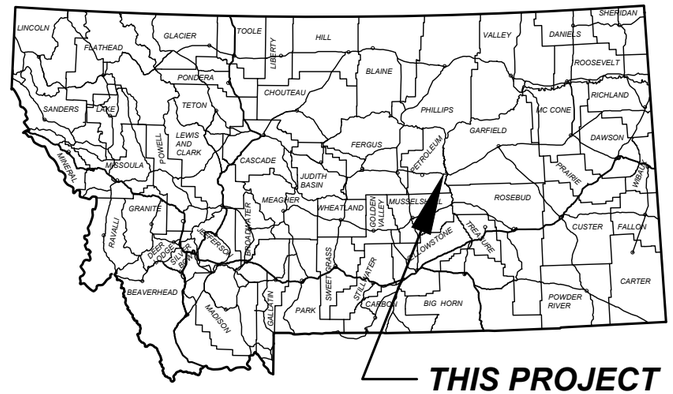
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MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT NH 57-4(18)145

COLD MILL, OVERLAY, SEAL & COVER

MOSBY - WEST

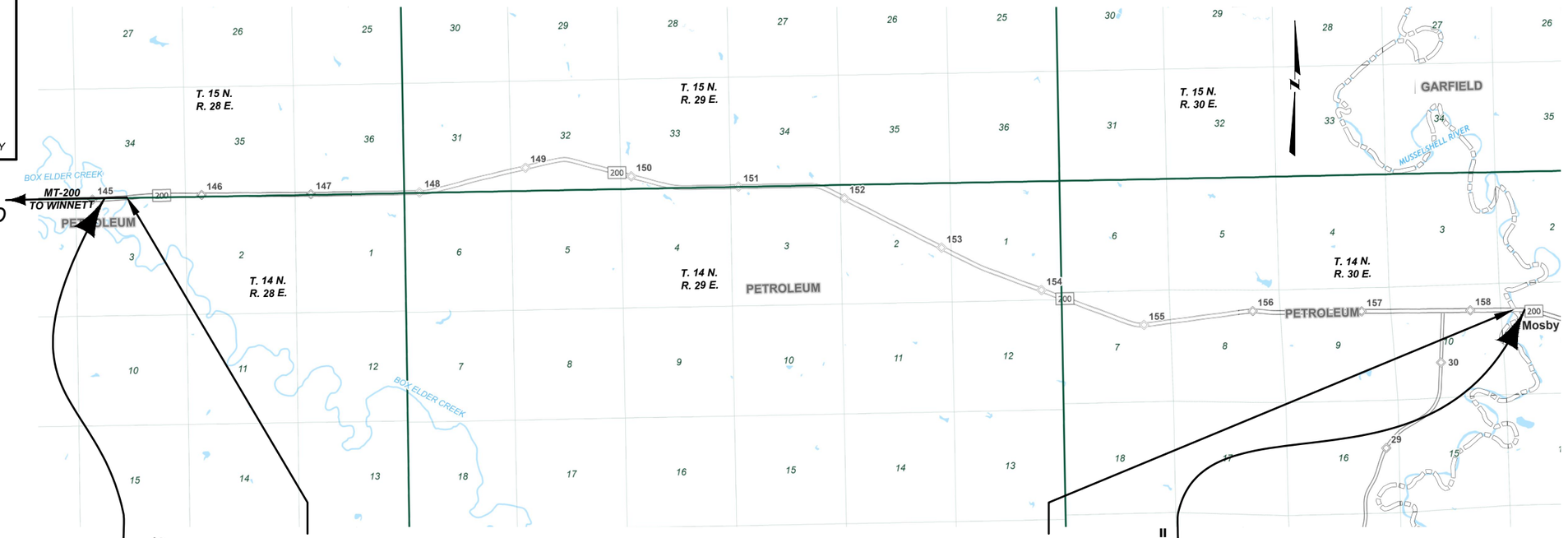
PETROLEUM & GARFIELD

LENGTH 13.3 MILES

PROJECT DESIGN DATA

PRESENT	2025	A.D.T. =	530
LETTING	2025	A.D.T. =	530
DESIGN	2045	A.D.T. =	650
		D.H.V. =	100
		TRUCKS =	16.2%
		V. =	70 MPH
		18 KIP ESAL'S =	44 DAILY
		GROWTH RATE =	1.0% ANNUALLY

SURFACING SOURCES - CONTRACTOR FURNISHED



STA. 1716+96.50 ON F-256(18) = STA. 96+45.00 BEG. NH 57-4(18)145

103+46.88 RP 145.308
28' X 184' CONC BRIDGE IN PL.
P00057145+03141
STR. ID #06007
BOX ELDER CREEK
AS-BUILT PROJECT NO. F 256(18)

RP 145.2 TO RP 158.5

THIS CONTRACT

788+34.92 RP 158.369
33.5' X 374.5' CONC BRIDGE IN PL.
P00057158+03721
STR. ID #06008
MUSSELSHELL RIVER BRIDGE
AS-BUILT PROJECT NO. F 256(18)

STA. 792+69.05 END NH 57-4(18)145 = STA 755+97.06 ON F-256(18)

MONTANA
DEPARTMENT OF TRANSPORTATION

APPROVED BY:

HIGHWAYS ENGINEER

MONTANA
DAVID HOLIEN
20186PE
LICENSED PROFESSIONAL ENGINEER

Signed by: David Holien
4EA8874BB4E5415...

2/26/2026
DATE

SHEET NO. 1

TITLE SHEET

PROJECT NAME	MOSBY - WEST
COUNTY	PETROLEUM & GARFIELD
PROJECT ID	NH 57-4(18)145
UPN	10071000

DESIGNED BY	S. ERETH/J. GOTSCHALL 03/2025
REVIEWED BY	J. BROTZLER 03/2025
CHECKED BY	J. SOLIDAY 04/2025

MONTANA
Department of Transportation

ROAD PLANS

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BRIDGE PLANS	B1-B10

NOTES

BASIS OF PLAN QUANTITIES

(QUANTITIES FOR ESTIMATING PURPOSES ONLY)

COMP. AGGREGATE WEIGHT	= 3,625 LBS. PER CUBIC YARD
COMP. WEIGHT OF PL. MIX BIT. SURF.	= 4,167 LBS. PER CUBIC YARD
ASPHALT BINDER - GRADE S - 3/4" AGG.	= 5.0% OF PL. MIX BIT.SURF.
HYDRATED LIME	= 1.4% OF PL. MIX BIT.SURF.
BITUMINOUS MATERIAL	= 8.5 LBS. PER GAL.
EMULSIFIED ASPHALT - TACK (ALL OTHER SURFACES)	= 0.05 GAL. PER SQ.YARD (UNDILUTED)
EMULSIFIED ASPHALT - FOG SEAL (RUMBLE STRIPS)	= 0.10 GAL. PER SQ.YARD (UNDILUTED)
SEAL	= 0.42 GAL. PER SQ.YARD
COVER	= 25 LBS. PER SQ.YARD

AS-BUILTS

STATIONING RUNS IN SAME DIRECTION AS REFERENCE POSTS. FOR HORIZONTAL ALIGNMENT AND STATIONING, REFER TO THE FOLLOWING "AS-BUILT" PROJECT(S):

F-256(17) (ORIGINAL CONSTRUCTION 1951)
F-256(18) (ORIGINAL CONSTRUCTION 1954)
F-RF-256(36) (ORIGINAL CONSTRUCTION 1954)
RTF 57-4(8)157 (OVERLAY 1997)

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.

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.

* APPROACHES (FOR INFORMATION ONLY)

STATION	TYPE	linear feet WIDTH	RADIUS # LEFT	RADIUS # RIGHT	linear feet LENGTH	EXISTING SURFACING	PROPOSED SURFACE	tons PLANT MIX BIT. SURF. GR. S - 3/4"	tons PLANT MIX BIT. SURF. MISC.	tons ASPHALT BINDER PG 58V-34	gallons EMULS. ASPHALT TACK	REMARKS
96+80	PRIVATE	12	35	35	65	GRAVEL	PAVE TO R/W		20	1.0	7	LT
97+62	PUBLIC	24	55	50	53	ASPHALT	PAVE TO R/W	32		1.6	11	RT - PETROLIA BENCH ROAD
113+11	FARM FIELD	12	15	15	12	GRAVEL	12' PAVEMENT STRIP		4	0.2	1	LT
113+30	PRIVATE	24	25	25	84	GRAVEL	PAVE TO R/W		31	1.6	11	RT
160+60	FARM FIELD	12	15	15	12	GRAVEL	12' PAVEMENT STRIP		4	0.2	1	LT
185+87	PUBLIC	24	25	25	129	GRAVEL	PAVE TO R/W	48		2.4	17	LT - JITNEY ROAD
185+89	FARM FIELD	12	15	15	12	GRAVEL	12' PAVEMENT STRIP		4	0.2	1	RT
210+96	FARM FIELD	12	15	15	12	GRAVEL	12' PAVEMENT STRIP		4	0.2	1	RT
210+98	FARM FIELD	12	25	25	12	GRAVEL	12' PAVEMENT STRIP		6	0.3	2	LT
228+52	FARM FIELD	12	50	5	12	GRAVEL	12' PAVEMENT STRIP		9	0.5	3	RT
230+10	FARM FIELD	12	25	25	12	GRAVEL	12' PAVEMENT STRIP		6	0.3	2	LT
258+10	FARM FIELD	12	25	25	12	GRAVEL	12' PAVEMENT STRIP		6	0.3	2	LT
272+31	FARM FIELD	12	15	15	12	GRAVEL	12' PAVEMENT STRIP		4	0.2	1	RT
281+49	FARM FIELD	12	15	15	12	GRAVEL	12' PAVEMENT STRIP		4	0.2	1	LT
320+93	FARM FIELD	12	20	20	12	GRAVEL	12' PAVEMENT STRIP		5	0.3	2	RT
320+96	FARM FIELD	12	20	20	12	GRAVEL	12' PAVEMENT STRIP		5	0.3	2	LT
368+55	FARM FIELD	12	15	15	12	GRAVEL	12' PAVEMENT STRIP		4	0.2	1	RT
371+72	FARM FIELD	12	15	15	12	GRAVEL	12' PAVEMENT STRIP		4	0.2	1	LT
384+56	FARM FIELD	12	15	15	12	GRAVEL	12' PAVEMENT STRIP		4	0.2	1	LT
397+82	FARM FIELD	12	15	15	12	GRAVEL	12' PAVEMENT STRIP		4	0.2	1	RT
397+82	FARM FIELD	12	15	15	12	GRAVEL	12' PAVEMENT STRIP		4	0.2	1	LT
437+31	FARM FIELD	12	15	15	12	GRAVEL	12' PAVEMENT STRIP		4	0.2	1	LT
451+71	FARM FIELD	12	15	15	12	GRAVEL	12' PAVEMENT STRIP		4	0.2	1	LT
473+60	FARM FIELD	12	25	25	12	GRAVEL	12' PAVEMENT STRIP		6	0.3	2	RT
473+87	PUBLIC	24	50	50	185	GRAVEL	PAVE TO R/W	81		4.1	29	LT - CAT CREEK ROAD
494+46	FARM FIELD	12	25	25	12	GRAVEL	12' PAVEMENT STRIP		6	0.3	2	LT
544+04	FARM FIELD	12	15	15	12	GRAVEL	12' PAVEMENT STRIP		4	0.2	1	LT
596+31	FARM FIELD	12	15	15	12	GRAVEL	12' PAVEMENT STRIP		4	0.2	1	LT
646+72	FARM FIELD	12	15	15	12	GRAVEL	12' PAVEMENT STRIP		4	0.2	1	RT - APP. ON PULL OFF
647+78	FARM FIELD	12	15	10	12	GRAVEL	12' PAVEMENT STRIP		3	0.2	1	LT - APP. ON PULL OFF
680+38	FARM FIELD	12	25	25	12	ASPHALT	12' PAVEMENT STRIP		6	0.3	2	RT
680+42	FARM FIELD	24	50	50	12	ASPHALT	12' PAVEMENT STRIP		13	0.7	5	LT
698+75	FARM FIELD	12	25	25	12	GRAVEL	12' PAVEMENT STRIP		6	0.3	2	LT
730+64	FARM FIELD	12	30	30	12	ASPHALT	12' PAVEMENT STRIP		7	0.4	3	LT
749+50	PRIVATE	40	35	35	84	ASPHALT	PAVE TO R/W		53	2.7	19	LT - MCCONE ELECTRIC
755+48	PUBLIC	24	35	35	95	ASPHALT	PAVE TO R/W	39		2.0	14	RT - MELSTONE ROAD
755+54	FARM FIELD	12	35	35	12	GRAVEL	12' PAVEMENT STRIP		8	0.4	3	LT
780+06	FARM FIELD	40	35	35	12	ASPHALT	12' PAVEMENT STRIP		14	0.7	5	LT
782+21	FARM FIELD	40	15	15	12	ASPHALT	12' PAVEMENT STRIP		9	0.5	3	RT
TOTAL								200	283	24.7	165	

ALL RADII MEASURED TO FRONT OF GUTTER OR EDGE OF SHOULDER

SHEET NO. 2

TABLE OF CONTENTS & NOTES

PROJECT NAME: MOSBY - WEST
COUNTY: PETROLEUM & GARFIELD
PROJECT ID: NH 57-4(18)145
UPN: 10071000

DESIGNED BY	DATE
S. ERETH/J. GOTSCHALL	03/2025
REVIEWED BY	DATE
J. BROTZLER	03/2025
CHECKED BY	DATE
J. SOLIDAY	04/2025

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MONTANA Department of Transportation

ROAD PLANS

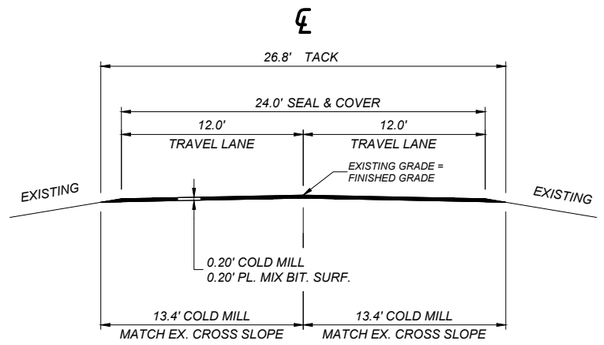
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TYPICAL SECTION NO. 1

MAINLINE

96+45.00 BEGIN PROJECT
96+45.00 TO 102+54.88 BE TYP. NO. 1
104+38.88 BE TO 654+85.98 TYP. NO. 1



QUANTITIES

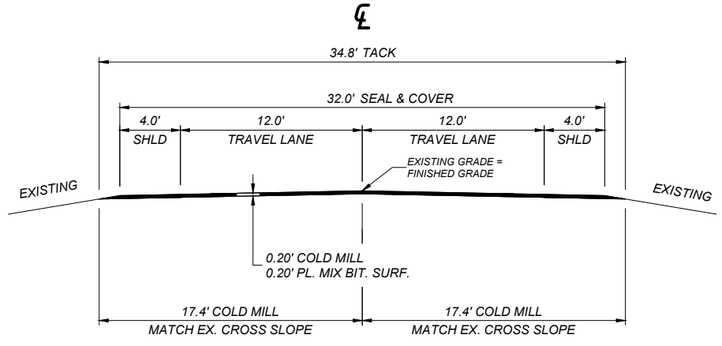
UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL			COLD MILLING
	COVER	PLANT MIX		ASPHALT BINDER	SEAL	EMULSIFIED ASPHALT TACK*	
AREA square feet		5.08	square yards PER STATION		267	298	298
cubic yards PER STATION		18.8	tons PER STATION	1.96	0.48		
tons PER STATION		39.2	gals. PER STATION			15	
square yards PER STATION	267						

*BASED ON 1 APPLICATION

TYPICAL SECTION NO. 2

MAINLINE

654+85.98 TO 786+27.67 TYP. NO. 2
786+27.67 END MILL / FILL



QUANTITIES

UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL			COLD MILLING
	COVER	PLANT MIX		ASPHALT BINDER	SEAL	EMULSIFIED ASPHALT TACK*	
AREA square feet		6.68	square yards PER STATION		356	387	387
cubic yards PER STATION		24.7	tons PER STATION	2.58	0.64		
tons PER STATION		51.5	gals. PER STATION			19	
square yards PER STATION	356						

*BASED ON 1 APPLICATION

SHEET NO. 3

TYPICAL SECTIONS

PROJECT NAME: MOSBY - WEST
COUNTY: PETROLEUM & GARFIELD
PROJECT ID: NH 57-4(18)145
UPN: 10071000

DESIGNED BY	S. ERETH/J. GOTSCHALL	03/2025
REVIEWED BY	J. BROTZLER	03/2025
CHECKED BY	J. SOLIDAY	04/2025

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MONTANA Department of Transportation

ROAD PLANS

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SUMMARY

SURFACING

STATION FROM	STATION TO	linear feet GROSS	linear feet NET	linear feet +	linear feet -	FOR	tons HYDRATED LIME	AGGREGATE sq. yards COVER TYPE 1	AGGREGATE tons PLANT MIX BIT. SURF. GR. S - 3/4"	AGGREGATE tons PLANT MIX BIT. SURF. MISC.	AGGREGATE cu. yards CRUSHED AGG. COURSE	BITUMINOUS MATERIAL tons ASPHALT BINDER PG 58V-34	BITUMINOUS MATERIAL tons EMULSIFIED ASPHALT CHFRS-2P SEAL	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT TACK	REMARKS
96+45.00	102+54.88 BE	609.88					3	1,628	239			12.0	2.9	91	TYPICAL 1
102+54.88 BE	104+38.88 BE	184.00				BOX ELDER CREEK BRIDGE									
104+38.88 BE	654+85.98	55,047.10					302	146,976	21,578			1,078.9	264.2	8,257	TYPICAL 1
654+85.98	786+27.67	13,141.69					95	46,784	6,768			339.1	84.1	2,497	TYPICAL 2
786+27.67	790+22.17 BE	394.50				MUSSELSHELL RIVER BRIDGE									
						ADDITIONAL SURFACING		1,660	430	538	1,354	49.0	2.9	440	APPROACHES, DIGOUTS, & PULL OUTS
TOTAL		69,377.17	0.00	0.00	0.00		400	197,048	29,015	538	1,354	1,479.0	354.1	11,285	

ADDITIONAL SURFACING (INCLUDED IN SURFACING FRAME)

STATION FROM	STATION TO	linear feet GROSS	linear feet NET	linear feet +	linear feet -	FOR	tons HYDRATED LIME	AGGREGATE sq. yards COVER TYPE 1	AGGREGATE tons PLANT MIX BIT. SURF. GR. S - 3/4"	AGGREGATE tons PLANT MIX BIT. SURF. MISC.	AGGREGATE cu. yards CRUSHED AGG. COURSE	BITUMINOUS MATERIAL tons ASPHALT BINDER PG 58V-34	BITUMINOUS MATERIAL tons EMULSIFIED ASPHALT CHFRS-2P SEAL	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT TACK	REMARKS
						32 - FARM FIELD APPROACHES				179		9.3		57	
						3 - PRIVATE APPROACHES				104		5.3		37	
						4 - PUBLIC APPROACHES			200			10.1		71	
373+37.80	391+32.20					DIGOUT NO. 1				190	1,017	9.5		144	WESTBOUND LANE
611+67.80	616+97.20					DIGOUT NO. 2				56	297	2.8		42	EASTBOUND LANE
723+07.80	723+72.20					DIGOUT NO. 3				9	40	0.5		6	WESTBOUND LANE
643+84.59	647+58.63					PULL OUT		692	96			4.8	1.2	35	RT
644+88.54	648+34.42					PULL OUT		968	134			6.7	1.7	48	LT
SUBTOTAL		~	~	~	~		~	1,660	430	538	1,354	49.0	2.9	440	

SHEET NO. 4

SUMMARIES

PROJECT NAME: MOSBY - WEST

COUNTY: PETROLEUM & GARFIELD

PROJECT ID: NH 57-4(18)145

UPN: 10071000

DESIGNED BY	DATE	REVIEWED BY	DATE	CHECKED BY	DATE
S. ERETH/J. GOTSCHALL	03/2025	J. BROTZLER	03/2025	J. SOLIDAY	04/2025

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MONTANA Department of Transportation

ROAD PLANS

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SUMMARY

COLD MILLING

STATION FROM	STATION TO	sq. yards COLD MILLING 0.20 ft	REMARKS
96+45.00	102+54.88 BE	1,817	TYPICAL 1
102+54.88 BE	104+38.88 BE		BOX ELDER CREEK BRIDGE
104+38.88 BE	654+85.98	164,040	TYPICAL 1
654+85.98	786+27.67	50,858	TYPICAL 2
786+27.67	790+22.17 BE		MUSSELSHELL RIVER BRIDGE
643+84.59	647+58.63	692	PULL OUT - RT
644+88.54	648+34.42	968	PULL OUT - LT
TOTAL		218,376	

RUMBLE STRIPS

STATION FROM	STATION TO	miles RUMBLE STRIPS CENTERLINE TYPE 1	miles RUMBLE STRIPS CENTERLINE TYPE 3	gals EMULSIFIED ASPHALT FOG SEAL #	REMARKS
96+45.00	102+54.88 BE	0.2		14	TYPICAL 1
102+54.88 BE	104+38.88 BE				BOX ELDER CREEK BRIDGE
104+38.88 BE	654+85.98	10.4		1,223	TYPICAL 1
654+85.98	786+27.67		2.5	292	TYPICAL 2
786+27.67	790+22.17 BE				MUSSELSHELL RIVER BRIDGE
SUBTOTAL		10.6	2.5	1,529	
TOTAL		13.1		~	

FOR INFORMATION ONLY, INCLUDE IN THE COST OF RUMBLE STRIPS

DIGOUT EXCAVATION *

STATION FROM	STATION TO	cu. yards DIGOUT EXCAVATION	cu. yards SPECIAL BORROW NEAT LINE	sq. yards GEOTEXT. STABILIZATION	REMARKS
373+37.80	391+32.20	1,108		3,409	DIGOUT NO. 1 - WESTBOUND LANE
611+67.80	616+97.20	324		1,006	DIGOUT NO. 2 - EASTBOUND LANE
723+07.80	723+72.20	44		151	DIGOUT NO. 3 - WESTBOUND LANE
TOTAL		1,476	~	4,566	

* SEE DETAILS

PAVEMENT MARKINGS

ITEM	UNIT	INTERIM APPLICATION #	FINAL APPLICATION	TOTAL
STRIPING - WHITE PAINT	gallon	475		475
STRIPING - YELLOW PAINT	gallon	247		247
WORDS & SYMBOLS - WHITE PAINT	gallon	1		1
STRIPING - WHITE EPOXY	gallon		633	633
STRIPING - YELLOW EPOXY	gallon		329	329
WORDS & SYMBOLS - WHITE EPOXY	gallon		1	1
TEMPORARY STRIPING	linear feet			71,974
FINAL SWEEP AND BROOM	course mile			26.4

BASED ON 1 APPLICATION

BRIDGE DECK CRACK SEAL *

STATION FROM	STATION TO	BRIDGE DECK CRACK SEAL square yards	REMARKS
786+27.67	786+47.67 BE	74.4	WEST MUSSELSHELL RIVER BRIDGE APPROACH SLAB
TOTAL		74.4	

* MUSSELSHELL RIVER BRIDGE APPROACH SLAB IS PART OF ROAD WORK.

EMBANKMENT PROTECTORS

STATION FROM	STATION TO	linear feet CONCRETE CURB 4" LEFT	linear feet CONCRETE CURB 4" RIGHT	REMARKS
102+42.88	102+54.88 BE		12.0	BOX ELDER CREEK BRIDGE - SW
102+42.88	102+54.88 BE	12.0		BOX ELDER CREEK BRIDGE - NW
104+38.88 BE	104+50.88		12.0	BOX ELDER CREEK BRIDGE - SE
104+38.88 BE	104+50.88	37.5		BOX ELDER CREEK BRIDGE - NE
786+27.67	786+47.67 BE		20.0	MUSSELSHELL RIVER BRIDGE - SW
786+27.67	786+47.67 BE	20.0		MUSSELSHELL RIVER BRIDGE - NW
790+22.17 BE	790+42.17		20.0	MUSSELSHELL RIVER BRIDGE - SE
790+22.17 BE	790+42.17	20.0		MUSSELSHELL RIVER BRIDGE - NE
SUBTOTAL		89.5	64.0	
TOTAL		153.5		

REVEGETATION

STATION FROM	STATION TO	lump sum REVEGETATION	cu. yards TOPSOIL SALVAGING & PLACING	acres SEED	acres CONDITION SEEDBED	REMARKS
373+37.80	391+32.20		135	0.3	0.3	DIGOUT NO. 1 - WESTBOUND LANE
611+67.80	616+97.20		40	0.1	0.1	DIGOUT NO. 2 - EASTBOUND LANE
723+07.80	723+72.20		5	0.1	0.1	DIGOUT NO. 3 - WESTBOUND LANE
TOTAL		1	# 180	# 0.5	# 0.5	

FOR INFORMATION ONLY

SHEET NO. 5

SUMMARIES

PROJECT NAME: MOSBY - WEST

COUNTY: PETROLEUM & GARFIELD

PROJECT ID: NH 57-4(18)145

UPN: 10071000

DESIGNED BY	S. ERETHJ. GOTSCHALL	03/2025
REVIEWED BY	J. BROTZLER	03/2025
CHECKED BY	J. SOLIDAY	04/2025

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MONTANA Department of Transportation

ROAD PLANS

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SUMMARY

TEMPORARY BARRIER RAIL

STATION		linear feet		each		REMARKS
FROM	TO	TEMPORARY BARRIER RAIL	RESET TEMPORARY BARRIER RAIL	TEMPORARY IMPACT ATTENUATOR	RESET TEMPORARY IMPACT ATTENUATOR	
102+54.88 BE	104+38.88 BE	190	190	2	2	BOX ELDER CREEK BRIDGE
786+47.67 BE	790+22.17 BE	380	380	2	2	MUSSELSHELL RIVER BRIDGE
TOTAL		570	570	4	4	

GUARDRAIL

STATION		linear feet				each				REMARKS
		REMOVE GUARDRAIL		MGS GUARDRAIL		MASH W-BEAM TERMINAL SECTION		MASH THRIE-BEAM BRIDGE APPROACH SECTION		
FROM	TO	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	
NEW RAIL										
99+95.51	102+54.88 BE				187.5		1		1	BOX ELDER CREEK BRIDGE - SW
101+20.51	102+54.88 BE			62.5		1		1		BOX ELDER CREEK BRIDGE - NW
104+38.88 BE	105+73.26				62.5		1		1	BOX ELDER CREEK BRIDGE - SE
104+38.88 BE	106+73.26			162.5		1		1		BOX ELDER CREEK BRIDGE - NE
784+00.80	786+47.67 BE				175.0		1		1	MUSSELSHELL RIVER BRIDGE - SW
785+13.30	786+47.67 BE			62.5		1		1		MUSSELSHELL RIVER BRIDGE - NW
790+22.17 BE	792+44.05				150.0		1		1	MUSSELSHELL RIVER BRIDGE - SE
790+22.17 BE	792+69.05			175.0		1		1		MUSSELSHELL RIVER BRIDGE - NE
REMOVE RAIL										
100+01.53	102+54.88 BE		253.3							BOX ELDER CREEK BRIDGE - SW
101+24.81	102+54.88 BE	130.1								BOX ELDER CREEK BRIDGE - NW
104+38.88 BE	105+66.80		127.9							BOX ELDER CREEK BRIDGE - SE
104+38.88 BE	106+69.87	231.0								BOX ELDER CREEK BRIDGE - NE
784+07.87	786+47.67 BE		239.8							MUSSELSHELL RIVER BRIDGE - SW
785+20.22	786+47.67 BE	127.4								MUSSELSHELL RIVER BRIDGE - NW
790+22.17 BE	792+36.39		214.2							MUSSELSHELL RIVER BRIDGE - SE
790+22.17 BE	792+61.42	239.3								MUSSELSHELL RIVER BRIDGE - NE
SUBTOTAL		727.8	835.2	462.5	575.0	4	4	4	4	
TOTAL		1,563.0		1,037.5		8		8		

GUARDRAIL END SECTION WIDENING

STATION		each		REMARKS
		WIDENING SECTIONS		
FROM	TO	LEFT	RIGHT	
99+95.51	102+54.88 BE		1	BOX ELDER CREEK BRIDGE - SW
101+20.51	102+54.88 BE	1		BOX ELDER CREEK BRIDGE - NW
104+38.88 BE	105+73.26		1	BOX ELDER CREEK BRIDGE - SE
104+38.88 BE	106+73.26	1		BOX ELDER CREEK BRIDGE - NE
784+00.80	786+47.67 BE		1	MUSSELSHELL RIVER BRIDGE - SW
785+13.30	786+47.67 BE	1		MUSSELSHELL RIVER BRIDGE - NW
790+22.17 BE	792+44.05		1	MUSSELSHELL RIVER BRIDGE - SE
790+22.17 BE	792+69.05	1		MUSSELSHELL RIVER BRIDGE - NE
SUBTOTAL		4	4	
TOTAL		8		

SHEET NO. 6

SUMMARIES

PROJECT NAME: MOSBY - WEST

COUNTY: PETROLEUM & GARFIELD

PROJECT ID: NH 57-4(18)145

UPN: 10071000

DESIGNED BY	S. ERETH/J. GOTSCHALL	03/2025
REVIEWED BY	J. BROTZLER	03/2025
CHECKED BY	J. SOLIDAY	04/2025

MONTANA Department of Transportation

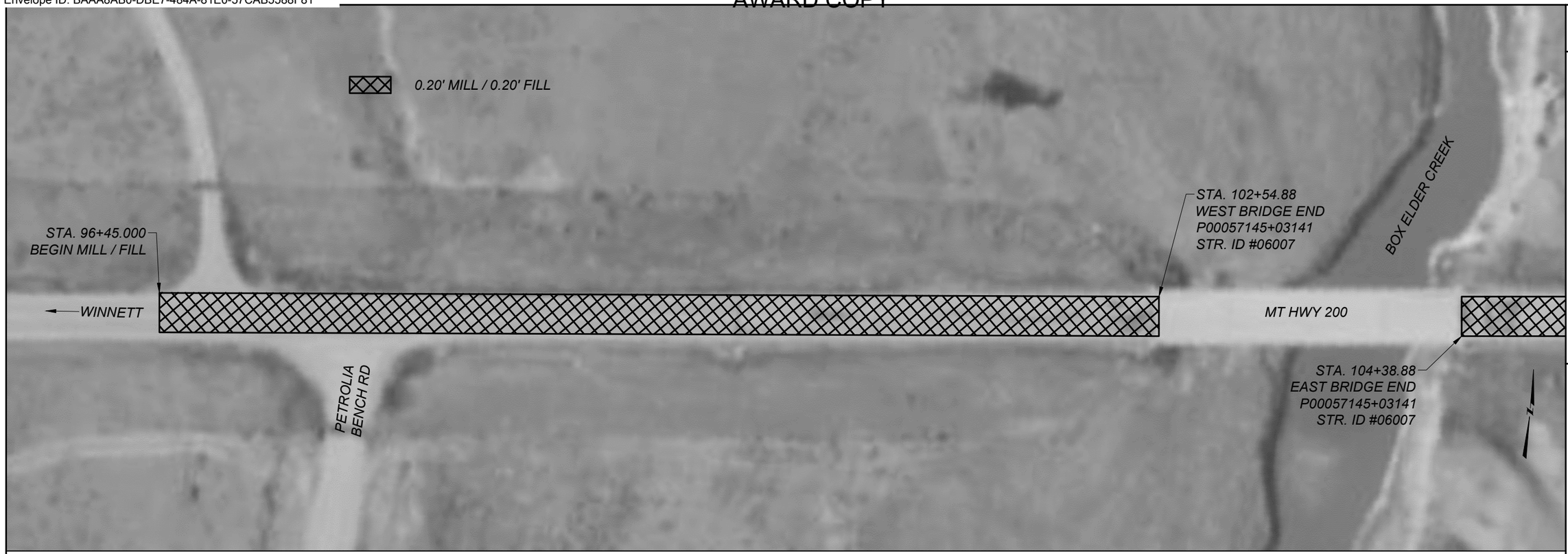
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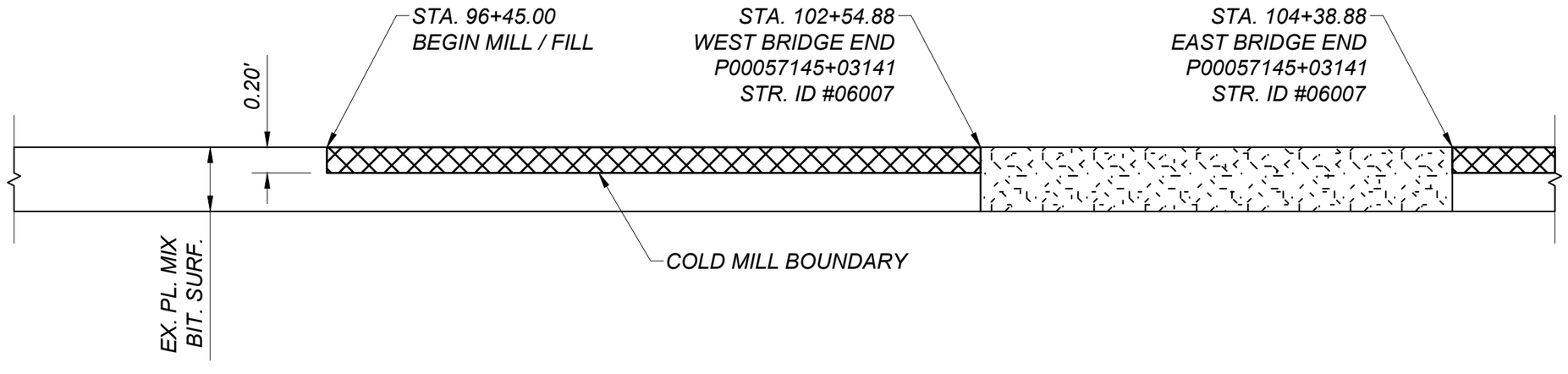
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AWARD COPY



0.20' MILL / 0.20' FILL

BRIDGE DECK



SHEET NO.
7

BEGIN PROJECT CONNECTION

PROJECT NAME: MOSBY - WEST

COUNTY: PETROLEUM & GARFIELD

PROJECT ID: NH 57-4(18)145

UPN: 10071000

DESIGNED BY	03/2025	REVIEWED BY	03/2025	CHECKED BY	04/2025
S. ERETH/J. GOTSCHALL		J. BROTZLER		J. SOLIDAY	

10071000RDDET001.DWG

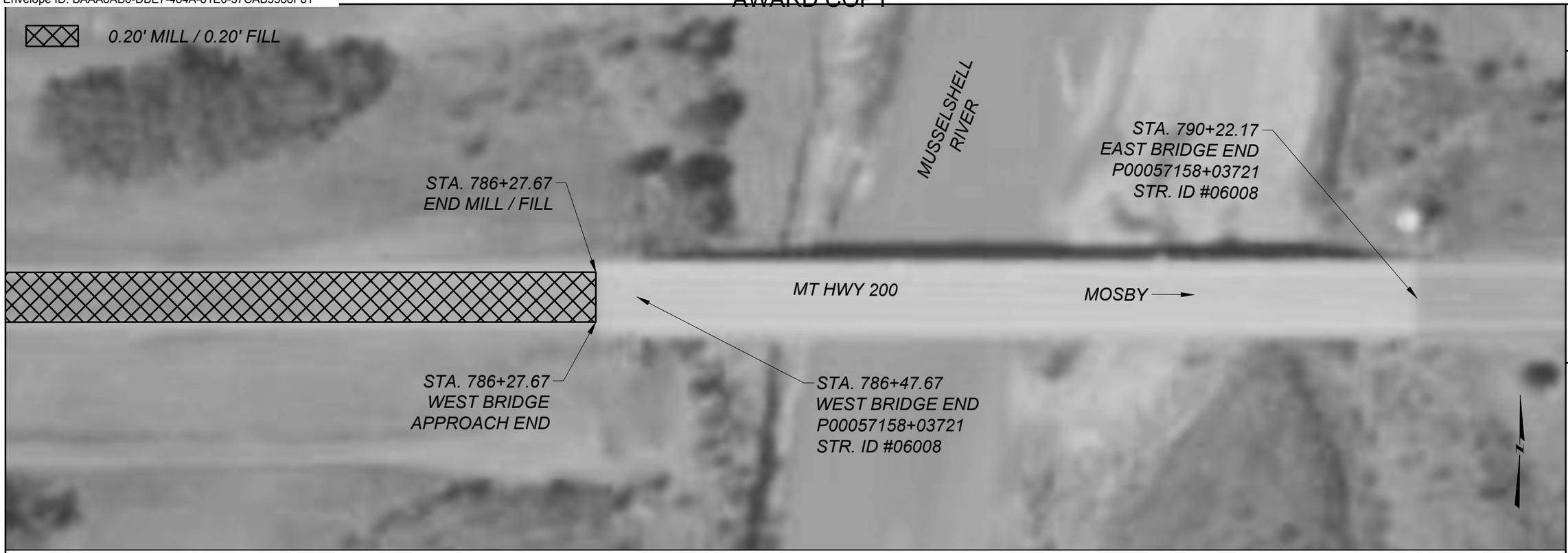
MONTANA
Department of Transportation

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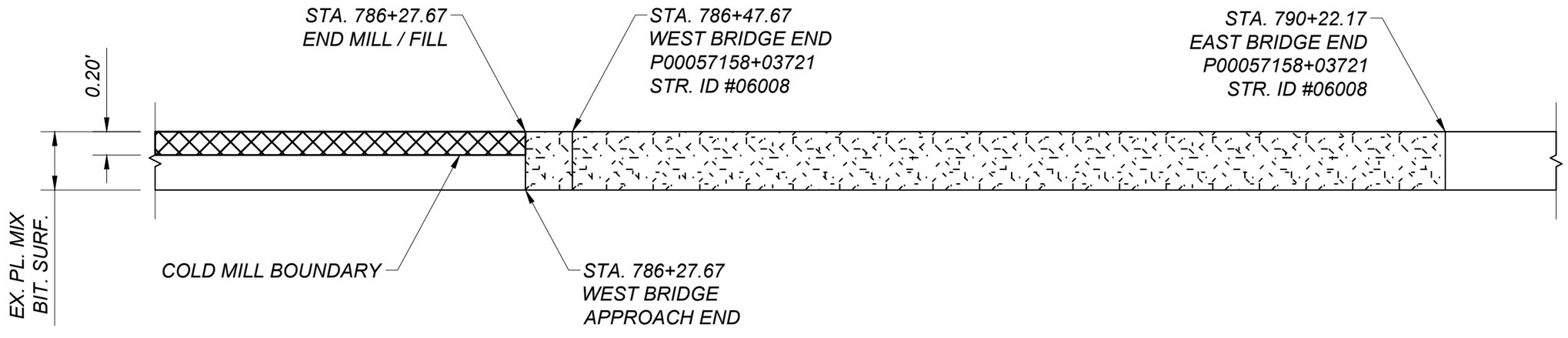
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AWARD COPY



0.20' MILL / 0.20' FILL

BRIDGE APPROACH SLAB / BRIDGE DECK



SHEET NO. 8

END PROJECT CONNECTION

PROJECT NAME: MOSBY - WEST

COUNTY: PETROLEUM & GARFIELD

PROJECT ID: NH 57-4(18)145

UPN: 10071000

DESIGNED BY	S. ERETH/J. GOTSCHALL	03/2025
REVIEWED BY	J. BROTZLER	03/2025
CHECKED BY	J. SOLIDAY	04/2025

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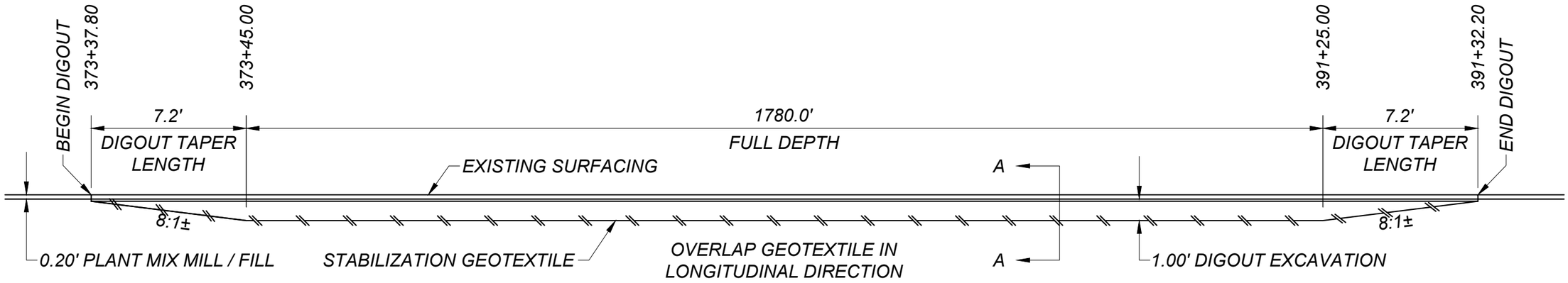
MONTANA Department of Transportation

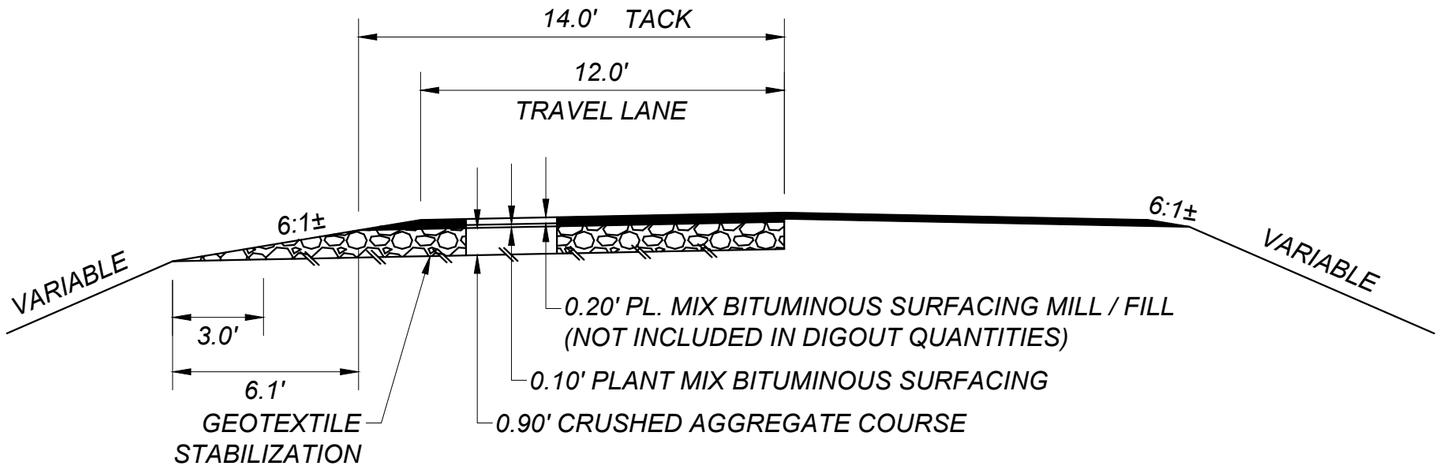
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373+37.80	TO	373+45.00	BEGIN DIGOUT NO. 1 TAPER
373+45.00	TO	391+25.00	FULL DEPTH DIGOUT NO. 1
391+25.00	TO	391+32.20	END DIGOUT NO. 1 TAPER





SECTION A-A

QUANTITIES

UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL		GEOTEXTILE STABALIZATION
	CRUSHED AGG. COURSE	PLANT MIX BIT. SURF. MISC.		ASPHALT BINDER PG 58V-34	EMULSIFIED ASPHALT TACK*	
AREA square feet	15.35	1.37	square yards PER STATION		156	190
cubic yards PER STATION	56.9	5.1	tons PER STATION	0.53		
tons PER STATION		10.6	gals. PER STATION		8	
square yards PER STATION						

*BASED ON 1 APPLICATION

NOTE:

FINAL DIGOUT LOCATION, LENGTH, AND DEPTH IS AT THE PROJECT MANAGER'S DISCRETION.

SHEET NO. 9

DIGOUT NO. 1 DETAIL

NO SCALE

PROJECT NAME: MOSBY - WEST

COUNTY: PETROLEUM & GARFIELD

PROJECT ID: NH 57-4(18)145

UPN: 10071000

DESIGNED BY	S. ERETH/J. GOTSCHALL	03/2025
REVIEWED BY	J. BROTZLER	03/2025
CHECKED BY	J. SOLIDAY	04/2025

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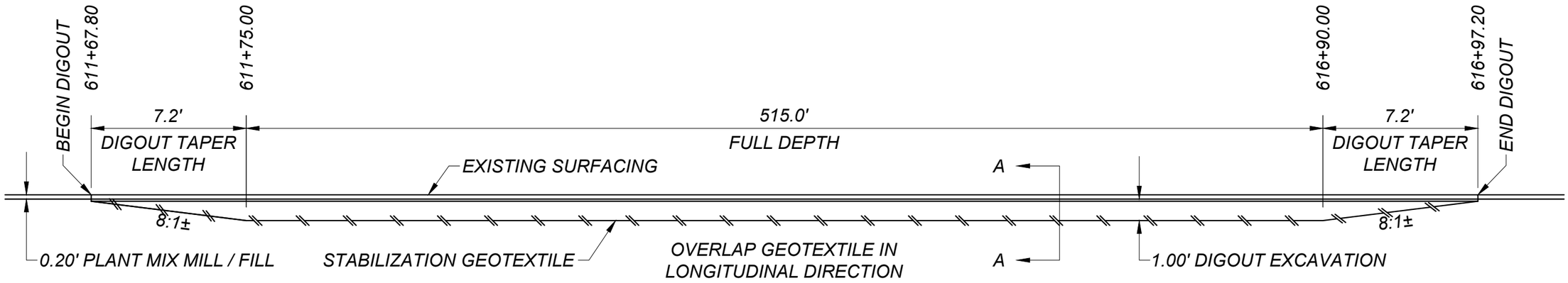
MONTANA Department of Transportation

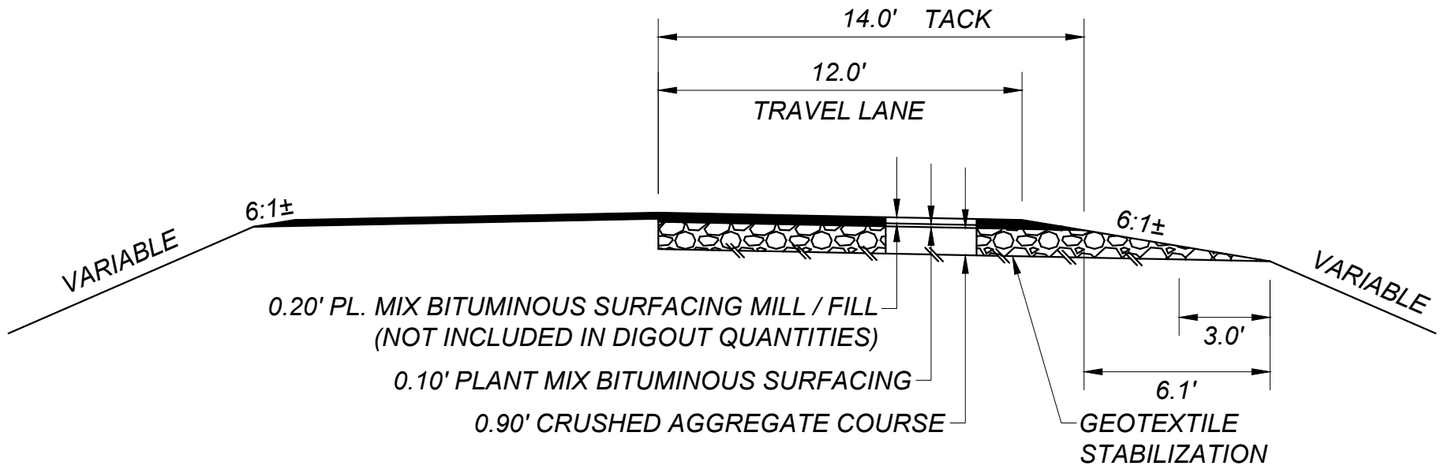
ROAD PLANS

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611+67.80	TO	611+75.00	BEGIN DIGOUT NO. 2 TAPER
611+75.00	TO	616+90.00	FULL DEPTH DIGOUT NO. 2
616+90.00	TO	616+97.20	END DIGOUT NO. 2 TAPER





SECTION A-A

QUANTITIES

UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL		GEOTEXTILE STABALIZATION
	CRUSHED AGG. COURSE	PLANT MIX BIT. SURF. MISC.		ASPHALT BINDER PG 58V-34	EMULSIFIED ASPHALT TACK*	
AREA square feet	15.35	1.37	square yards PER STATION		156	190
cubic yards PER STATION	56.9	5.1	tons PER STATION	0.53		
tons PER STATION		10.6	gals. PER STATION		8	
square yards PER STATION						

*BASED ON 1 APPLICATION

NOTE:

FINAL DIGOUT LOCATION, LENGTH, AND DEPTH IS AT THE PROJECT MANAGER'S DISCRETION.

SHEET NO. 10

DIGOUT NO. 2 DETAIL

NO SCALE

PROJECT NAME: MOSBY - WEST
COUNTY: PETROLEUM & GARFIELD
PROJECT ID: NH 57-4(18)145
UPN: 10071000

DESIGNED BY	S. ERETH/J. GOTSCHALL	03/2025
REVIEWED BY	J. BROTZLER	03/2025
CHECKED BY	J. SOLIDAY	04/2025

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MONTANA Department of Transportation

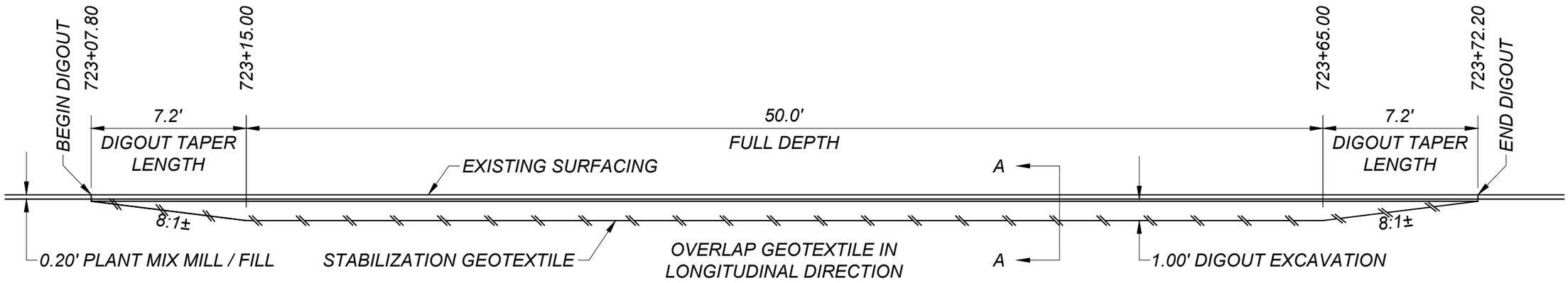
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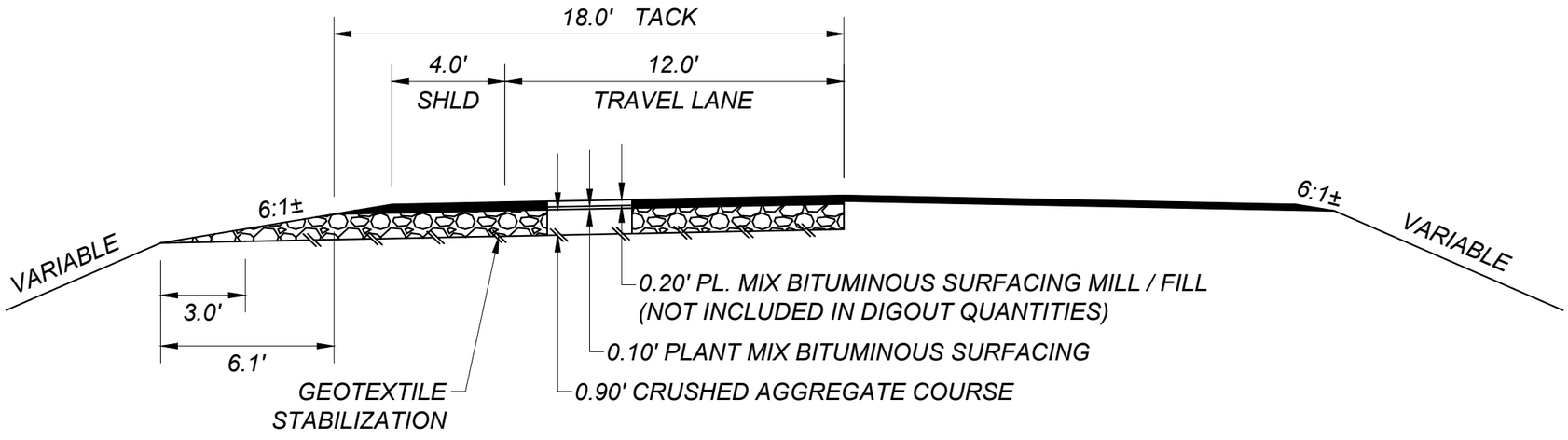
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723+07.80	TO	723+15.00	BEGIN DIGOUT NO. 3 TAPER
723+15.00	TO	723+65.00	FULL DEPTH DIGOUT NO. 3
723+65.00	TO	723+72.20	END DIGOUT NO. 3 TAPER





SECTION A-A

QUANTITIES

UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL		GEOTEXTILE STABALIZATION
	CRUSHED AGG. COURSE	PLANT MIX BIT. SURF. MISC.		ASPHALT BINDER PG 58V-34	EMULSIFIED ASPHALT TACK*	
AREA square feet	18.95	1.77	square yards PER STATION		200	234
cubic yards PER STATION	70.2	6.6	tons PER STATION	0.69		
tons PER STATION		13.8	gals. PER STATION		10	
square yards PER STATION						

*BASED ON 1 APPLICATION

NOTE:

FINAL DIGOUT LOCATION, LENGTH, AND DEPTH IS AT THE PROJECT MANAGER'S DISCRETION.

SHEET NO. 11

DIGOUT NO. 3 DETAIL

NO SCALE

PROJECT NAME: MOSBY - WEST

COUNTY: PETROLEUM & GARFIELD

PROJECT ID: NH 57-4(18)145

UPN: 10071000

DESIGNED BY	S. ERETH/J. GOTSCHALL	03/2025
REVIEWED BY	J. BROTZLER	03/2025
CHECKED BY	J. SOLIDAY	04/2025

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MONTANA Department of Transportation

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DIGOUT NO. 1

STA. 373+37.80
BEGIN DIGOUT NO. 1
WESTBOUND LANE

MT HWY 200
WINNETT



DIGOUT NO. 1

STA. 391+32.20
END DIGOUT NO. 1
WESTBOUND LANE

MT HWY 200
MOSBY



SHEET NO.
12

DIGOUT LOCATION DETAILS

NO SCALE

PROJECT NAME: MOSBY - WEST

COUNTY: PETROLEUM & GARFIELD

PROJECT ID: NH 57-4(18)145

UPN: 10071000

DESIGNED BY	S. ERETH/J. GOTSCHALL	03/2025
REVIEWED BY	J. BROTZLER	03/2025
CHECKED BY	J. SOLIDAY	04/2025

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Department of Transportation

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AWARD COPY

DIGOUT NO. 2

WINNETT

MT HWY 200
MOSBY

STA. 611+67.80
BEGIN DIGOUT NO. 2
EASTBOUND LANE

STA. 616+97.20
END DIGOUT NO. 2
EASTBOUND LANE

DIGOUT NO. 3

STA. 723+07.80
BEGIN DIGOUT NO. 3
WESTBOUND LANE

STA. 723+72.20
END DIGOUT NO. 3
WESTBOUND LANE

WINNETT

MT HWY 200

MOSBY

SHEET NO.
13

DIGOUT LOCATION DETAILS

NO SCALE

PROJECT NAME: MOSBY - WEST

COUNTY: PETROLEUM & GARFIELD

PROJECT ID: NH 57-4(18)145

UPN: 10071000

DESIGNED BY	03/2025	S. ERETH/J. GOTSCHALL	
REVIEWED BY	03/2025	J. BROTZLER	
CHECKED BY	04/2025	J. SOLIDAY	

MONTANA
Department of Transportation

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NOTES AND ABBREVIATIONS:

MOUNTING HEIGHT REQUIREMENTS: MOUNTING HEIGHTS SHOWN REFER TO THE BOTTOM OF THE MAJOR PANEL. SEE DETAILED DRAWINGS 619-00 & 619-08

ALL MARKINGS ARE PAINT, EXCEPT AS NOTED. WHERE SPECIFIED ON THE PLANS AS PLASTIC, INSTALL INLAID HOT EXTRUDED HYDRO-CARBON THERMOPLASTIC PAVEMENT MARKINGS.

SEE LOCATION AND SPECIFICATION SHEETS FOR PORTIONS OF PROJECT NOT INCLUDED WITHIN SIGNING PLAN SHEETS.

SIGN POSTS SYMBOLS SHOWN ARE FOR REFERENCE ONLY TO SHOW EXISTING SIGNS THAT REQUIRE NO ACTION.

SIGNING LOCATIONS ARE APPROXIMATE. ENGINEERING PROJECT MANAGER TO FIELD ADJUST AS NECESSARY.

ADOPT A HIGHWAY: IF SIGNS N7-1/N7-1P EXIST, CONTRACTOR WILL CONFIRM THAT THE GROUP NAME ON THE SIGN(S) EXISTING AT THE TIME OF CONSTRUCTION CORRESPONDS TO THE GROUP NAME ON THE SIGN(S) SHOWN IN PLANS. IF NAME IS DIFFERENT, ENGINEERING PROJECT MANAGER WILL CONTACT TRAFFIC & SAFETY BUREAU SIGNING SECTION WITH THE CORRECT NAME AND A NEW SIGN DESIGN WILL BE PROVIDED.

FY = FLUORESCENT YELLOW SHEETING REQUIRED

FYG = FLUORESCENT YELLOW-GREEN SHEETING REQUIRED

✕ = STANDARD BREAKAWAY DEVICE:
- FOR WOOD POST SEE DETAILED DRAWING 619-20.
- FOR STRUCTURAL STEEL SEE DETAILED DRAWING 619-13.

▲ = SINGLE SQUARE TUBE REQUIRED. MOUNTED IN HEAVY DUTY STUB.

★ = TELESCOPED SQUARE TUBES (2-1/4" & 2-1/2") WITH SLIP BASE BREAKAWAY REQUIRED. MOUNTED IN HEAVY DUTY STUB.

■ = FRANGIBLE SIGN POST. BREAKAWAY DEVICE REQUIRED.

AIR = ANGLE IRON REQUIRED 2 1/2" x 2 1/2" x 3/8" x 6'-4" (37 lbs.)

BBR = BACKBRACING REQUIRED:
- FOR WOOD POLE SEE DET. DWG 619-22
- FOR STEEL POST 2" X 2" X 1/4" REQUIRED. SEE DET. DWG 619-16
- FOR STRUCTURAL STEEL POST 2 3/4" X 2 3/8" EXTRUDED "T" SECTION BACKBRACE REQUIRED. SEE DET. DWG 619-19
- FOR CANTILEVER POST, SEE DET. DWG 619-18
- FOR GUIDE SIGN PANELS, USE EXTRUDED "T" SECTION BACKBRACE. SEE DET. DWG 619-04

USE HARDWARE MEETING REQUIREMENTS OF SECTION 704

BGR = BEHIND GUARDRAIL

MBB = MOUNT BACK TO BACK

RSFO = REPLACE SIGN FACE ONLY

SUMMARY
SIGNING & DELINEATION QUANTITIES

MATERIAL	TOTAL	UNIT
SIGNS-ALUM REFL SHEET XI	572.7	SQFT
SIGNS-ALUM SHEET INCR XI	49.3	SQFT
REMOVE SIGN	83	EACH
REMOVE SIGN-GUIDE	5	EACH
POSTS-STEEL U SIGN	260	LB
POLES-TREATED WOOD 4 IN	786	LNFT
POLES-TREATED WOOD 5 IN	378	LNFT
DELINEATOR TYPE 1	407	EACH
PANEL DELINEATOR DESIGN A	34	EACH

DELINEATION SPECIFICATIONS

SYMBOL	DESIGN	TOTAL
⊣	A	394
⊣⊣	D	10
⊣	F	3
⊣	Panel A	34

SHEET NO.
S1

SIGNING NOTES AND SUMMARY FRAMES

PROJECT NAME MOSBY - WEST
COUNTY MUSSELSHELL AND GARFIELD COUNTIES
PROJECT ID NH 57 - 4(18)145
UPN 10071000

DESIGNED BY Z. KIRKEMO 05/2025
REVIEWED BY S. WATSON 05/2025
CHECKED BY N. STYREN 05/2025

MONTANA Department of Transportation

SIGNING PLANS

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12/30/2025 8:34 AM

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SIGN LOCATION					SIGN PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES											ADDITIONAL INFORMATION	
STATION / R.P.		DIRECTION	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)	FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	FEET	TYPE OF SUPPORT	FEET						CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)				# OF BREAKAWAYS	REMOVE		RESET		SIGN IMAGE	SIGN STATUS & REMARKS
LFT	MDN	RGT			W X H					CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)		SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z				SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST		SIGN	GUIDE	SIGN	GUIDE		
145.282		EB																																
		X		I2-2	42 X 18					5.0	4" Treated Wood Pole		5.0	3.0	19.0					BGR	5.3		20							1				Box Elder Creek	Box Elder Creek
145.283		WB																																
		X		W14-3																BGR										1				NO PASSING ZONE	REMOVE - DO NOT REPLACE
145.339		WB																																
X				I2-2	42 X 18					5.0	4" Treated Wood Pole		5.0	3.0	19.0					BGR	5.3		20							1				Box Elder Creek	Box Elder Creek
145.434		WB																																
X				W8-13	36 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0	12.0						9.0		12							1				BRIDGE ICES BEFORE ROAD	HINGED
145.838		WB																																
		X		W14-3	48 X 36	FY	BBR			10.0	4" Treated Wood Pole		5.0	3.0	13.0						5.5		14							1				NO PASSING ZONE	
146.000																																		
		X		D10-3	10 X 36			MBB		4.0	2.0lb Steel U Post		4.0	3.0	10.0						5.0							20		1				MILE 146	RP 146
146.036		WB					BBR												X															
X				D2-2	72 X 30					10.0	5" Treated Wood Pole	3.6	7.0	3.5	13.5	13.5						15.0		28						1				Winnett 10 Lewistown 63	Winnett 10 / Lewistown 63
146.130		EB					BBR																											
X				W14-3	48 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.0						5.5		14							1				NO PASSING ZONE	
146.475		WB					BBR																											
		X		W14-3	48 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.0						5.5		14							1				NO PASSING ZONE	
146.664		EB					BBR																											
X				W14-3	48 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.0						5.5		14							1				NO PASSING ZONE	

SHEET NO.
S2

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME MOSBY - WEST
COUNTY MUSSELSHELL AND GARFIELD COUNTIES
PROJECT ID NH 57 - 4(18)145
UPN 10071000

DESIGNED BY		REVIEWED BY		CHECKED BY	
Z. KIRKEMO	05/2025	S. WATSON	05/2025	N. STYREN	05/2025

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MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION				SIGN PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
STATION / R.P.		DIRECTION	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)	FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	FEET		FEET				CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)				# OF BREAKAWAYS	REMOVE		RESET		SIGN IMAGE	SIGN STATUS & REMARKS
LFT	MDN	RGT			W X H					CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X Y Z				SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST		SIGN	GUIDE	SIGN	GUIDE		
146.878		SB		D3-1 (2x)	30 X 12			MBB		10.0	4" Treated Wood Pole		5.0	3.0	12.8				5.0		14										Jitney Rd	Jitney Rd
				R1-1	30 X 30														5.2								1				STOP	
146.988		WB		S3-1	36 X 36	FYG				10.0	4" Treated Wood Pole		5.0	3.0	11.0				9.0		12						1					
X																																	
147.000				D10-3	10 X 36			MBB		4.0	2.0lb Steel U Post		4.0	3.0	10.0				5.0							20	1					RP 147
		X																															
147.224		WB		W14-3	48 X 36	FY	BBR			10.0	4" Treated Wood Pole		5.0	3.0	13.0				5.5		14						1					
		X																															
147.259		EB		D2-2	54 X 18		BBR			10.0	5" Treated Wood Pole	2.7	7.0	3.5	13.0	13.0		X		6.8		28					1					Jordan 65	Jordan 65
		X																															
147.555		EB		W14-3	48 X 36	FY	BBR			10.0	4" Treated Wood Pole		5.0	3.0	13.0				5.5		14						1					
X																																	
148.000				D10-3	10 X 36			MBB		4.0	2.0lb Steel U Post		4.0	3.0	10.0				5.0							20	1					RP 148
		X																															
148.010		WB		W14-3	48 X 36	FY	BBR			10.0	4" Treated Wood Pole		5.0	3.0	13.0				5.5		14						1					
		X																															
148.010		EB		W14-3	48 X 36	FY	BBR			10.0	4" Treated Wood Pole		5.0	3.0	13.0				5.5		14						1					
X																																	
148.350		EB		W14-3	48 X 36	FY	BBR			10.0	4" Treated Wood Pole		5.0	3.0	13.0				5.5		14						1					
X																																	

SHEET NO.
S3

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: MOSBY - WEST
COUNTY: MUSSELSHELL AND GARFIELD COUNTIES
PROJECT ID: NH 57 - 4(18)145
UPN: 10071000

DESIGNED BY		REVIEWED BY		CHECKED BY	
Z. KIRKEMO	05/2025	S. WATSON	05/2025	N. STYREN	05/2025

MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION				SIGN PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
STATION / R.P.		DIRECTION	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)	FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	FEET	TYPE OF SUPPORT	FEET				CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)				# OF BREAKAWAYS	REMOVE		RESET		SIGN IMAGE	SIGN STATUS & REMARKS
LFT	MDN	RGT			W X H					CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)		SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X Y Z				SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST		SIGN	GUIDE	SIGN	GUIDE		
148.360		WB					BBR								13.0																	
		X		W14-3	48 X 48	FY				10.0	4" Treated Wood Pole		5.0	3.0					5.5		14						1				NO PASSING ZONE	
149.000																															
		X		D10-3	10 X 36			MBB		4.0	2.0lb Steel U Post		4.0	3.0	10.0				5.0							20		1				MILE 149	RP 149
149.072		WB					BBR								13.0																	
		X		W14-3	48 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0					5.5		14						1				NO PASSING ZONE	
149.242		EB					BBR								13.0																	
X				W14-3	48 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0					5.5		14						1				NO PASSING ZONE	
149.252		EB													13.4																	
		X		W1-2R	30 X 30	FY				10.0	4" Treated Wood Pole		5.0	3.0					6.3		14						1					
149.300																															
X				W1-8R (2x)	24 X 30	FY				10.0	5" Treated Wood Pole		5.0	3.5	12.4			X	10.0			14					1					
149.334																															
X				W1-8R (2x)	24 X 30	FY				10.0	5" Treated Wood Pole		5.0	3.5	12.4			X	10.0			14					1					
149.377																															
X				W1-8R (2x)	24 X 30	FY				10.0	5" Treated Wood Pole		5.0	3.5	12.4			X	10.0			14					1					
149.412																															
X				W1-8R (2x)	24 X 30	FY				10.0	5" Treated Wood Pole		5.0	3.5	12.4			X	10.0			14					1					
149.446																															
X				W1-8R (2x)	24 X 30	FY				10.0	5" Treated Wood Pole		5.0	3.5	12.4			X	10.0			14					1					

SHEET NO.
S4

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME MOSBY - WEST
COUNTY MUSSELSHELL AND GARFIELD COUNTIES
PROJECT ID NH 57 - 4(18)145
UPN 10071000

DESIGNED BY		REVIEWED BY		CHECKED BY	
Z. KIRKEMO	05/2025	S. WATSON	05/2025	N. STYREN	05/2025

10071000SISUM001.DWG

MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION				SIGN PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS									SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
STATION / R.P.		DIRECTION	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)	FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	FEET	TYPE OF SUPPORT	FEET				CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)				# OF BREAKAWAYS	REMOVE		RESET		SIGN IMAGE	SIGN STATUS & REMARKS
LFT	MDN	RGT			W X H					CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)		SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X Y Z				SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST		SIGN	GUIDE	SIGN	GUIDE		
149.491		WB																													
X				W1-2L	30 X 30	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.4				6.3		14						1					
149.952		WB					BBR																								
		X		W14-3	48 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.0				5.5		14						1					
150.000																															
		X		D10-3	10 X 36			MBB		4.0	2.0lb Steel U Post		4.0	3.0	10.0				5.0							20	1					RP 150
150.098		EB					BBR																								
X				W14-3	48 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.0				5.5		14						1					
150.640		WB					BBR																								
		X		W14-3	48 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.0				5.5		14						1					
151.000																															
		X		D10-3	10 X 36			MBB		4.0	2.0lb Steel U Post		4.0	3.0	10.0				5.0							20	1					RP 151
151.133		EB					BBR																								
X				W14-3	48 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.0				5.5		14						1					
151.484		WB					BBR																								
		X		W14-3	48 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.0				5.5		14						1					
151.629		EB																													
		X		W1-2R	30 X 30	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.4				6.3		14						1					
151.671																	X														
X				W1-8R (2x)	24 X 30	FY				10.0	5" Treated Wood Pole		5.0	3.5	12.4				10.0			14					1					

SHEET NO.
S5

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: MOSBY - WEST
COUNTY: MUSSELSHELL AND GARFIELD COUNTIES
PROJECT ID: NH 57 - 4(18)145
UPN: 10071000

DESIGNED BY		REVIEWED BY		CHECKED BY	
Z. KIRKEMO	05/2025	S. WATSON	05/2025	N. STYREN	05/2025

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MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION				SIGN PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS									SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
STATION / R.P.		DIRECTION	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)	FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	FEET	TYPE OF SUPPORT	FEET					CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)				# OF BREAKAWAYS	REMOVE		RESET		SIGN IMAGE	SIGN STATUS & REMARKS
LFT	MDN	RGT			W X H					CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)		SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X Y Z					SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST		SIGN	GUIDE	SIGN	GUIDE		
151.712																																
X				W1-8R (2x)	24 X 30	FY				10.0	5" Treated Wood Pole		5.0	3.5	12.4			X		10.0			14					1					
151.752																																
X				W1-8R (2x)	24 X 30	FY				10.0	5" Treated Wood Pole		5.0	3.5	12.4			X		10.0			14					1					
151.791																																
X				W1-8R (2x)	24 X 30	FY				10.0	5" Treated Wood Pole		5.0	3.5	12.4			X		10.0			14					1					
151.826																																
X				W1-8R (2x)	24 X 30	FY				10.0	5" Treated Wood Pole		5.0	3.5	12.4			X		10.0			14					1					
151.871		WB																														
X				W1-2L	30 X 30	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.4					6.3			14					1					
151.886		EB					BBR																									
X				W14-3	48 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.0					5.5			14					1					
152.000																																
		X		D10-3	10 X 36			MBB		4.0	2.0lb Steel U Post		4.0	3.0	10.0					5.0							20	1					RP 152
152.373		SB																														
X				D3-1 (2x)	42 X 12			MBB		6.0	4" Treated Wood Pole		5.0	3.0	12.8					7.0			14										Cat Creek Rd
				R1-1	30 X 30															5.2								1				
153.000																																
		X		D10-3	10 X 36			MBB		4.0	2.0lb Steel U Post		4.0	3.0	10.0					5.0							20	1					RP 153
153.025		WB					BBR																									
		X		W14-3	48 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.0					5.5			14					1					

SHEET NO.
S6

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: MOSBY - WEST
COUNTY: MUSSELSHELL AND GARFIELD COUNTIES
PROJECT ID: NH 57 - 4(18)145
UPN: 10071000

DESIGNED BY	REVIEWED BY	CHECKED BY
Z. KIRKEMO 05/2025	S. WATSON 05/2025	N. STYREN 05/2025

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MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION				SIGN PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS									SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
STATION / R.P.		DIRECTION	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)	FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	FEET	TYPE OF SUPPORT	FEET						CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)				# OF BREAKAWAYS	REMOVE		RESET		SIGN IMAGE	SIGN STATUS & REMARKS
LFT	MDN	RGT			W X H					CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)		SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z				SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST		SIGN	GUIDE	SIGN	GUIDE		
153.218		EB					BBR																										
X				W14-3	48 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.0						5.5		14							1				NO PASSING ZONE	
153.630		WB					BBR																										
		X		W14-3	48 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.0						5.5		14							1				NO PASSING ZONE	
154.000		EB					BBR																										
X				W14-3	48 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.0						5.5		14							1				NO PASSING ZONE	
154.000																																	
		X		D10-3	10 X 36			MBB		4.0	2.0lb Steel U Post		4.0	3.0	10.0						5.0							20		1				MILE 154	RP 154
154.705		WB					BBR																										
		X		W14-3	48 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.0						5.5		14							1				NO PASSING ZONE	
154.815		EB																															
		X		W1-2L	30 X 30	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.4						6.3		14							1					
154.855																																	
		X		W1-8L (2x)	24 X 30	FY				10.0	5" Treated Wood Pole		5.0	3.5	12.4					X	10.0			14						1					
154.895																																	
		X		W1-8L (2x)	24 X 30	FY				10.0	5" Treated Wood Pole		5.0	3.5	12.4					X	10.0			14						1					
154.935																																	
		X		W1-8L (2x)	24 X 30	FY				10.0	5" Treated Wood Pole		5.0	3.5	12.4					X	10.0			14						1					
154.971																																	
		X		W1-8L (2x)	24 X 30	FY				10.0	5" Treated Wood Pole		5.0	3.5	12.4					X	10.0			14						1					

SHEET NO.
S7

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME MOSBY - WEST
COUNTY MUSSELSHELL AND GARFIELD COUNTIES
PROJECT ID NH 57 - 4(18)145
UPN 10071000

DESIGNED BY Z. KIRKEMO 05/2025
REVIEWED BY S. WATSON 05/2025
CHECKED BY N. STYREN 05/2025

MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION				SIGN PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
STATION / R.P.		DIRECTION	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)	FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	FEET	TYPE OF SUPPORT	FEET						CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)				# OF BREAKAWAYS	REMOVE		RESET		SIGN IMAGE	SIGN STATUS & REMARKS
LFT	MDN	RGT			W X H					CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)		SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z				SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST		SIGN	GUIDE	SIGN	GUIDE		
155.000																																	
		X		D10-3	10 X 36			MBB		10.0	2.0lb Steel U Post		4.0	3.0	10.0						5.0							20		1					RP 155
155.015		EB					BBR																										
X				W14-3	48 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.0						5.5		14							1					
155.016																																	
		X		W1-8L (2x)	24 X 30	FY				10.0	5" Treated Wood Pole		5.0	3.5	12.4				X		10.0			14						1					
155.065		WB																															
X				W1-2R	30 X 30	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.4						6.3		14							1					
155.918		WB					BBR																										
		X		W14-3	48 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.0						5.5		14							1					
155.922		WB																															
X				W5-1	36 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0	10.5						9.0		12							1					
156.000																																	
		X		D10-3	10 X 36			MBB		4.0	2.0lb Steel U Post		4.0	3.0	10.0						5.0							20		1					RP 156
156.307		EB					BBR																										
X				W14-3	48 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.0						5.5		14							1					
156.653		WB					BBR																										
		X		W14-3	48 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.0						5.5		14							1					
157.000																																	
		X		D10-3	10 X 36			MBB		4.0	2.0lb Steel U Post		4.0	3.0	10.0						5.0							20		1					RP 157

SHEET NO.
S8

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: ***MOSBY - WEST***
COUNTY: ***MUSSELSHELL AND GARFIELD COUNTIES***
PROJECT ID: ***NH 57 - 4(18)145***
UPN: ***10071000***

DESIGNED BY		REVIEWED BY		CHECKED BY	
Z. KIRKEMO	05/2025	S. WATSON	05/2025	N. STYREN	05/2025

10071000SISUM001.DWG

MONTANA *Department of Transportation*

SIGNING PLANS

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SIGN LOCATION				SIGN PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
STATION / R.P.		DIRECTION	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)	FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	FEET	TYPE OF SUPPORT	FEET					CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)				# OF BREAKAWAYS	REMOVE		RESET		SIGN IMAGE	SIGN STATUS & REMARKS
LFT	MDN	RGT			W X H					CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)		SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z					4" TOP DIA.	5" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST		SIGN	GUIDE	SIGN	GUIDE		
157.647		EB					BBR																										
X				W14-3	48 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.0					5.5		14							1					
157.659		WB																															
X				D2-2	72 X 30					10.0	5" Treated Wood Pole	3.6	7.0	3.5	13.5	13.5			X		15.0		28						1				Winnett 22 / Lewistown 76
157.660		EB																															
		X		M1-12 MT	24 X 24					10.0	4" Treated Wood Pole		6.3	3.0	13.0				X	4.0		14						1				MT 500
				M6-1PR	21 X 15															2.2											
157.738		WB																															
X				M3-4P	24 X 12					10.0	4" Treated Wood Pole		6.3	3.0	13.0				X	2.0		14						1				
				M1-5	30 X 24															5.0											MT 200
157.739		NB																															
X				W1-7a MT	48 X 24	FY	BBR			30.0	5" Treated Wood Pole	2.4	5.0	3.5	10.5	10.5			X	8.0			24					1				REMOVE EXISTING ASSEMBLY, NEW W1-7a
157.740		NB																															
		X		D3-1 (2x)	36 X 12			MBB		20.0	4" Treated Wood Pole		5.0	3.0	12.8					6.0		14						1				Melstone Rd
				R1-1	30 X 30															5.2											
157.745		EB																															
		X		M3-2P	24 X 12					10.0	4" Treated Wood Pole		6.3	3.0	13.0				X	2.0		14						1				
				M1-5	30 X 24															5.0											MT 200
157.800		EB					BBR																										
		X		D2-2	60 X 30					10.0	5" Treated Wood Pole	3.0	7.0	3.5	13.5	13.5			X		12.5		28						1				Jordan 55 / Sidney 196

SHEET NO.
S9

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: MOSBY - WEST
COUNTY: MUSSELSHELL AND GARFIELD COUNTIES
PROJECT ID: NH 57 - 4(18)145
UPN: 10071000

DESIGNED BY: Z. KIRKEMO 05/2025
REVIEWED BY: S. WATSON 05/2025
CHECKED BY: N. STYREN 05/2025

MONTANA Department of Transportation

SIGNING PLANS

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Docusign Envelope ID: BAAA8AB0-DBE7-484A-81E0-57CAB5588F81

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SIGN LOCATION				SIGN PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
STATION / R.P.		DIRECTION	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)	FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	FEET		FEET						CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)				# OF BREAKAWAYS	REMOVE		RESET		SIGN IMAGE	SIGN STATUS & REMARKS
LFT	MDN	RGT			W X H					CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z				SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST		SIGN	GUIDE	SIGN	GUIDE		
157.827		WB																															
X				M1-12 MT	24 X 24					10.0	5" Treated Wood Pole		6.3	3.5	13.0				X		4.0			14						1				500	MT 500
				M6-1PL	21 X 15																2.2												
157.839		WB					BBR																										
		X		W14-3	48 X 36	FY				10.0	4" Treated Wood Pole		5.0	3.0	13.0						5.5		14							1				NO PASSING ZONE	
157.955		EB																															
		X		N7-1 MT	36 X 48					20.0	5" Treated Wood Pole		5.0	3.5	17.2				X		12.0			18						1				ADOPT A HIGHWAY KEEP IT GREEN KEEP IT CLEAN	
				N7-1P MT	36 X 12																3.0											IN MEMORY OF VERNON ROWTON	IN MEMORY OF VERNON ROWTON
158.000																																	
		X		D10-3	10 X 36			MBB		4.0	2.0lb Steel U Post		4.0	3.0	10.0						5.0							20		1				MILE 158	RP 158
158.185		EB																															
		X		W8-13	36 X 36					10.0	4" Treated Wood Pole		5.0	3.0	12.0						9.0		12							1				BRIDGE ICES BEFORE ROAD	HINGED
158.330		EB					BBR																										
		X		I2-1	48 X 18					5.0	4" Treated Wood Pole	2.4	5.0	3.0	12.5	12.5			BGR		6.0		28							1				Musselshell River	Musselshell River
158.340		WB					BBR																										
X				I2-1	42 X 18					5.0	4" Treated Wood Pole	2.1	5.0	3.0	13.0	13.0			BGR		5.3		28							1				Petroleum County	Petroleum County
158.420		EB					BBR																										
		X		I2-1	36 X 18					5.0	4" Treated Wood Pole	1.8	5.0	3.0	13.0	13.0			BGR		4.5		28							1				Garfield County	Garfield County
158.420		WB					BBR																										
X				I2-1	48 X 18					10.0	4" Treated Wood Pole	2.4	5.0	3.0	12.5	12.5			BGR		6.0		28							1				Musselshell River	Musselshell River

SHEET NO.
S10

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: MOSBY - WEST
COUNTY: MUSSELSHELL AND GARFIELD COUNTIES
PROJECT ID: NH 57 - 4(18)145
UPN: 10071000

DESIGNED BY	REVIEWED BY	CHECKED BY
Z. KIRKEMO 05/2025	S. WATSON 05/2025	N. STYREN 05/2025

10071000SISUM001.DWG

MONTANA Department of Transportation

SIGNING PLANS

12/30/2025 8:34 AM

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AWARD COPY

SIGN LOCATION				SIGN PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS									SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
STATION / R.P.		DIRECTION	RAMP NO.	SIGN NO. (MUTCD)	PANEL SIZE (INCHES)	FY OR FYG	BACK BRACING REQ'D ANGLE IRON REQ'D	MOUNT BACK TO BACK	REPLACE SIGN FACE ONLY	FEET	TYPE OF SUPPORT	FEET					CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)		STEEL POST (LBS.)				# OF BREAKAWAYS	REMOVE		RESET		SIGN IMAGE	SIGN STATUS & REMARKS
LFT	MDN	RGT			W X H					CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN)		SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X Y Z					SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST		SIGN	GUIDE	SIGN	GUIDE		
158.550		WB													12.0																	
X				W8-13	36 X 36					10.0	4" Treated Wood Pole		5.0	3.0						9.0		12						1				BRIDGE ICES BEFORE ROAD	HINGED
Totals																				572.7	49.3	786	378				260		83	5				

SHEET NO.
S11

SIGN LOCATIONS AND SPECIFICATIONS

MONTANA
Department of Transportation

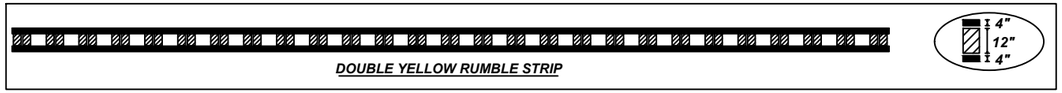
SIGNING PLANS

DESIGNED BY		PROJECT NAME	MOSBY - WEST
Z. KIRKEMO	05/2025	COUNTY	MUSSELSHELL AND GARFIELD COUNTIES
REVIEWED BY			
S. WATSON	05/2025	PROJECT ID	NH 57 - 4(18)145
CHECKED BY		UPN	10071000
N. STYREN	05/2025		

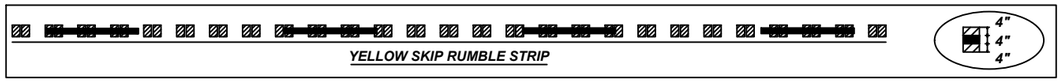
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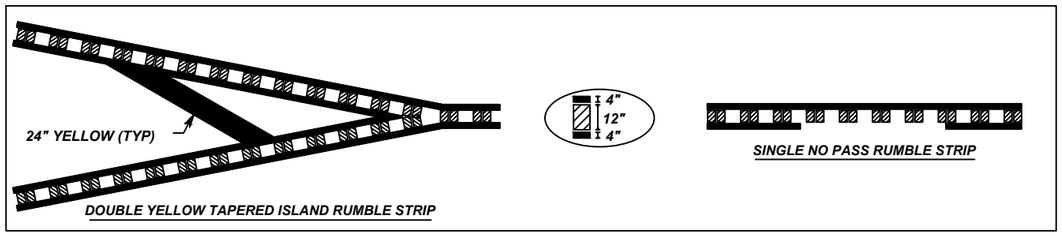
TYPICAL RURAL CENTERLINE PAVEMENT MARKINGS AND RUMBLE STRIPS. SEE ROAD DESIGN PLANS FOR RUMBLE STRIP QUANTITY (IF USED)



DOUBLE YELLOW RUMBLE STRIP

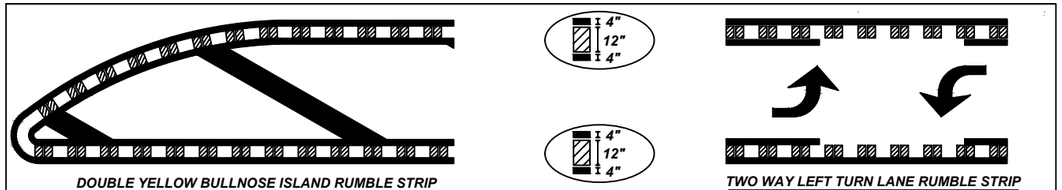


YELLOW SKIP RUMBLE STRIP



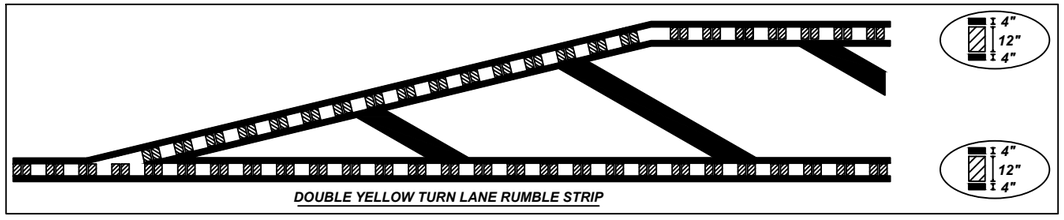
DOUBLE YELLOW TAPERED ISLAND RUMBLE STRIP

SINGLE NO PASS RUMBLE STRIP

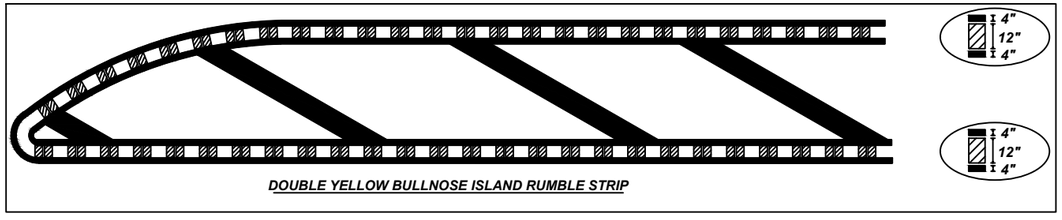


DOUBLE YELLOW BULLNOSE ISLAND RUMBLE STRIP

TWO WAY LEFT TURN LANE RUMBLE STRIP



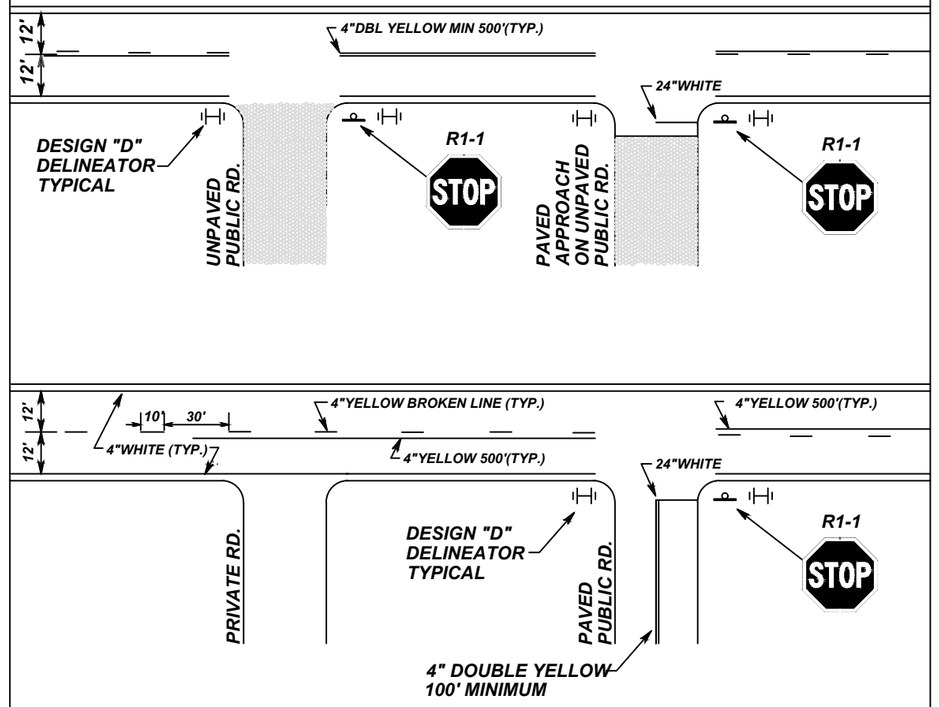
DOUBLE YELLOW TURN LANE RUMBLE STRIP



DOUBLE YELLOW BULLNOSE ISLAND RUMBLE STRIP

TYPICAL RURAL PAVEMENT MARKINGS

NO SCALE



NOTE: *FINAL CENTERLINE CONFIGURATION AND NO PASSING ZONES TO BE DETERMINED BY THE PROJECT MANAGER.*

ALL PAVEMENT MARKINGS TO BE EPOXY UNLESS OTHERWISE SPECIFIED.

NOTES:

1. *SEE CENTERLINE RUMBLE STRIPS DTL. DWG. NO. 411-05 FOR ADDITIONAL INFORMATION.*
2. *ALL PAVEMENT MARKINGS ARE TO CONFORM TO THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND "STANDARD HIGHWAY SIGNS" PUBLICATIONS, FROM THE FEDERAL HIGHWAY ADMINISTRATION.*
3. *SEE CENTERLINE PAVEMENT MARKINGS FOR RURAL HIGHWAYS MEMO DATED JUNE 18, 2019 FOR APPLICATION METHODOLOGY*
4. *DASHED LINES WILL HAVE A 10:30 SKIP IN RURAL LOCATIONS, AND A 9:15 SKIP IN URBAN LOCATIONS*

SHEET NO.
S12

SIGNING DETAILS

PROJECT NAME: MOSBY - WEST
COUNTY: MUSSELSHELL AND GARFIELD COUNTIES
PROJECT ID: NH 57 - 4(18)145
UPN: 10071000

DESIGNED BY	Z. KIRKEMO	05/2025
REVIEWED BY	S. WATSON	05/2025
CHECKED BY	N. STYREN	05/2025

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MONTANA Department of Transportation

SIGNING PLANS

12/30/2025 8:34 AM

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ASSOCIATED PROJECT AGREEMENT NUMBERS	
P.E.	NH 57-4(17)145

MONTANA DEPARTMENT OF TRANSPORTATION

BRIDGE PLANS AND QUANTITIES

FEDERAL AID PROJECT NH 57-4(18)145

MOSBY - WEST

PETROLEUM COUNTY

BRIDGE IDENTIFICATION	
MDT STR ID	NBI NUMBER
06007	P00057145+03141
06008	P00057158+03721

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	20931	LIST OF DRAWINGS AND ESTIMATED BRIDGE PLAN QUANTITIES
B2	20932	GENERAL NOTES AND BRIDGE DECK REPAIR DETAIL
B3	20933	CONCRETE BARRIER END REVISION
B4	20934	CONCRETE BARRIER END REVISION DETAILS
B5	20935	EXPANSION JOINTS BOX ELDER CREEK
B6	20936	EXPANSION JOINT DETAILS BOX ELDER CREEK
B7	20937	REVISE BRIDGE RAIL - THRIE BEAM
B8	20938	REVISE BRIDGE RAIL - THRIE BEAM DETAILS
B9	20939	THRIE BEAM RAIL POST SPACING DIAGRAM
B10	20940	EXPANSION JOINT MUSSELSHELL RIVER

ESTIMATED BRIDGE PLAN QUANTITIES

MDT STR ID	FEATURE INTERSECTED	GENERAL LAYOUT DRAWING NUMBER	REMOVE GUARD ANGLE (LN.FT.)	REVISE JOINT (LN.FT.)	***BRIDGE DECK CRACK SEAL (YD^2)	JOINT SEALS - POLYURETHANE (LN.FT.)	REVISE BRIDGE RAIL - THRIE BEAM (LN.FT.)	*CLASS A BRIDGE DECK REPAIR (YD^2)	**CLASS B BRIDGE DECK REPAIR (YD^2)	REVISE CONCRETE BARRIER RAIL END - BR (EACH)
06007	BOX ELDER CREEK	3305	56.0	102.0	576.3					4.0
06008	MUSSELSHELL RIVER	10815		36.2	1397.7	72.4	750.3			
PROJECT TOTAL				138.2	1974.0	72.4	750.3	5.0	5.0	4.0

* NOTE: Bridge deck repair areas were not measured for this project. The Project Manager will identify the deck repair areas.

** NOTE: Specific Class B deck repair areas are not identified in the contract. Class B deck repair quantities are provided as a contingency. The Project Manager will identify any Class B deck repair areas if they are needed.

*** NOTE: Bridge deck crack seal quantities do not include approach slabs, if present.

BRIDGE WORK SUMMARY

MDT. I.D. STRUCTURE NUMBER	NBI STRUCTURE NUMBER	REMOVE GUARD ANGLE	REVISE JOINT TO POLYURETHANE JOINT SEAL	REVISE JOINT TO PRECOMPRESSED JOINT SEAL	REVISE JOINT TO EXPANSION JOINT STRIP SEAL	BRIDGE DECK CRACK SEAL	POLYURETHANE JOINT SEALS AT APPROACH SLABS	REVISE BRIDGE RAIL - THRIE BEAM	CLASS A BRIDGE DECK REPAIR	CLASS B BRIDGE DECK REPAIR	REVISE CONCRETE BARRIER RAIL END
06007	P00057145+03141	✔	✔	✔		✔			✔	✔	✔
06008	P00057158+03721				✔	✔	✔	✔	✔	✔	

SHEET NO.
B1

LIST OF DRAWINGS AND ESTIMATED BRIDGE PLAN QUANTITIES

REVISED	REVISED	REVISED	REVISED	CHECKED	DRAWN	DESIGNED
				S.J.K.	J.D.C.	J.D.C.
				06-03-2025	04-08-2025	04-08-2025

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MONTANA Department of Transportation
BRIDGE BUREAU

UPN NUMBER
10071000

DRAWING NO.
20931

Docusign Envelope ID: BAAA8AB0-DBE7-484A-81E0-57CAB5588F81

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GENERAL NOTES

WORK SITE VERIFICATION:

- Plans were prepared from original drawings and as-built drawings. Survey information was not collected for this project and existing structure dimensions may vary from those shown on the drawings. Field verify dimensions before ordering materials. Notify the Project Manager and provide recommended plan revisions if the existing structure does not represent what is shown on the plans.

- 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	2⅜" (Existing)
Bottom of Abutment Caps	3"
Concrete Barriers and Curbs	1½"

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:
  #4E = 28"
  #5E = 32"

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.

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.

MATERIALS:

- Standard Specifications, Division 700 - Materials controls unless specified otherwise.

- Wide Flange Beams and Plates: AASHTO M 270, Grade 50

- Anchor Bolts: ASTM A 449, Type 1

- Heavy Hex Nuts: ASTM A563, Grade DH.

- Fiber reinforced pad: Furnish in accordance with Section 711.16 of Standard Specifications.

- Thrie beam bridge rail: AASHTO M 180, Type 1, Class B

- Pipe sleeves: ASTM A53, Grade B

- Hex Nut: ASTM A563, Grade A / Flat Washer: ASTM F844.

SURFACE FINISHES:

- Galvanize all bolts, nuts, washers, and pipe sleeves in accordance with ASTM F2329.

- Rail posts, structural tubing, and plates must be either painted in accordance with the Standard Specifications or Galvanized per AASHTO M 111. Remove burrs and high spots from around all holes before applying the surface finish.

ERECTION:

- Set rail posts perpendicular to top of curb and parallel to roadway grade. Hold anchor bolts assemblies in position as shown on Sheet B11 while pouring curb to obtain correct alignment. Utilize vertical slots in rail posts to adjust and fit to roadway grade.

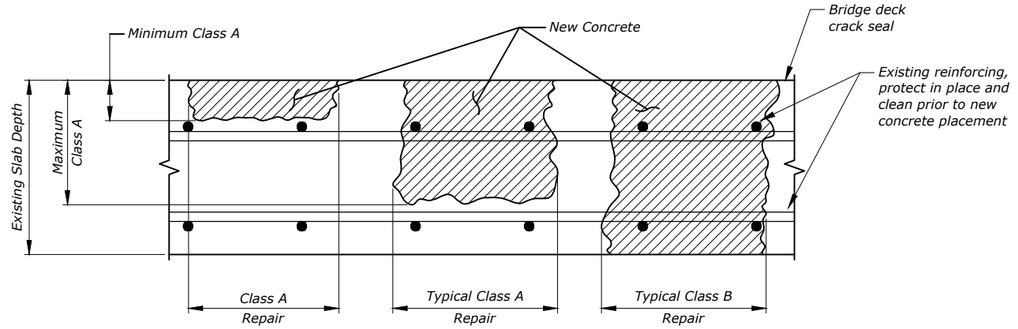
BRIDGE RAIL FABRICATION & CONSTRUCTION:

- Shop drawing approval from the Department of Transportation must be received before beginning fabrication.

- This bridge rail is considered to be an ancillary item as it pertains to AASHTO/AWS D1.5, subsection 1.3.7.

- Remove existing bridge rails, rail posts, and hardware as shown.

- Place a reflector on the rail posts at the ends of the bridge. Place reflectors at a spacing not to exceed 25 feet between the bridge ends. Mount reflectors with the reflectorized face towards oncoming traffic. Pre-drill the rail post webs for reflector mounting bolts before surface finish application (See section 606 of the Detail Drawings for reflector details).



BRIDGE DECK REPAIR
No Scale

SHEET NO.
B2

GENERAL NOTES AND BRIDGE DECK REPAIR DETAIL

SCALE: NO SCALE

PROJECT NAME
MOSBY - WEST

MDT STRUCTURE ID
06007 AND 06008

FEDERAL AID PROJECT
NH 57-4(18)145

COUNTY
PETROLEUM

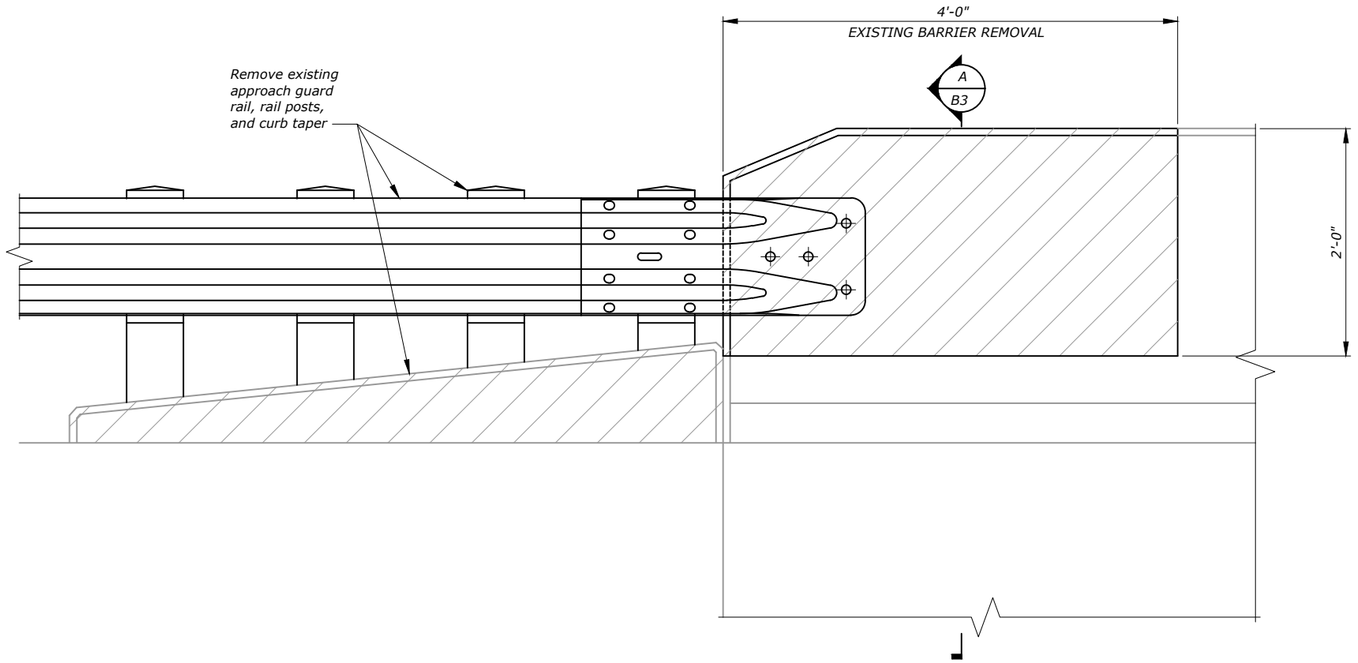
REVISED	REVISED	REVISED	REVISED	CHECKED	DRAWN	DESIGNED	10071000BRREH003.dwg \ SUN001	
				S.J.K.	A.D.C.	A.D.C.	16-03-2025	04-08-2025	24-08-2025

MONTANA Department of Transportation
BRIDGE BUREAU
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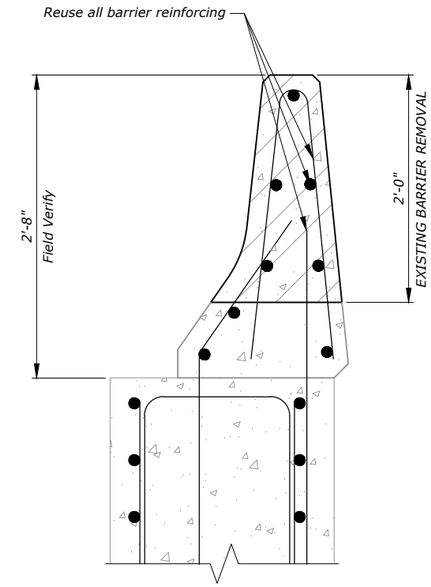
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DRAWING NO.
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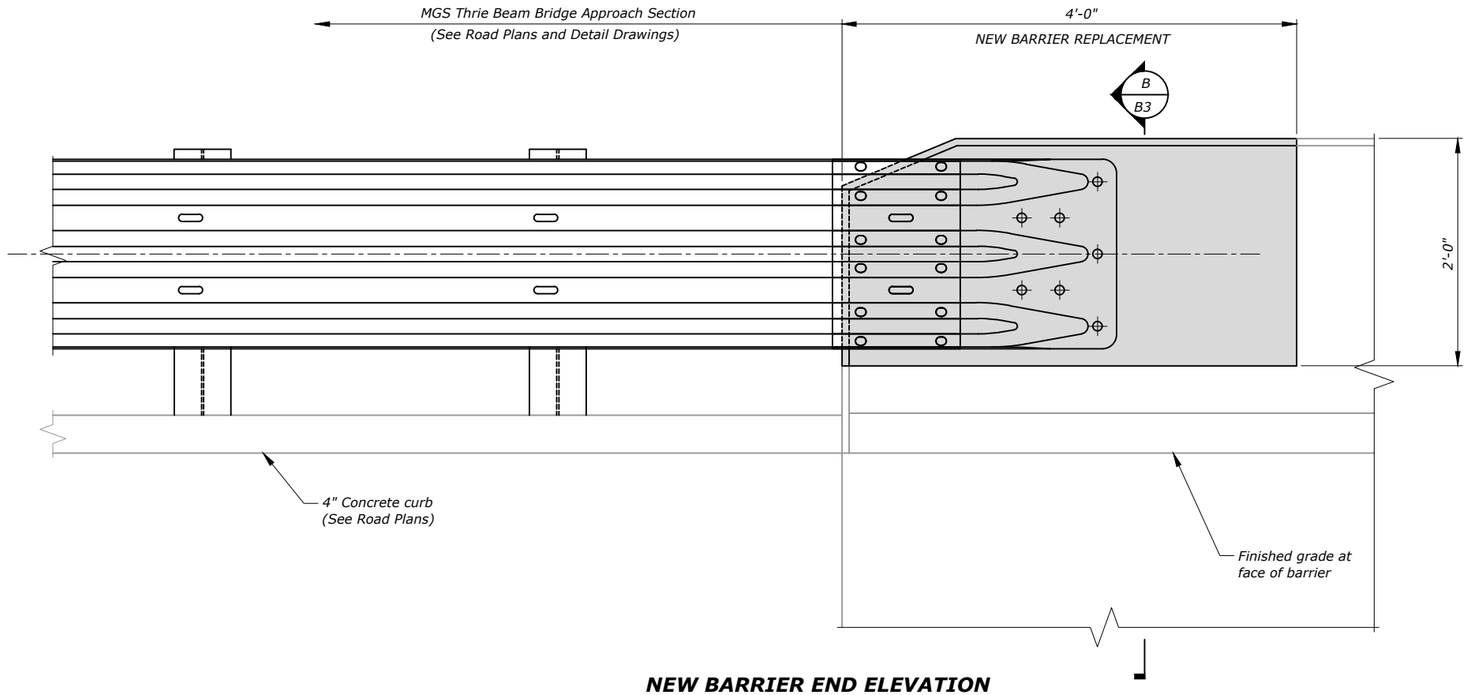
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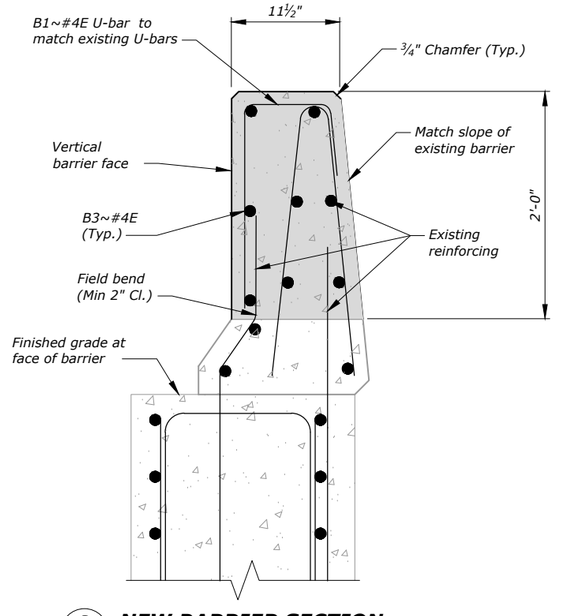
EXISTING BARRIER END ELEVATION



A B3 **EXISTING BARRIER SECTION**



NEW BARRIER END ELEVATION



B B3 **NEW BARRIER SECTION**

SHEET NO. B3

CONCRETE BARRIER END REVISION

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

PROJECT NAME **MOSBY - WEST**

MDT STRUCTURE ID **06007**

FEDERAL AID PROJECT **NH 57-4(18)145**

COUNTY **PETROLEUM**

REVISED								
REVISED								
REVISED								
REVISED								
CHECKED	S.J.K.	16-03-2025						
DRAWN	J.D.C.	04-08-2025						
DESIGNED	J.D.C.	04-08-2025						

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MONTANA Department of Transportation — BRIDGE BUREAU

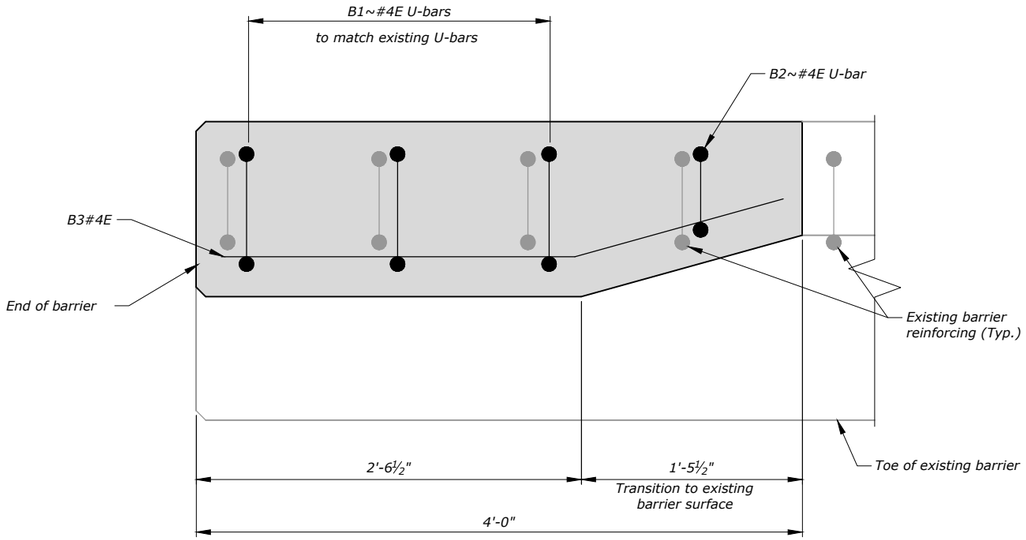
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UPN NUMBER 10071000

DRAWING NO. 20933

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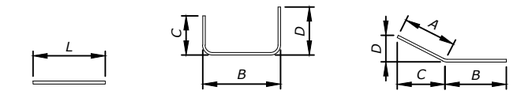


BARRIER REINFORCING PLAN VIEW

BILL OF REINFORCING STEEL

(FOR INFORMATION PURPOSES ONLY)
(ALL DIMENSIONS ARE OUT TO OUT)

(FOR ONE LOCATION ONLY)

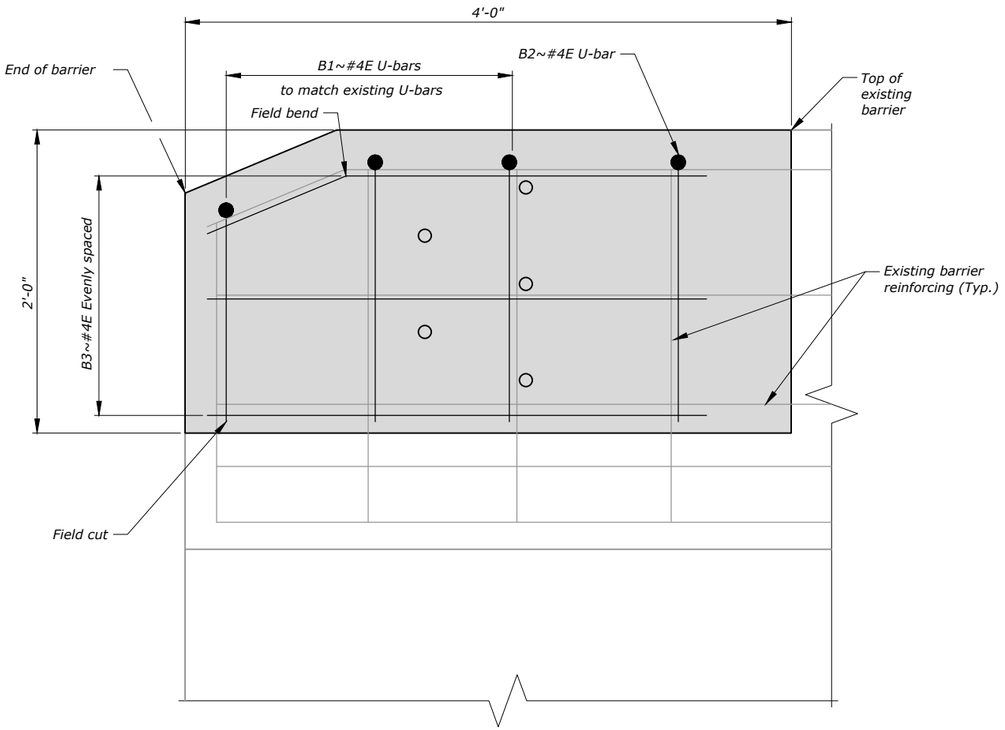


TYPE STR TYPE 17 TYPE 28

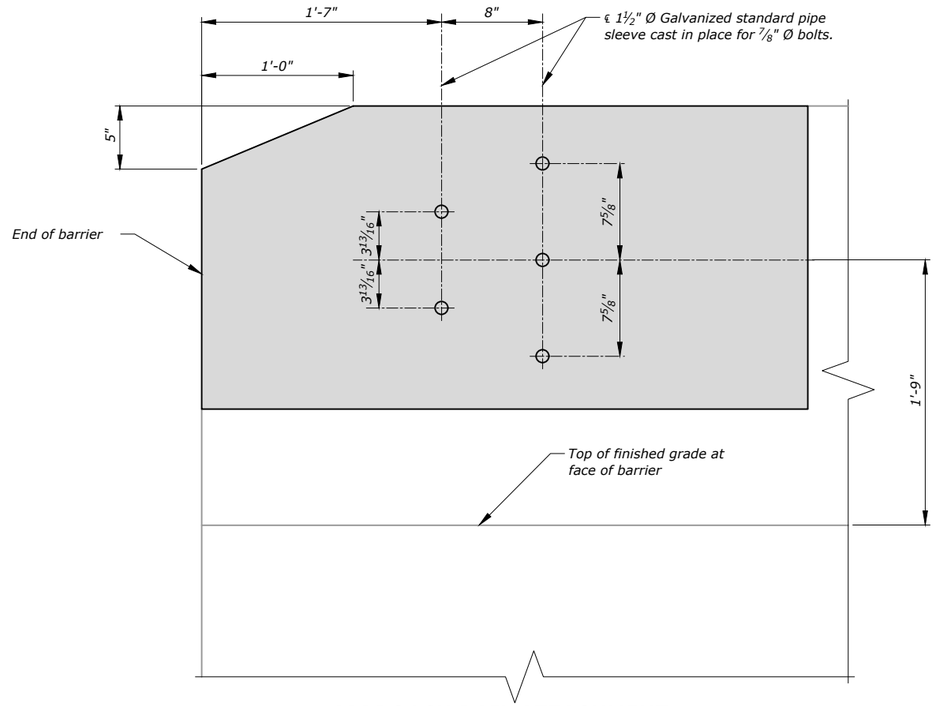
Mark	Size	No.	Type	Length	A	B	C	D	E	G	N
PIERS											
S1	#5E	6	STR	28'-0"							
BARRIER ENDS											
B1	#4E	3	17	3'-2"		0'-9"	0'-7½"	1'-9½"			
B2	#4E	1	17	3'-0"		0'-7"	0'-7½"	1'-9½"			
B3	#4E	3	28	3'-9"	1'-5"	2'-4"	1'-4 ½"	0'-4 ½"			

SHEET NOTES:

1. Barrier reinforcing shown is typical for both bridge ends, left side and right side.



BARRIER REINFORCING ELEVATION VIEW



APPROACH RAIL ATTACHMENT ELEVATION VIEW

SHEET NO. B4

CONCRETE BARRIER END REVISION DETAILS

SCALE: 1" = 1'-0"

PROJECT NAME **MOSBY - WEST**

MDT STRUCTURE ID **06007**

FEDERAL AID PROJECT **NH 57-4(18)145**

COUNTY **PETROLEUM**

REVISED				CHECKED	S.J.K.	06-03-2025
REVISED				DRAWN	J.D.C.	04-08-2025
REVISED				DESIGNED	J.D.C.	04-08-2025

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MONTANA Department of Transportation

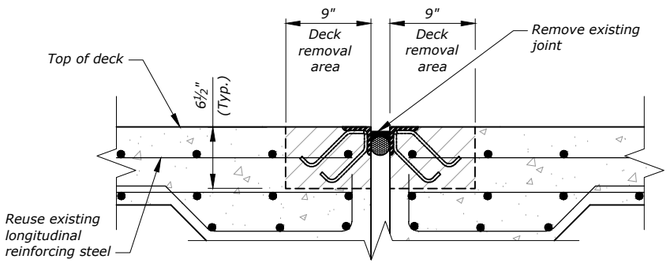
BRIDGE BUREAU

UPN NUMBER 10071000

DRAWING NO. 20934

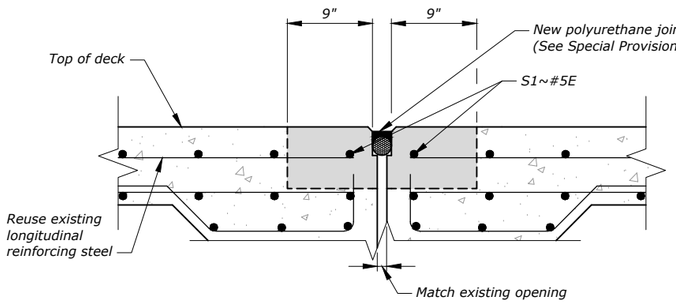
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EXISTING EXPANSION JOINT REMOVAL

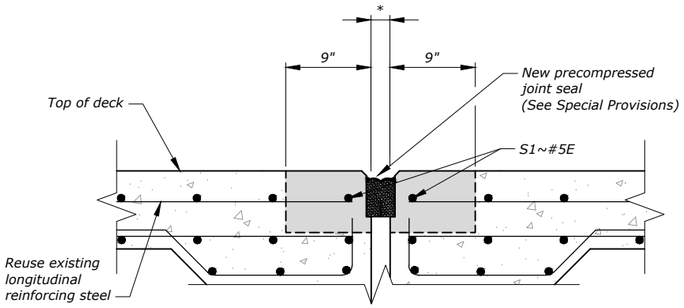
Piers No. 2, 3, and 4



NEW POLYURETHANE JOINT SEAL

Pier No. 3

* NOTE: See Table of Expansion Gaps this sheet.



NEW PRECOMPRESSED JOINT SEAL

Piers No. 2 and 4

NOTES:
Include all costs associated with removing existing parts, concrete and cleaning exposed reinforcing steel in the unit bid price for Revise Joint. Include all costs associated with furnishing, placing new concrete and reinforcing steel in the unit bid price for Revise Joint.

Include all cost associated with furnishing and installing new expansion joint in the unit price bid for Revise Joint.

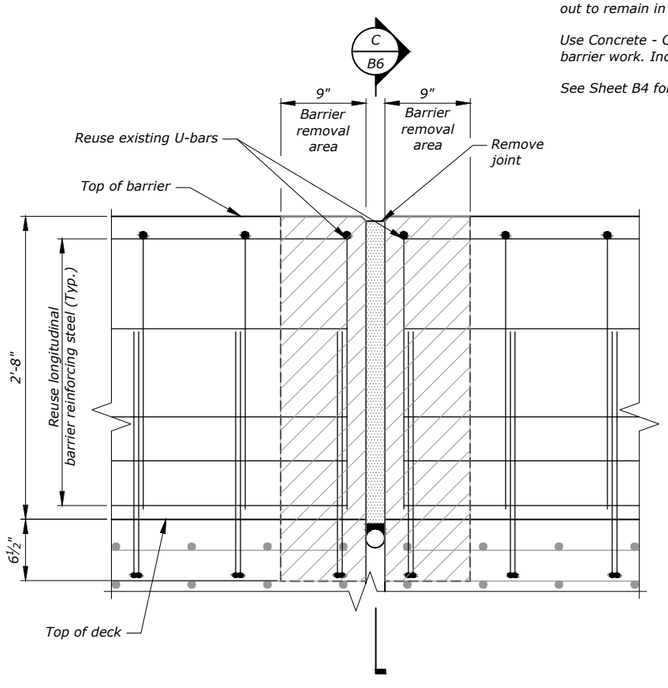
Replace existing reinforcing steel damaged during construction that is called out to remain in place at no additional cost to the State.

Use Concrete - Class Structure Low Slump for new expansion joint and barrier work. Include the cost in the unit price bid for Revise Joint.

See Sheet B4 for Bill of Reinforcing steel.

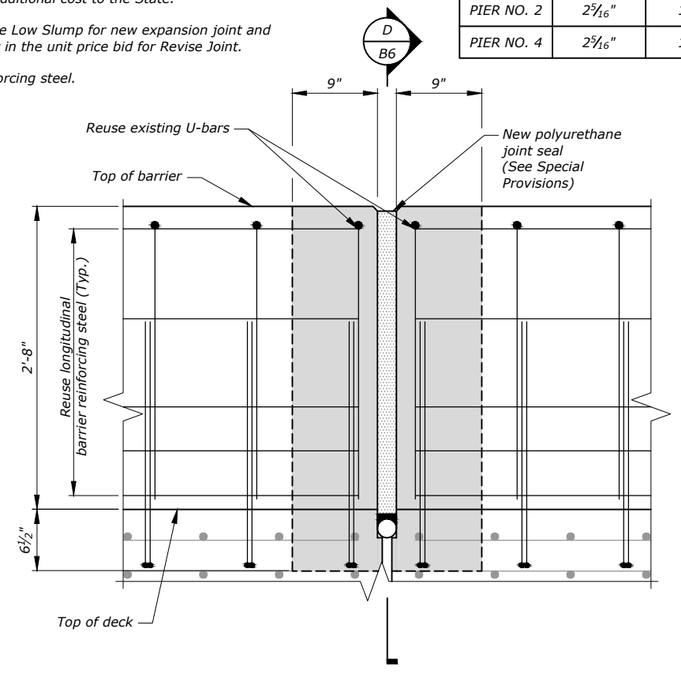
TABLE OF EXPANSION JOINT GAPS

LOCATION	TEMPERATURE (°F)			ADJUSTMENT FOR 1°F TEMPERATURE CHANGE (in./°F)	TOTAL MOVEMENT
	JOINT OPENING (-40)	JOINT OPENING (60)	JOINT OPENING (120)		
PIER NO. 2	2 5/16"	1 5/8"	1 1/4"	0.00684	1 1/16"
PIER NO. 4	2 5/16"	1 5/8"	1 1/4"	0.00684	1 1/16"



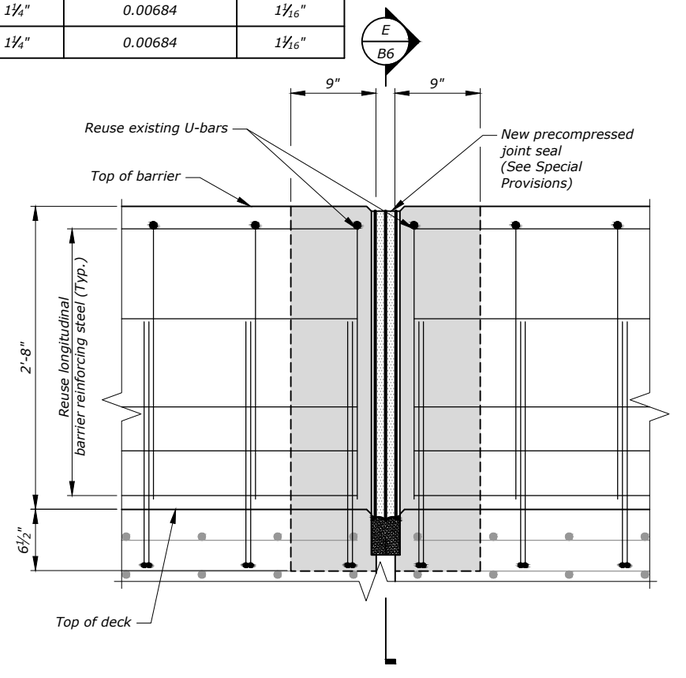
EXISTING EXPANSION JOINT REMOVAL IN BARRIER

Piers No. 2, 3, and 4



NEW POLYURETHANE JOINT SEAL IN BARRIER

Pier No. 3



NEW PRECOMPRESSED JOINT SEAL IN BARRIER

Piers No. 2 and 4

SHEET NO. B5

EXPANSION JOINTS
BOX ELDER CREEK

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

PROJECT NAME
MOSBY - WEST

MDT STRUCTURE ID
06007

FEDERAL AID PROJECT
NH 57-4(18)145

COUNTY
PETROLEUM

REVISED						06-03-2025	
REVISED						04-08-2025	
REVISED						04-08-2025	
REVISED					CHECKED	S.J.K.	
					DRAWN	J.D.C.	
					DESIGNED	J.D.C.	

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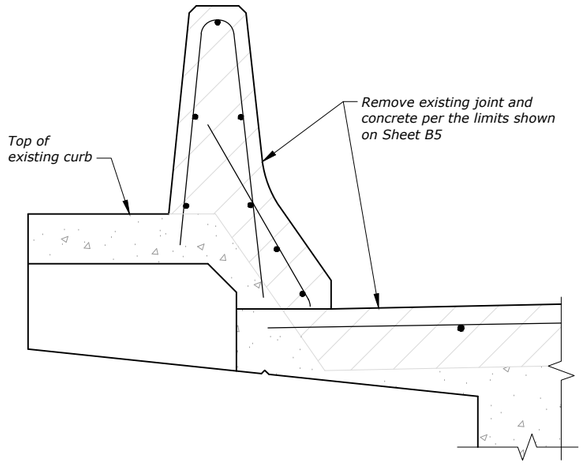
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UPN NUMBER
10071000

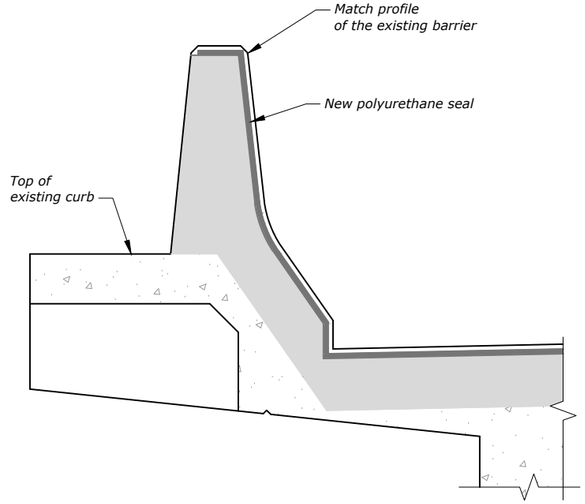
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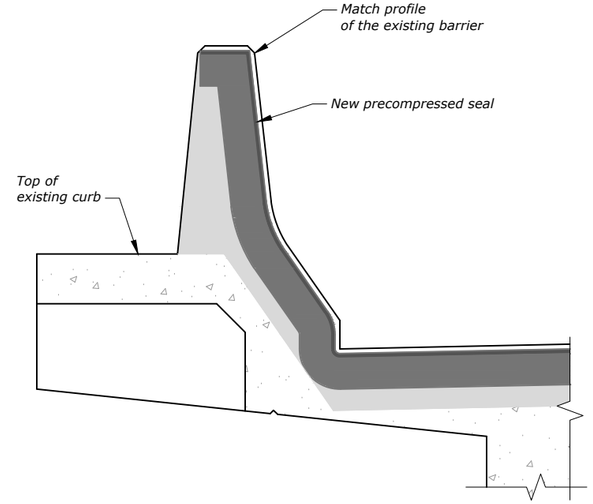
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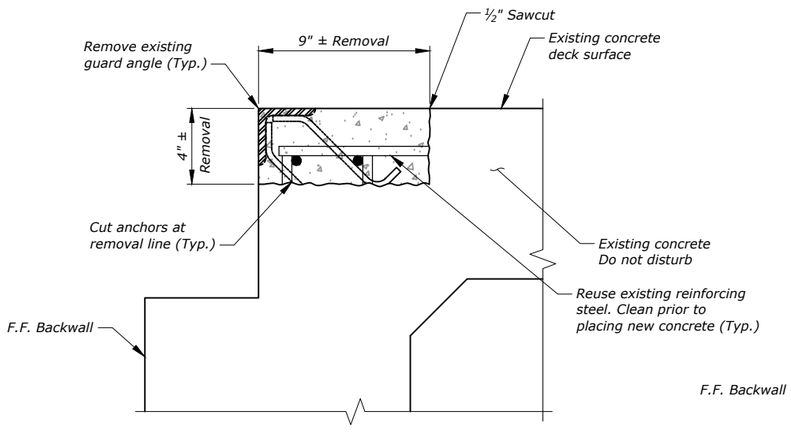
C / B5 **EXISTING EXPANSION JOINT REMOVAL**

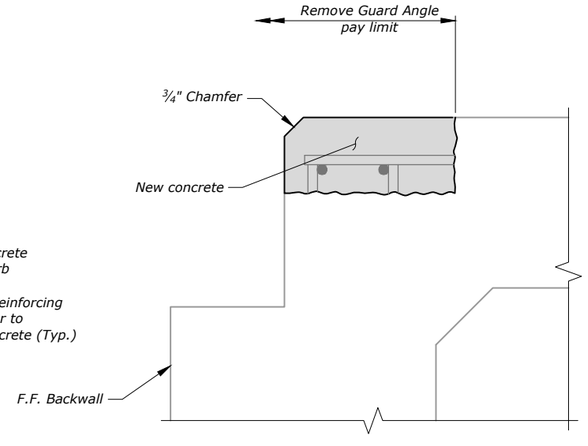


D / B5 **NEW POLYURETHANE JOINT SEAL**



E / B5 **NEW PRECOMPRESSED JOINT SEAL**





GUARD ANGLE REMOVAL DETAIL

Scale: 1½" = 1'-0"
Bent No. 1 and Bent No. 5

NOTES:
If two transverse reinforcing bars are not present within 3" of the top of the slab, place new epoxy coated #4 transverse bars as necessary so there are two bars within the repair area. Ensure new bars have a minimum 1 ½" clear cover.

Include all costs associated with removing the existing guard angle, placing new concrete and reinforcing steel, and removing and replacing any asphalt that is required to complete the work in the unit bid price for Remove Guard Angle.

SHEET NO.
B6

EXPANSION JOINT DETAILS
BOX ELDER CREEK

SCALE: 3/4" = 1'-0" (Except as noted)

PROJECT NAME
MOSBY - WEST

MDT STRUCTURE ID
06007

FEDERAL AID PROJECT
NH 57-4(18)145

COUNTY
PETROLEUM

REVISED			
REVISED			
REVISED			
REVISED			
CHECKED	S.J.K.	06-03-2025	
DRAWN	J.D.C.	04-08-2025	
DESIGNED	J.D.C.	04-08-2025	

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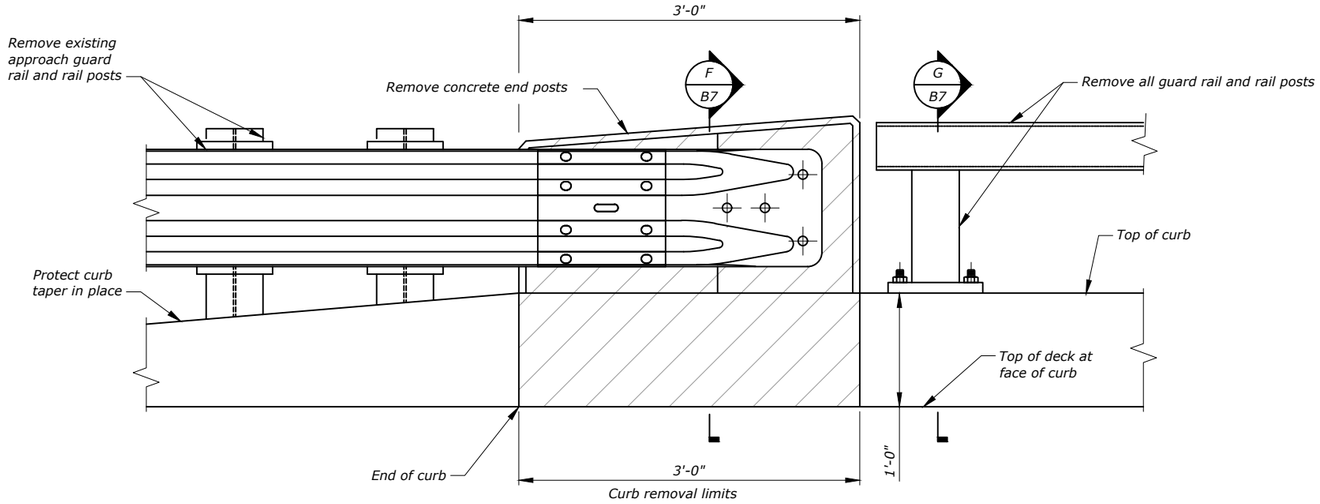
MONTANA Department of Transportation
BRIDGE BUREAU

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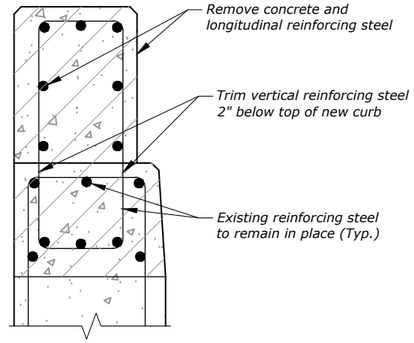
UPN NUMBER
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DRAWING NO.
20936

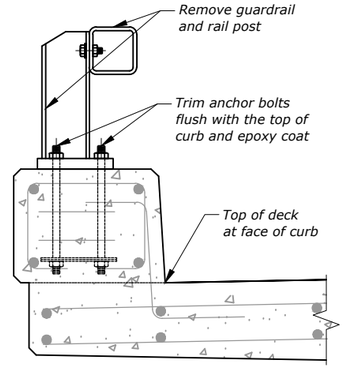
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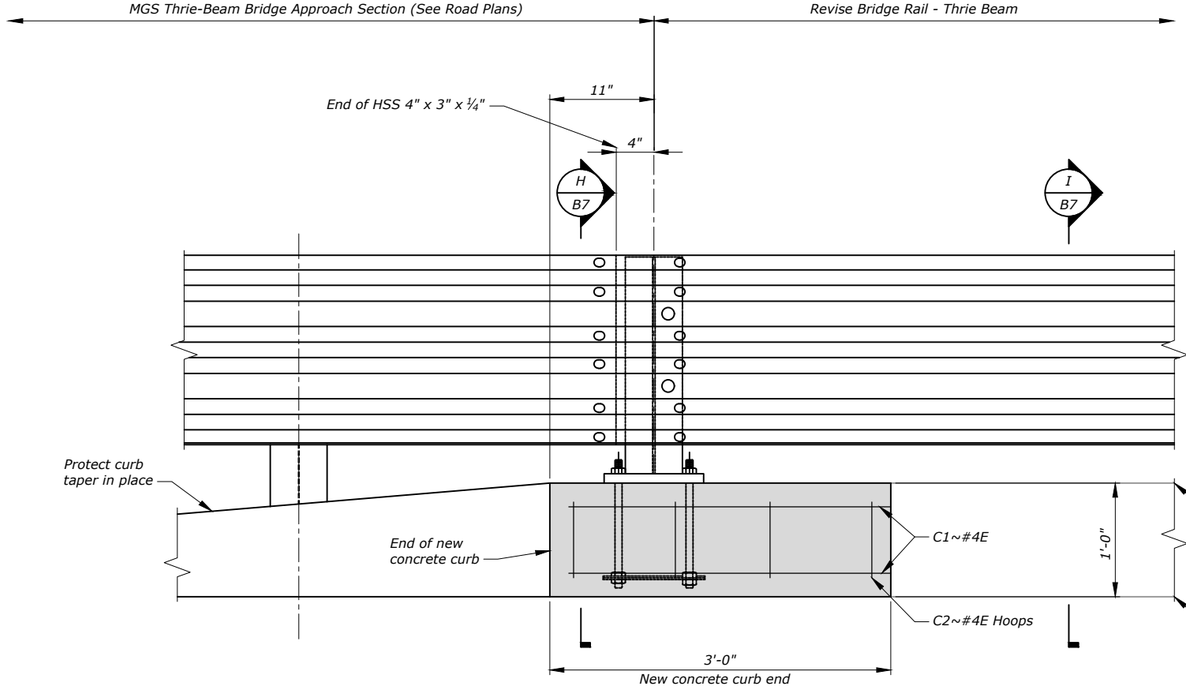
EXISTING PARTIAL ELEVATION



F B7 **EXISTING CONCRETE ENDPOST**



G B7 **EXISTING GUARDRAIL ON CURB**



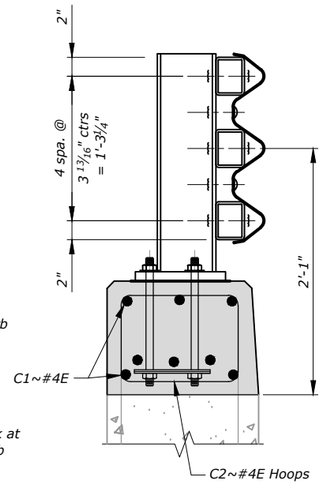
NEW PARTIAL ELEVATION

NOTES:

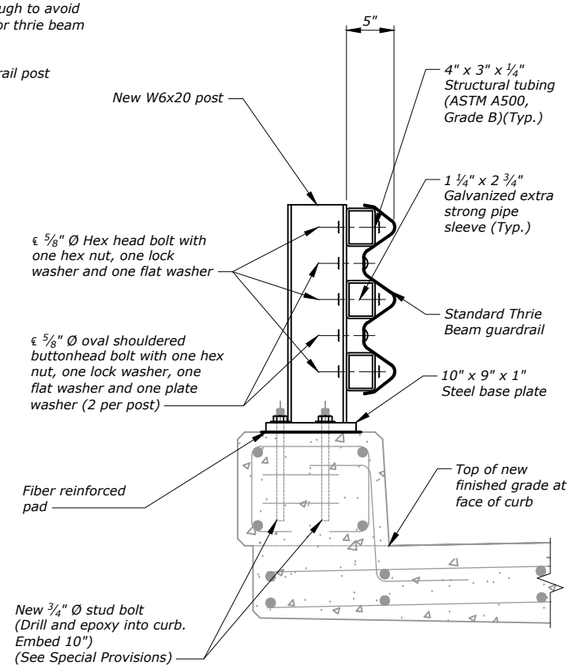
Lap splice all thrie - beam rail in the direction of traffic.

Thicker block outs may be required to install the thrie beam bridge approach rail over the existing approach slab curb. Field verify the required thickness to ensure the posts are set back enough to avoid conflict with the approach slab. See detailed drawings for thrie beam terminal connection.

See Sheet No. B9 for thrie beam bridge rail length and rail post spacing and Bill of Reinforcing steel.



H B7 **NEW RAIL AND CURB SECTION**



I B7 **NEW RAIL AND CURB SECTION**

SHEET NO. B7

REVISE BRIDGE RAIL - THRIE BEAM

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

PROJECT NAME **MOSBY - WEST**

MDT STRUCTURE ID **06008**

FEDERAL AID PROJECT **NH 57-4(18)145**

COUNTY **PETROLEUM**

REVISED			CHECKED	S.J.K.	06-03-2025
REVISED			DRAWN	L.D.C.	04-08-2025
REVISED			DESIGNED	L.D.C.	04-08-2025
REVISED					

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MONTANA Department of Transportation

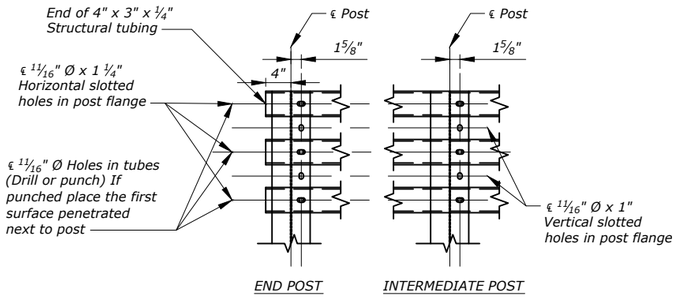
BRIDGE BUREAU

UPN NUMBER 10071000

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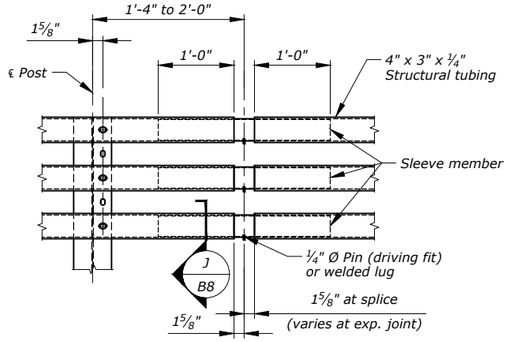
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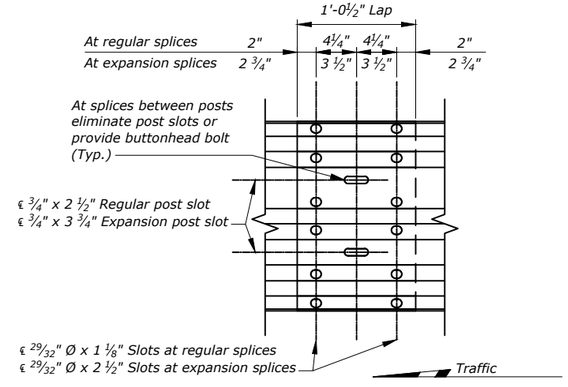
RAIL POST DETAIL

Scale ~ 1/2" = 1'-0"



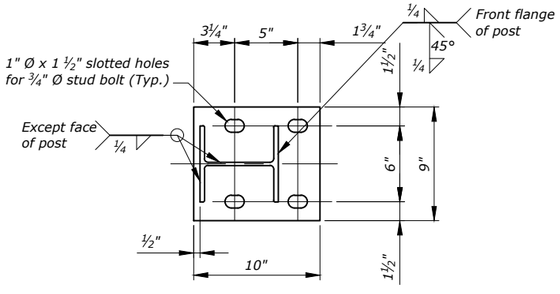
TUBE SPLICE DETAIL

Scale ~ 1/2" = 1'-0"



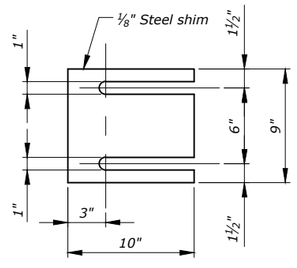
RAIL SPLICE DETAIL

Scale ~ ¾" = 1'-0"



STEEL BASE PLATE DETAIL

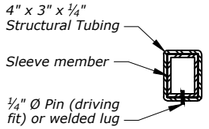
Scale ~ 1" = 1'-0"



RAIL POST SHIM DETAIL

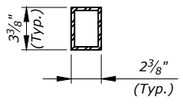
Scale ~ 1" = 1'-0"

NOTE: Furnish shims as necessary to adjust rail to grade. Place shims between fiber reinforced pads. Place shims with slots toward roadway centerline.



J / B8 **TUBE SPLICE SECTION**

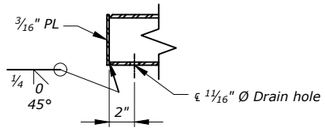
Scale ~ 1" = 1'-0"



SLEEVE FABRICATION OPTIONS

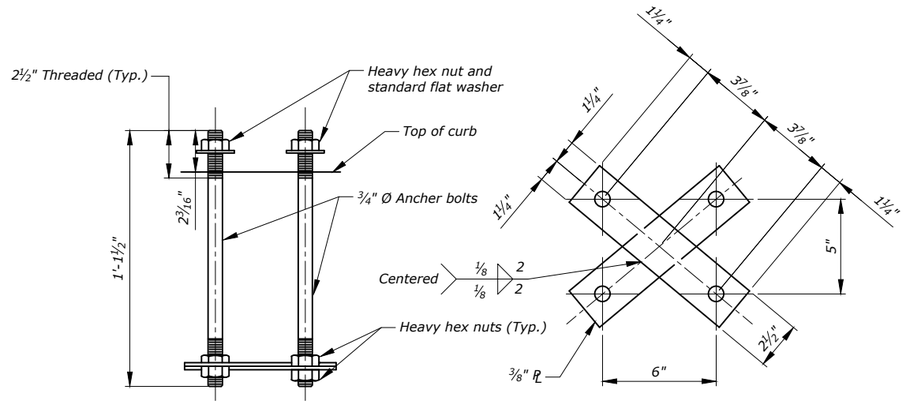
Scale ~ 1" = 1'-0"

NOTE: Fabricate sleeves using channels, angles, plates, or bent plates meeting the dimensions shown. Weld and grind smooth as required. Fabricate sleeves using no more than four welds. Fabricate sleeves with a minimum wall thickness of ¼".



TUBE CAP DETAIL

Scale ~ 1" = 1'-0"



RAIL POST ANCHOR BOLT ASSEMBLY

Scale: 1 1/2" = 1'-0"

SHEET NO. B8

REVISE BRIDGE RAIL - THRIE BEAM DETAILS

SCALE: As Noted

PROJECT NAME **MOSBY - WEST**

MDT STRUCTURE ID **06008**

FEDERAL AID PROJECT **NH 57-4(18)145**

COUNTY **PETROLEUM**

REVISED			
REVISED			
REVISED			
REVISED		CHECKED	S.J.K. 16-03-2025
		DRAWN	J.D.C. 04-08-2025
		DESIGNED	J.D.C. 04-08-2025

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MONTANA Department of Transportation — BRIDGE BUREAU

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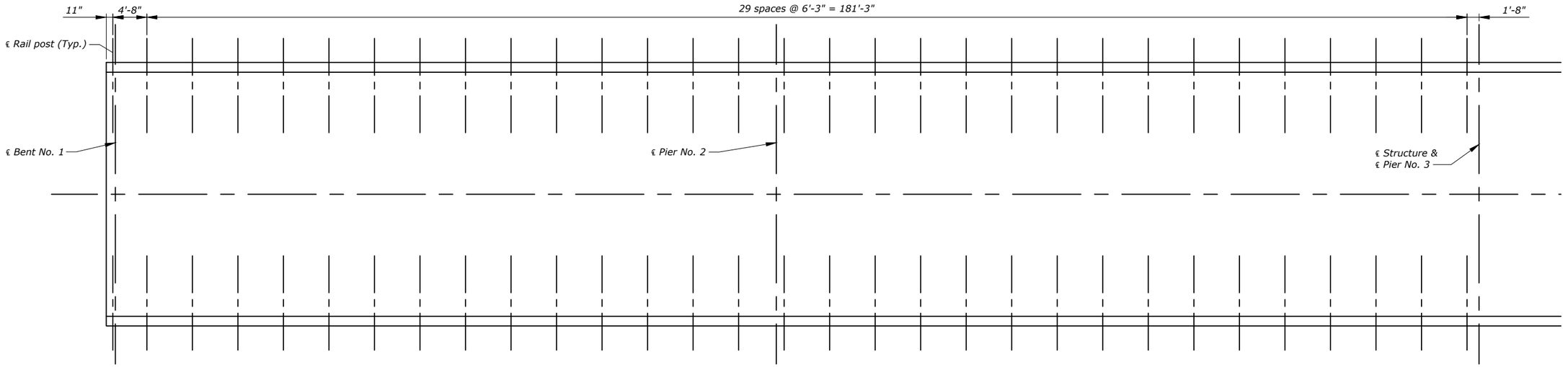
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NOTE: Do not exceed 6'-3" post spacing.

NOTE: Rail post spacing is symmetric about centerline structure.



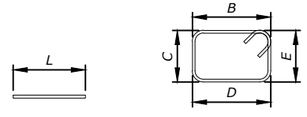
RAIL POST SPACING DETAIL

Scale ~ 1" = 15'-0"

BILL OF REINFORCING STEEL

(FOR INFORMATION PURPOSES ONLY)
(ALL DIMENSIONS ARE OUT TO OUT)

(FOR ONE LOCATION ONLY)



TYPE STR TYPE T1

Mark	Size	No.	Type	Length	A	B	C	D	E	G	N
CURB ENDS											
C1	#4E	8	STR	2'-10"							
C2	#4E	4	T1	3'-6"		1'-0"	0'-9"	1'-0"	0'-9"		
PIER NO. 3											
S1	#5E	4	STR	33'-6"							
J1	#5E	4	STR	33'-6"							
C2	#4E	4	T1	3'-6"		1'-0"	0'-9"	1'-0"	0'-9"		

SHEET NO.
B9

THRIE BEAM RAIL POST
SPACING DIAGRAM

SCALE: 1" = 15'-0"

PROJECT NAME
MOSBY - WEST

MDT STRUCTURE ID
06008

FEDERAL AID PROJECT
NH 57-4(18)145

COUNTY
PETROLEUM

REVISED				CHECKED	S.J.K.	06-03-2025
REVISED				DRAWN	J.D.C.	04-08-2025
REVISED				DESIGNED	J.D.C.	04-08-2025
REVISED				10071000BRREH003.dwg \ REH007		

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BRIDGE BUREAU

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UPN NUMBER
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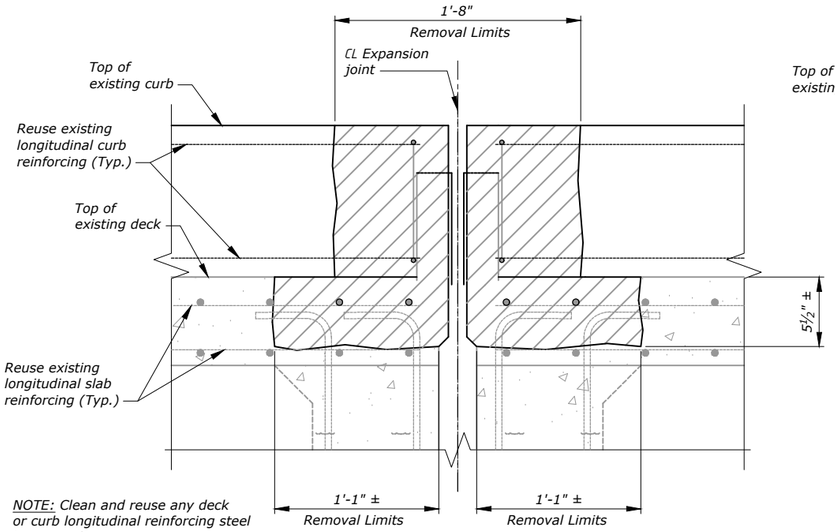
AWARD COPY

NOTES:
Include all costs associated with removing existing parts, concrete and cleaning exposed reinforcing steel in the unit bid price for Revise Joint. Include all costs associated with furnishing, placing new concrete and reinforcing steel in the unit bid price for Revise Joint.

Include all cost associated with furnishing and installing new expansion joint in the unit price bid for Revise Joint.

Replace existing reinforcing steel damaged during construction that is called out to remain in place at no additional cost to the State.

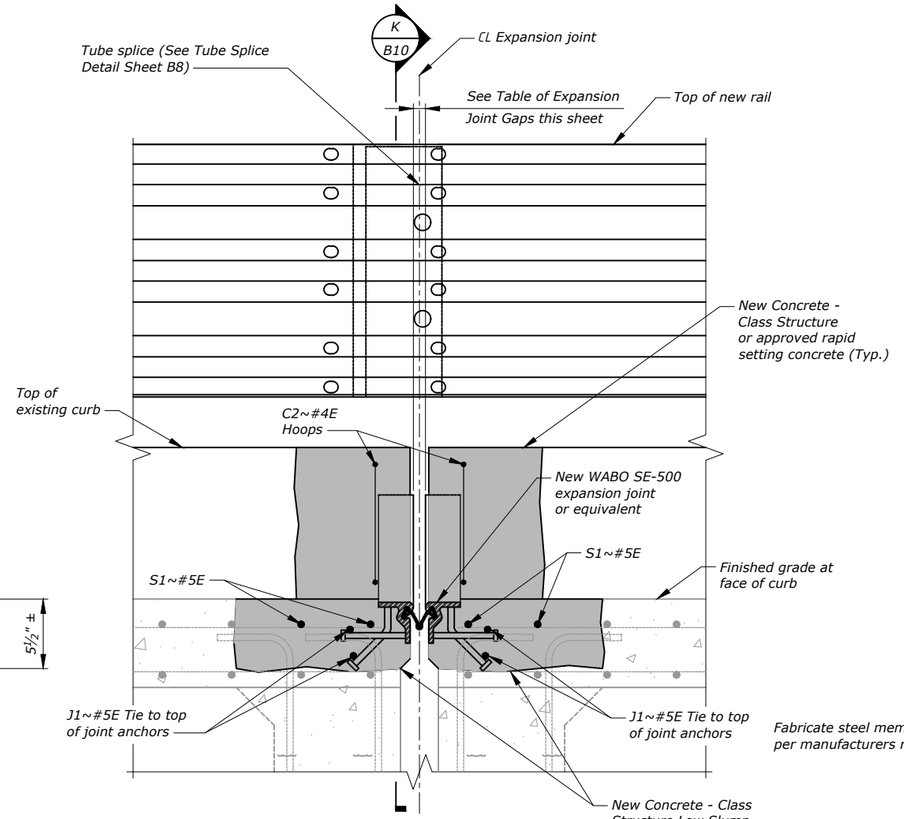
See Sheet B9 for Bill of Reinforcing steel.



NOTE: Clean and reuse any deck or curb longitudinal reinforcing steel in removal area.

EXPANSION JOINT REMOVAL

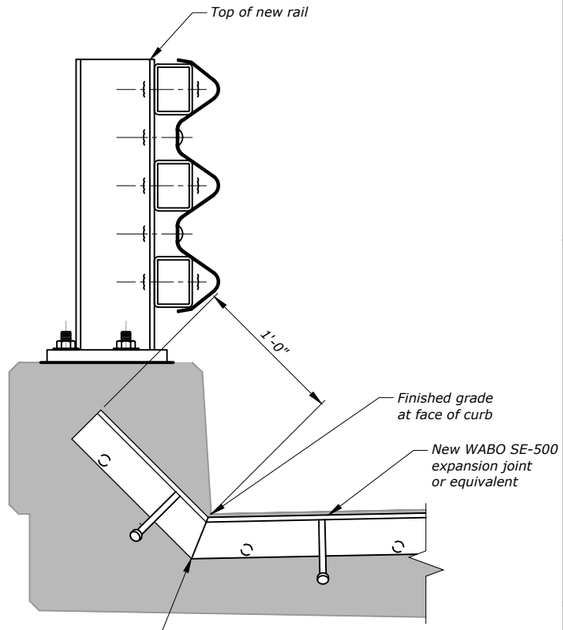
Pier No. 3



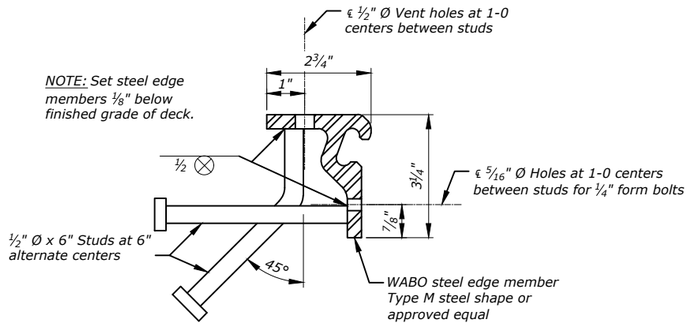
NOTE: Curb reinforcing omitted for clarity.

EXPANSION JOINT REPLACEMENT

Pier No. 3

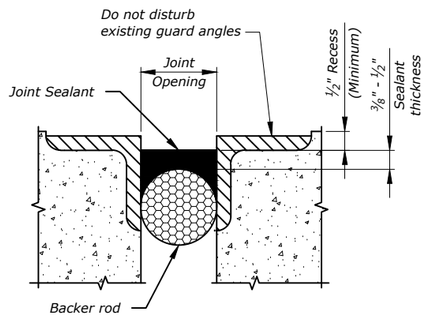


K B10 **EXPANSION JOINT SECTION**



STEEL EDGE MEMBER AND ANCHORAGE SYSTEM

Scale ~ 3" = 1'-0"



JOINT SEALANT DETAIL

No Scale
Bents No. 1 & No. 5

NOTE: Install polyurethane joint sealant according to the Special Provisions and manufacturers recommendations.

NOTE: Include all costs associated with providing and placing new joint seal in the unit price bid for Joint Seals - Polyurethane.

TABLE OF EXPANSION JOINT GAPS

LOCATION	TEMPERATURE (°F)			ADJUSTMENT FOR 1°F TEMPERATURE CHANGE (in./°F)	TOTAL MOVEMENT
	JOINT OPENING (-40)	JOINT OPENING (60)	JOINT OPENING (120)		
PIER NO. 3	4 5/16"	1⅝"	0"	0.026964	4 5/16"

SHEET NO. B10

EXPANSION JOINT MUSSELSHELL RIVER

SCALE: 1" = 1'-0" (Except as noted)

PROJECT NAME **MOSBY - WEST**

MDT STRUCTURE ID **06008**

FEDERAL AID PROJECT **NH 57-4(18)145**

COUNTY **PETROLEUM**

REVISED				CHECKED	S.J.K.	06-03-2025
REVISED				DRAWN	L.D.C.	04-08-2025
REVISED				DESIGNED	L.D.C.	04-08-2025

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