SHEET NOTES:

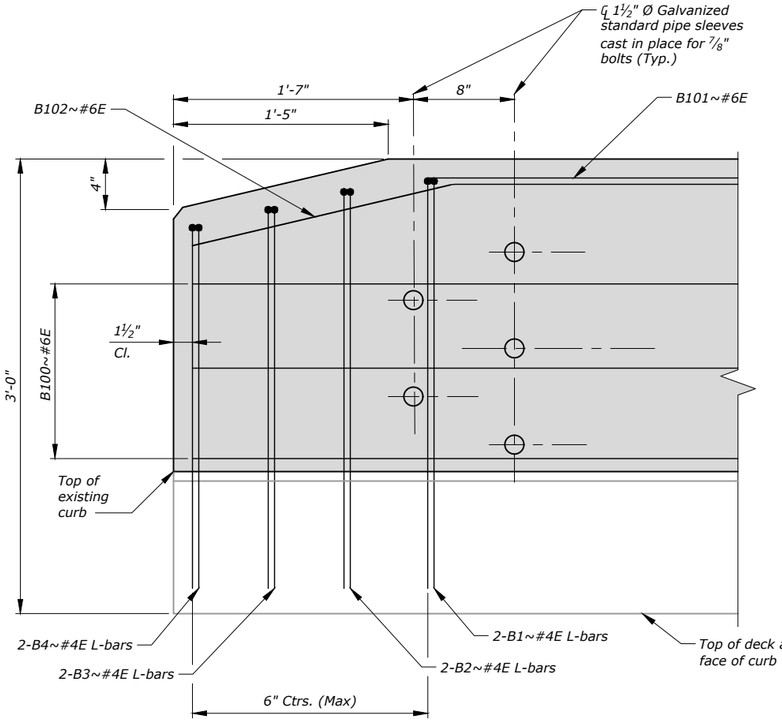
1. Anchor all #4E L-bars into existing curb using an epoxy adhesive anchoring system (See Special Provisions).
2. Coat the trimmed end of the rail post anchors with a cold galvanizing spray.
3. Match the slope of the new concrete barrier with the slope of the existing curb.
4. **NEW BARRIER REINFORCING STEEL** differs from typical department details. See Sheet No.s B4 and B5 for information.



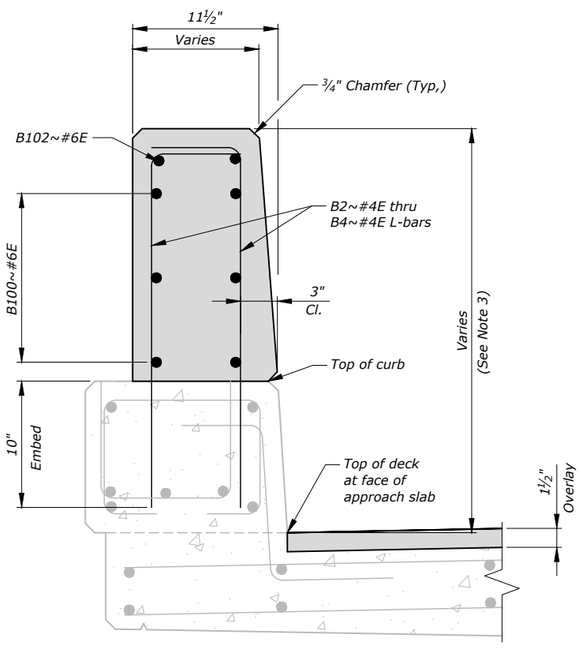
A / B3 **EXISTING CONCRETE ENDPOST**



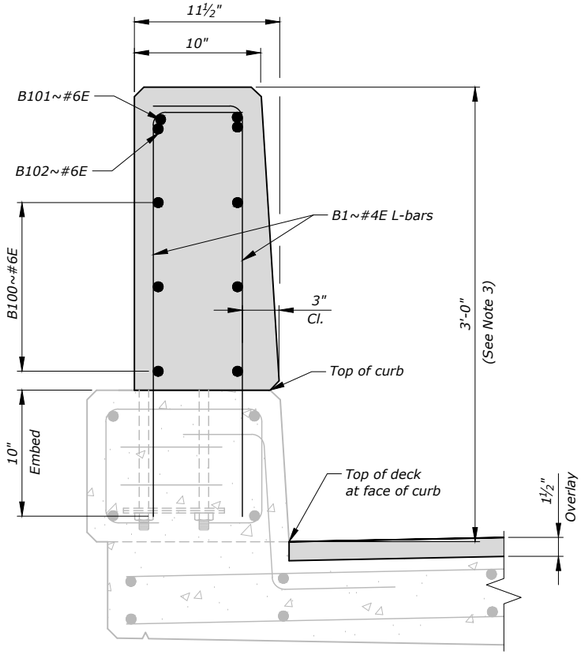
B / B3 **EXISTING GUARDRAIL ON CURB**



NEW BARRIER END



C / B3 **NEW BARRIER AT END OF CURB**



D / B3 **NEW BARRIER ON CURB**

SHEET NO. B4

REVISE CONCRETE BARRIER DETAILS

SCALE: 1" = 1'-0"

PROJECT NAME
N INTERCHANGE RD - DILLON (N-89)

MDT STRUCTURE ID
06258

FEDERAL AID PROJECT
NH 89-1(20)2

COUNTY
BEAVERHEAD

REVISED		
REVISED		
REVISED		
REVISED		
CHECKED	T.W.S.	3-2-23
DRAWN	D.G.G.	4-12-22
DESIGNED	A.E.K.	4-6-22

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STATE OF MONTANA DEPARTMENT OF TRANSPORTATION — BRIDGE BUREAU

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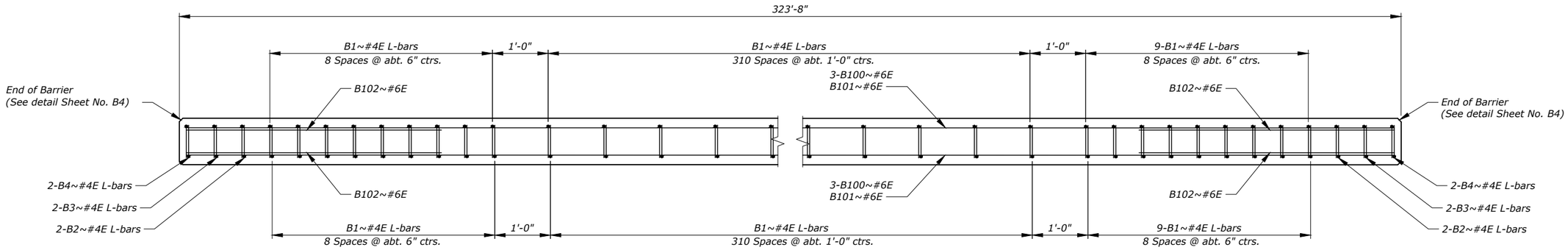
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DRAWING NO.
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SHEET NOTES:

1. *Barrier reinforcing shown is typical for left and right sides of structure.*

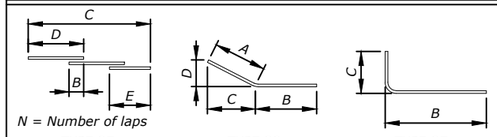


BARRIER REINFORCING STEEL PLACEMENT DIAGRAM

BILL OF REINFORCING STEEL

(ONE STRUCTURE ONLY)

(ALL DIMENSIONS ARE OUT TO OUT)



N = Number of laps

TYPE 27 *TYPE 28* *TYPE 37*

Mark	Size	No.	Type	Length	A	B	C	D	E	G	N
B100	#6E	12	27	346'-4"		4'-7"	323'-5"	60'-0"	46'-4'		5
B101	#6E	4	27	343'-3"		4'-7"	320'-4"	60'-0"	43'-3'		5
B102	#6E	8	28	10'-9"	1'-4"	9'-5"	1'-4"	0'-4"			
B1	#4E	1316	37	3'-4"		2'-9"	O'-7"				
B2	#4E	8	37	3'-3"		2'-8"	0'-7"				
B3	#4E	8	37	3'-1½"		2-6½"	0'-7"				
B4	#4E	8	37	3-0½"		2-5½"	0'-7'				

SHEET NO.
B5

BARRIER REINFORCING STEEL PLACEMENT DIAGRAM

SCALE: No Scale

PROJECT NAME
N INTERCHANGE RD - DILLON (N-89)

MDT STRUCTURE ID
06258

FEDERAL AID PROJECT
NH 89-1(20)2

COUNTY
BEAVERHEAD

CHECKED	T.W.S.	3-2-23
DRAWN	D.G.G.	4-12-22
DESIGNED	A.E.K.	1-6-22

REVISED
REVISED
REVISED
REVISED

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MONTANA DEPARTMENT OF TRANSPORTATION
BRIDGE BUREAU

UPN NUMBER
9876000

DRAWING NO.
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