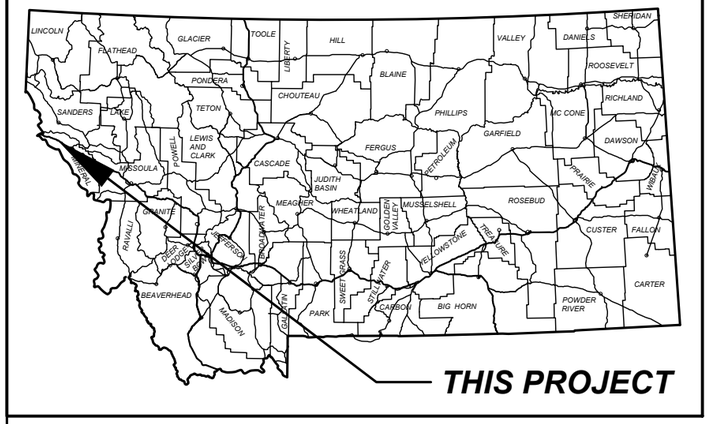
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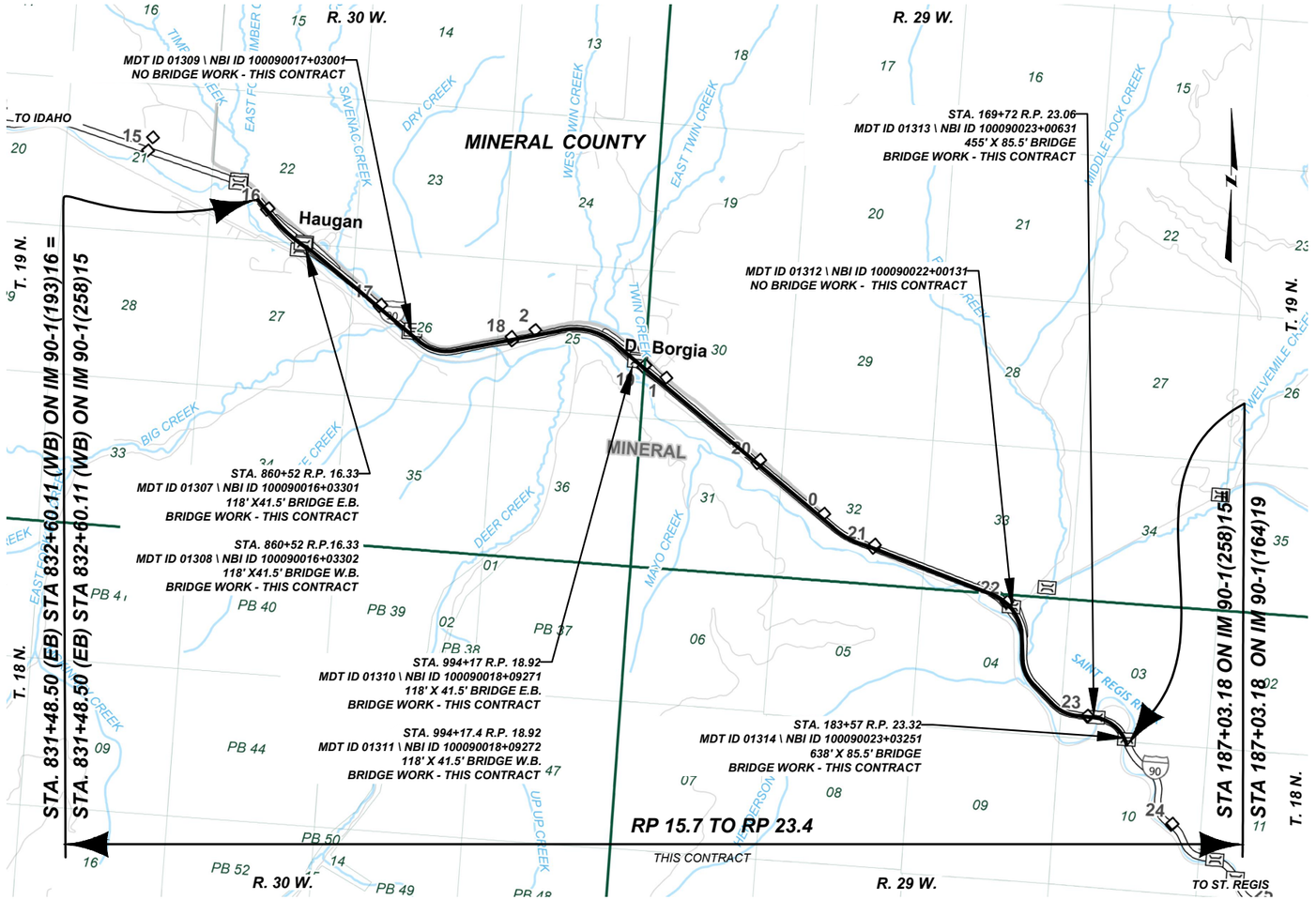
MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT IM 90-1(258)15
DEBORGIA - E & W
COLD MILLING, PLANT MIX, SEAL & COVER
MINERAL COUNTY

LENGTH 7.7 MILES

PROJECT DESIGN DATA			
PRESENT	2025	A.A.D.T. =	7490
LETTING	2026	A.A.D.T. =	7560
DESIGN	2046	A.A.D.T. =	9220
		D.H.V. =	1470
		TRUCKS =	33.5%
		V. =	50 MPH
		18 KIP ESAL'S =	1276 DAILY
		ANNUAL GROWTH RATE =	1.0%

SURFACING SOURCES - CONTRACTOR FURNISHED



MONTANA
DEPARTMENT OF TRANSPORTATION

APPROVED BY:

HIGHWAYS ENGINEER

Signed by: David Holien 4FA8874BB4E5415...

MONTANA DAVID HOLIEN 20186PE LICENSED PROFESSIONAL ENGINEER

9/17/2026
DATE

SHEET NO. 01

TITLE SHEET

PROJECT NAME	DEBORGIA - E & W
COUNTY	MINERAL
PROJECT ID	IM 90-1(258)15
UPN	10683000

DESIGNED BY	R. CATHEY	10/2025
REVIEWED BY	FIRST INITIAL LAST NAME	MM/YYYY
CHECKED BY	J. SOLIDAY	05/2026
	10683000RDTTL001.DWG	

MONTANA Department of Transportation

ROAD PLANS

7/2/2026 11:55 AM

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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
ASPHALT BINDER - GRADE S - 1/2" AGG.	= 6.7% OF PL.MIX BIT.SURF.
HYDRATED LIME	= 1.4% OF PL.MIX BIT.SURF.
ASPHALT BINDER	= 3.0% OF RECYCLED PL.MIX (50% RAP)
HYDRATED LIME	= 1.4% OF RECYCLED 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 (S & C)	= 0.075 GAL. PER SQ.YARD (UNDILUTED)
EMULSIFIED ASPHALT - FOG SEAL (RUMBLE STRIPS)	= 0.10 GAL. PER SQ.YARD (UNDILUTED)
SEAL	= 0.44 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.

WETLANDS

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

SHEET NO. 02

TABLE OF CONTENTS
NOTES

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY: R. CATHEY 11/2025
REVIEWED BY: FIRST INITIAL LAST NAME MM/YYYY
CHECKED BY: J. SOLIDAY 05/2026

MONTANA Department of Transportation

ROAD PLANS

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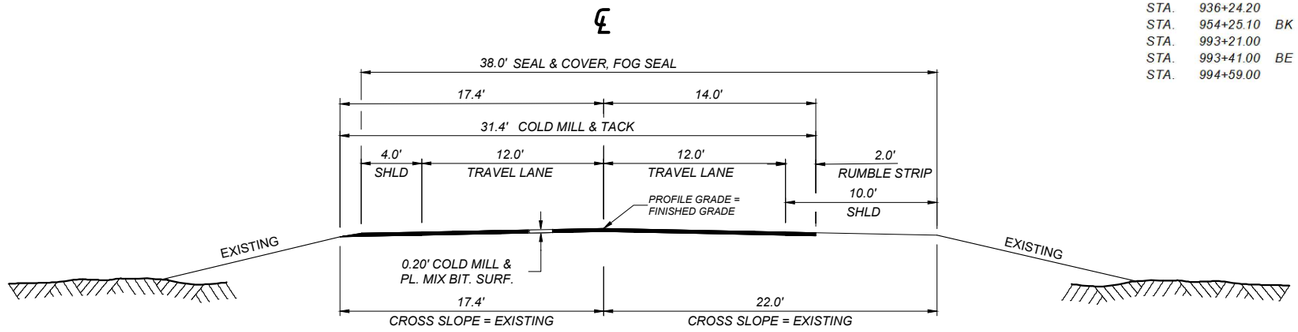
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WESTBOUND

STA.	832+60.11					
STA.	840+32.20	BK	=	840+25.00	AH	EQUATION
			TO	853+62.30		TYP. NO. 1
STA.	853+62.30		TO	854+30.50		TRANS. TYP. NO. 1 TO TYP. NO. 2
STA.	867+16.80					
STA.	888+86.00	BK	=	888+82.80	AH	EQUATION
			TO	905+61.00		TYP. NO. 1
STA.	905+61.00		TO	906+11.00		TRANS. TYP. NO. 1 TO TYP. NO. 2
STA.	907+73.20					
STA.	925+50.00	BK	=	925+15.20	AH	EQUATION
STA.	938+65.80	BK	=	938+72.60	AH	EQUATION
STA.	984+38.70	BK	=	984+37.80	AH	EQUATION
STA.	993+55.80		TO	993+75.80		BRIDGE APPR. SECTION
STA.	993+75.80	BE	TO	994+93.80	BE	BRIDGE
STA.	994+93.80		TO	995+19.58		BRIDGE APPR. SECTION
			TO	995+19.58		TYP. NO. 1, THEN TYP. NO. 3

TYPICAL SECTION NO. 1

EASTBOUND
(REVERSE FOR WESTBOUND)



EASTBOUND

STA.	835+27.50					
STA.	839+06.40	BK	=	840+25.00	AH	EQUATION
			TO	852+95.20		TYP. NO. 1
STA.	852+95.20		TO	853+45.70		TRANS. TYP. NO. 1 TO TYP. NO. 2
STA.	864+97.50					
STA.	888+86.00	BK	=	888+82.80	AH	EQUATION
			TO	904+50.30		TYP. NO. 1
STA.	904+50.30		TO	905+00.30		TRANS. TYP. NO. 1 TO TYP. NO. 2
STA.	936+24.20					
STA.	954+25.10	BK	=	955+27.00	AH	EQUATION
STA.	993+21.00		TO	993+41.00		BRIDGE APPR. SECTION
STA.	993+41.00	BE	TO	994+59.00	BE	BRIDGE
STA.	994+59.00		TO	994+84.00		BRIDGE APPR. SECTION
			TO	994+84.00		TYP. NO. 1, THEN TYP. NO. 3

QUANTITIES

UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL				COLD MILLING
	COVER	PLANT MIX		ASPHALT BINDER	SEAL	EMULSIFIED ASPHALT		
						TACK *	FOG SEAL (OVER SEAL & COVER)	
AREA square feet		6.14	square yards PER STATION		422	349	422	349
cubic yards PER STATION		22.7	tons PER STATION	2.93	0.79			
tons PER STATION		43.8	gallons PER STATION			17	32	
square yards PER STATION	422							

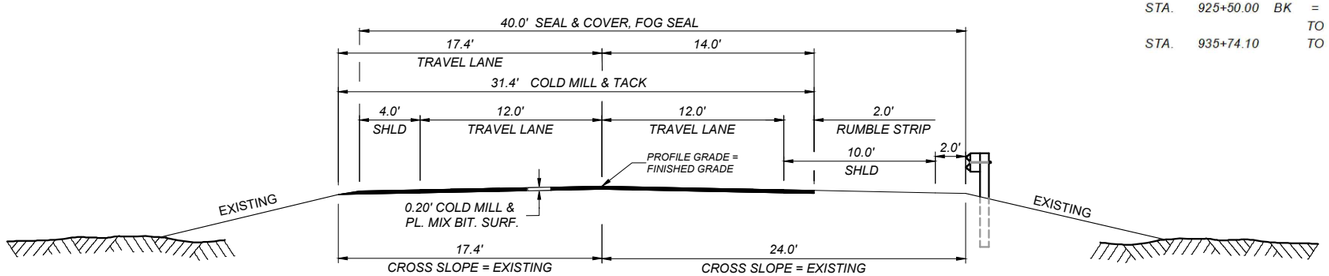
*BASED ON 1 APPLICATION

WESTBOUND

STA.	854+30.50					
STA.	859+73.00		TO	859+93.00		BRIDGE APPR. SECTION
STA.	859+93.00	BE	TO	861+11.00	BE	BRIDGE
STA.	861+11.00	BK	=	857+12.80	AH	EQUATION
STA.	857+12.80		TO	857+32.80		BRIDGE APPR. SECTION
			TO	866+49.30		TYP. NO. 2
STA.	866+49.30		TO	867+16.80		TRANS. TYP. 2 TO TYP. NO. 1
STA.	906+11.00		TO	907+23.20		TYP. NO. 2
STA.	907+23.20		TO	907+73.20		TRANS. TYP. 2 TO TYP. NO. 1

TYPICAL SECTION NO. 2

EASTBOUND
(REVERSE FOR WESTBOUND)



EASTBOUND

STA.	831+48.50		TO	834+76.80		TYP. NO. 2
STA.	834+76.80		TO	835+27.50		TRANS. TYP. NO. 2 TO TYP. NO. 1
STA.	853+45.70					
STA.	859+73.00		TO	859+93.00		BRIDGE APPR. SECTION
STA.	859+93.00	BE	TO	861+11.00	BE	BRIDGE
STA.	861+11.00	BK	=	857+12.80	AH	EQUATION
STA.	857+12.80		TO	857+32.80		BRIDGE APPR. SECTION
			TO	864+30.00		TYP. NO. 2
STA.	864+30.00		TO	864+97.50		TRANS. TYP. NO. 2 TO TYP. NO. 1
STA.	905+00.30					
STA.	925+50.00	BK	=	925+15.20	AH	EQUATION
			TO	935+74.10		TYP. NO. 2
STA.	935+74.10		TO	936+24.20		TRANS. TYP. NO. 2 TO TYP. NO. 1

QUANTITIES

UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL				COLD MILLING
	COVER	PLANT MIX		ASPHALT BINDER	SEAL	EMULSIFIED ASPHALT		
						TACK *	FOG SEAL (OVER SEAL & COVER)	
AREA square feet		6.14	square yards PER STATION		444	349	444	349
cubic yards PER STATION		22.7	tons PER STATION	2.93	0.83			
tons PER STATION		43.8	gallons PER STATION			17	33	
square yards PER STATION	444							

*BASED ON 1 APPLICATION

SHEET NO.
03

TYPICAL SECTIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY: R. CATHEY 11/2025
REVIEWED BY: MM/YYYY
FIRST INITIAL LAST NAME
CHECKED BY: J. SOLIDAY 05/2026
10683000RDTYP001.DWG

MONTANA
Department of Transportation

ROAD PLANS

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WESTBOUND

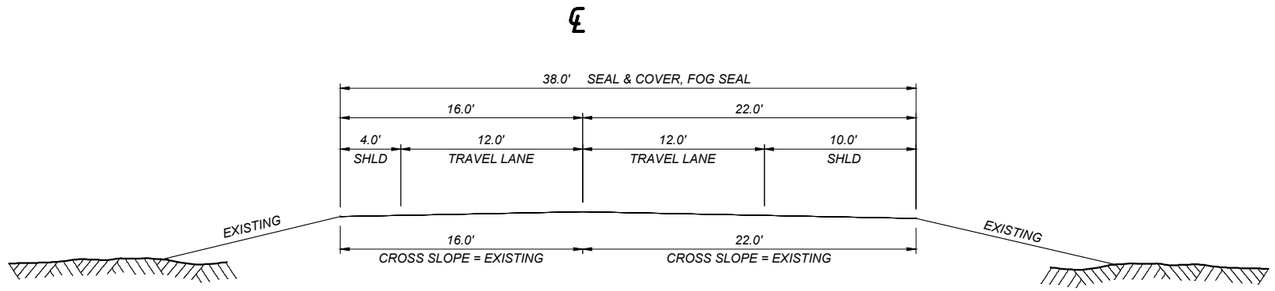
STA.	995+19.58				
STA.	1010+49.80	BK	=	1010+48.30	AH EQUATION
STA.	1141+68.10	BK	=	98+86.74	AH EQUATION
			TO	107+35.83	TYP. NO. 3
STA.	107+35.83		TO	109+35.83	TRANS. TYP. NO. 3 TO TYP. NO. 4

TYPICAL SECTION NO. 3

EASTBOUND
(REVERSE FOR WESTBOUND)

EASTBOUND

STA.	994+84.00				
STA.	1141+35.80	BK	=	99+02.01	AH EQUATION
			TO	107+35.83	TYP. NO. 3
STA.	107+35.83		TO	109+35.83	TRANS. TYP. NO. 3 TO TYP. NO. 4



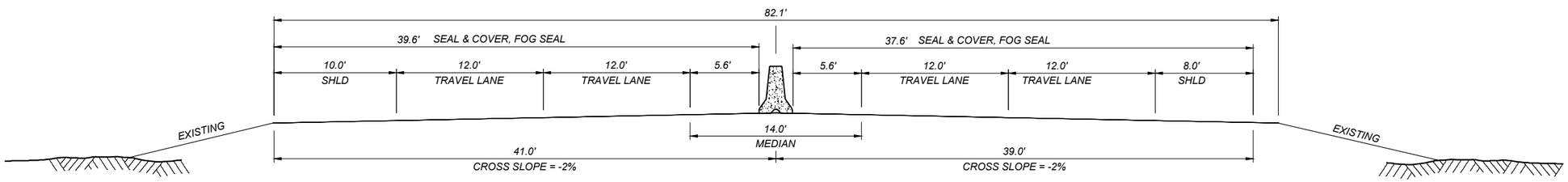
QUANTITIES				
UNIT	AGGREGATE COVER	UNIT	BITUMINOUS MATERIAL SEAL	BITUMINOUS MATERIAL EMULSIFIED ASPHALT FOG SEAL (OVER SEAL & COVER)
AREA square feet		square yards PER STATION	422	422
cubic yards PER STATION		tons PER STATION	0.79	
tons PER STATION		gallons PER STATION		32
square yards PER STATION	422			

TYPICAL SECTION NO. 4

MAINLINE

WB & EB

STA.	109+35.83				
STA,	112+79.99		TO	113+06.00	BRIDGE APPR. SECTION
STA.	113+06.00	BE	TO	114+44.00	BE BRIDGE
STA.	114+44.00		TO	114+69.49	BRIDGE APPR. SECTION
STA.	161+82.00	BK	=	161+72.00	AH EQUATION
STA.	167+17.25		TO	167+42.25	BRIDGE APPR. SECTION
STA.	167+42.25	BE	TO	172+02.75	BE BRIDGE
STA.	172+02.75		TO	172+27.75	BRIDGE APPR. SECTION
STA.	180+09.00		TO	180+34.00	BRIDGE APPR. SECTION
STA.	180+34.00	BE	TO	186+78.18	BE BRIDGE
STA.	186+78.18		TO	187+03.18	BRIDGE APPR. SECTION
			TO	187+03.18	TYP. NO. 4



QUANTITIES				
UNIT	AGGREGATE COVER	UNIT	BITUMINOUS MATERIAL SEAL	BITUMINOUS MATERIAL EMULSIFIED ASPHALT FOG SEAL (OVER SEAL & COVER)
AREA square feet		square yards PER STATION	858	858
cubic yards PER STATION		tons PER STATION	1.60	
tons PER STATION		gallons PER STATION		64
square yards PER STATION	858			

SHEET NO.
04

TYPICAL SECTIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY	11/2025
R. CATHEY	
REVIEWED BY	MM/YYYY
FIRST INITIAL LAST NAME	
CHECKED BY	05/2026
J. SOLIDAY	

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MONTANA
Department of Transportation

ROAD PLANS

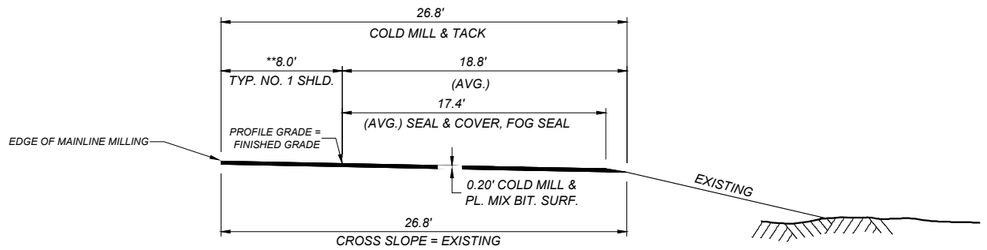
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TYPICAL SECTION NO. 5

HAUGAN TAPER RAMP
DEBORGIA WB ON & EB OFF TAPER RAMP

HAUGAN
STA. 841+00.00 TO 852+29.80 WB ON RAMP
STA. 868+41.70 TO 872+98.50 WB OFF RAMP
STA. 866+97.70 TO 879+50.00 EB ON RAMP
STA. 842+50.00 TO 847+18.18 EB OFF RAMP
DEBORGIA
STA. 980+00.00 TO 986+93.30 WB ON RAMP
STA. 980+60.00 TO 983+72.70 EB OFF RAMP



QUANTITIES

UNIT	AGGREGATE COVER	AGGREGATE PLANT MIX	UNIT	BITUMINOUS MATERIAL ASPHALT BINDER	BITUMINOUS MATERIAL SEAL	EMULSIFIED ASPHALT TACK *	EMULSIFIED ASPHALT FOG SEAL (OVER SEAL & COVER)	COLD MILLING
AREA square feet		5.22	square yards PER STATION		193	298	193	298
cubic yards PER STATION		19.3	tons PER STATION	2.49	0.36			
tons PER STATION		37.2	gallons PER STATION			15	14	
square yards PER STATION	193							

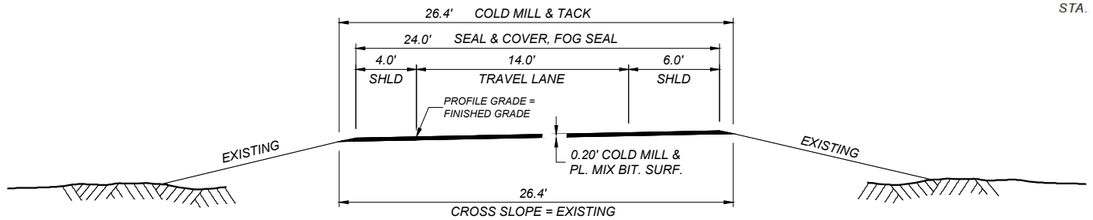
*BASED ON 1 APPLICATION

**8' SHOULDER AREA OUTSIDE OF RUMBLE STRIPS NOT INCLUDED IN MAINLINE MILLING, PAVING, AND TACK. FOG SEAL AND SEAL & COVER IS INCLUDED IN MAINLINE TYPICAL.

TYPICAL SECTION NO. 6

HAUGAN, DEBORGIA, & HENDERSON RAMPS

HAUGAN
STA. 852+29.80 TO 860+36.10 WB ON RAMP
STA. 856+61.70 TO 868+41.70 WB OFF RAMP
STA. 856+62.70 TO 866+97.70 EB ON RAMP
STA. 847+18.18 TO 860+64.46 EB OFF RAMP
DEBORGIA
STA. 986+93.30 TO 994+23.40 WB ON RAMP
STA. 983+72.70 TO 993+88.10 EB OFF RAMP
STA. 994+41.70 TO 1003+40.90 WB OFF RAMP
STA. 994+09.10 TO 1002+70.00 EB ON RAMP
HENDERSON
STA. 107+50.00 TO 114+49.17 WB ON RAMP
STA. 113+53.01 TO 121+60.00 WB OFF RAMP
STA. 114+15.76 TO 123+30.00 EB ON RAMP
STA. 105+00.00 TO 112+77.33 EB OFF RAMP



QUANTITIES

UNIT	AGGREGATE COVER	AGGREGATE PLANT MIX	UNIT	BITUMINOUS MATERIAL ASPHALT BINDER	BITUMINOUS MATERIAL SEAL	EMULSIFIED ASPHALT TACK *	EMULSIFIED ASPHALT FOG SEAL (OVER SEAL & COVER)	COLD MILLING
AREA square feet		5.08	square yards PER STATION		267	298	267	298
cubic yards PER STATION		18.8	tons PER STATION	2.43	0.50			
tons PER STATION		36.2	gallons PER STATION			15	20	
square yards PER STATION	267							

*BASED ON 1 APPLICATION

SHEET NO. 05

TYPICAL SECTIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY: R. CATHEY 11/2025
REVIEWED BY: FIRST INITIAL LAST NAME MM/YYYY
CHECKED BY: J. SOLIDAY 05/2026
10683000RDTYP001.DWG

MONTANA Department of Transportation

ROAD PLANS

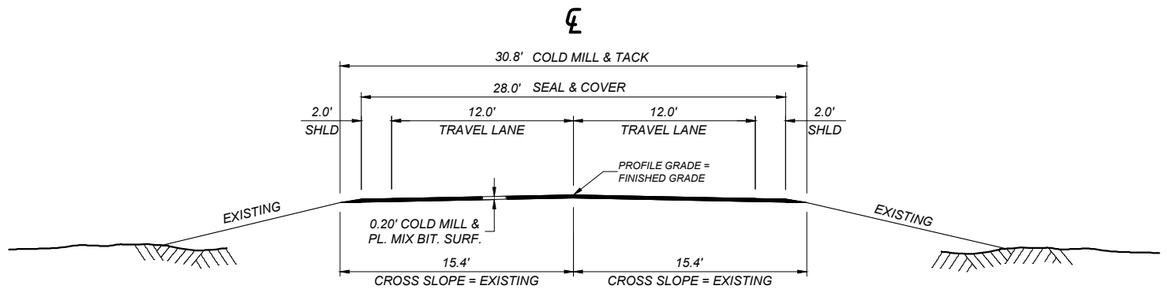
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TYPICAL SECTION NO. 7

HAUGAN, DEBORGIA, & HENDERSON INTERCHANGE CROSS-ROAD

HAUGAN
STA. 13+11.50 TO 17+25.00
DEBORGIA
STA. 994+57.00 TO 998+50.00
HENDERSON
STA. 11+91.00 TO 17+18.09



QUANTITIES

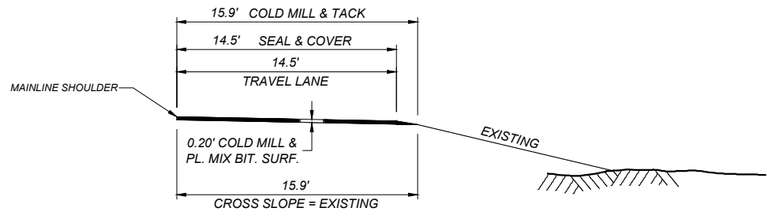
UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL				COLD MILLING
	COVER	PLANT MIX		ASPHALT BINDER	SEAL	EMULSIFIED ASPHALT		
						TACK *	FOG SEAL (OVER SEAL & COVER)	
AREA square feet		5.88	square yards PER STATION		311	342	311	342
cubic yards PER STATION		21.8	tons PER STATION	2.81	0.58			
tons PER STATION		42.0	gallons PER STATION			17	23	
square yards PER STATION	311							

*BASED ON 1 APPLICATION

TYPICAL SECTION NO. 8

DEBORGIA EB ON & WB OFF TAPER RAMP
HENDERSON RAMPS TAPER RAMP

DEBORGIA
STA. 1003+40.90 TO 1007+98.60 WB OFF RAMP
STA. 1002+70.00 TO 1015+53.80 EB ON RAMP
HENDERSON
STA. 1140+00.00
STA. 1141+68.10 BK = 98+86.74 AH EQUATION
TO 107+50.00 WB ON RAMP
STA. 121+60.00 TO 126+00.00 WB OFF RAMP
STA. 123+30.00 TO 138+94.78 EB ON RAMP
STA. 100+50.00 TO 105+00.00 EB OFF RAMP



QUANTITIES

UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL				COLD MILLING
	COVER	PLANT MIX		ASPHALT BINDER	SEAL	EMULSIFIED ASPHALT		
						TACK*	FOG SEAL (OVER SEAL & COVER)	
AREA square feet		3.04	square yards PER STATION		161	177	161	177
cubic yards PER STATION		11.3	tons PER STATION	1.46	0.30			
tons PER STATION		21.8	gallons PER STATION			9	12	
square yards PER STATION	161							

*BASED ON 1 APPLICATION

SHEET NO. 06

TYPICAL SECTIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY: R. CATHEY 11/2025
REVIEWED BY: FIRST INITIAL LAST NAME MM/YYYY
CHECKED BY: J. SOLIDAY 05/2026

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 III	AGGREGATE tons PLANT MIX BIT. SURF. GR. S 1/2" HIMA	AGGREGATE tons PLANT MIX BIT. SURF. GR. S 1/2"	BITUMINOUS MATERIAL tons ASPHALT BINDER PG 76E-34	BITUMINOUS MATERIAL tons ASPHALT BINDER PG 58V-34	BITUMINOUS MATERIAL tons SEAL CHFRS-2P	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT TACK	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT FOG SEAL	sq. yards COLD MILLING	REMARKS
EASTBOUND																	
831+48.50	834+76.80	328.30	328.30					1,458	144		9.6		2.7	56	108	1,146	TYP. NO. 2
834+76.80	835+27.50	50.70	50.70					220	22		1.5		0.4	9	16	177	TRANS. TYP. NO. 2 TO TYP. NO. 1
835+27.50																	
839+06.40 BK	840+25.00 AH				118.60	EQUATION											
	852+95.20	1,767.70	1,649.10					6,959	722		48.3		13.0	280	528	5,755	TYP. NO. 1
852+95.20	853+45.70	50.50	50.50					219	22		1.5		0.4	9	16	176	TRANS. TYP. NO.1 TO TYP. NO. 2
853+45.70																	
859+73.00	859+93.00				20.00	BR. APPR. SECTION											
859+93.00 BE	861+11.00 BE				118.00	BRIDGE											
861+11.00 BK	857+12.80 AH			398.20		EQUATION											
857+12.80	857+32.80				20.00	BR. APPR. SECTION											
	864+30.00	1,084.30	1,324.50					5,881	580		38.8		11.0	225	437	4,623	TYP. NO. 2
864+30.00	864+97.50	67.50	67.50					292	30		2.0		0.5	11	22	236	TRANS. TYP. NO. 2 TO TYP. NO. 1
864+97.50																	
888+86.00 BK	888+82.80 AH			3.20		EQUATION											
	904+50.30	3,952.80	3,956.00					16,694	1,733		115.9		31.3	673	1,266	13,806	TYP. NO. 1
904+50.30	905+00.30	50.00	50.00					217	22		1.5		0.4	9	16	175	TRANS. TYP. NO. 1 TO TYP. NO. 2
905+00.30																	
925+50.00 BK	925+15.20 AH			34.80		EQUATION											
	935+74.10	3,073.80	3,108.60					13,802	1,362		91.1		25.8	528	1,026	10,849	TYP. NO. 2
935+74.10	936+24.20	50.10	50.10					217	22		1.5		0.4	9	16	175	TRANS. TYP. NO. 2 TO TYP. NO. 1
936+24.20																	
954+25.10 BK	955+27.00 AH				101.90	EQUATION											
993+21.00	993+41.00				20.00	BR. APPR. SECTION											
993+41.00 BE	994+59.00 BE				118.00	BRIDGE											
994+59.00	994+84.00				25.00	BR. APPR. SECTION											
	994+84.00	5,859.80	5,594.90					23,610	2,451		163.9		44.2	951	1,790	19,526	TYP. NO. 1
994+84.00																	
1141+35.80 BK	99+02.01 AH			104,233.79		EQUATION											
	107+35.83	-88,748.17	15,485.62					65,349					122.3		4,955		TYP. NO. 3
107+35.83	109+35.83	200.00	200.00					863					1.6		65		TRANS. TYP. NO. 3 TO TYP. NO. 4
SUBTOTAL EASTBOUND		-72,212.67	31,915.82	104,669.99	541.50		~	135,781	7,110		475.6		254.0	2,760	10,261	56,644	
WESTBOUND																	
832+60.11																	
840+32.20 BK	840+25.00 AH			7.20		EQUATION											
	853+62.30	2,102.19	2,109.39					8,902	924		61.8		16.7	359	675	7,362	TYP. NO. 1
853+62.30	854+30.50	68.20	68.20					295	30		2.0		0.6	12	22	238	TRANS. TYP. NO. 1 TO TYP. NO. 2
854+30.50																	
859+73.00	859+93.00				20.00	BR. APPR. SECTION											
859+93.00 BE	861+11.00 BE				118.00	BRIDGE											
861+11.00 BK	857+12.80 AH			398.20		EQUATION											
857+12.80	857+32.80				20.00	BR. APPR. SECTION											
	866+49.30	1,218.80	1,459.00					6,478	639		42.7		12.1	248	481	5,092	TYP. NO. 2
866+49.30	867+16.80	67.50	67.50					292	30		2.0		0.5	11	22	236	TRANS. TYP. NO. 2 TO TYP. NO. 1
867+16.80																	
888+86.00 BK	888+82.80 AH			3.20		EQUATION											
	905+61.00	3,844.20	3,847.40					16,236	1,685		112.7		30.4	654	1,231	13,427	TYP. NO. 1
905+61.00	906+11.00	50.00	50.00					217	22		1.5		0.4	9	16	175	TRANS. TYP. NO. 1 TO TYP. NO. 2
906+11.00	907+23.20	112.20	112.20					498	49		3.3		0.9	19	37	392	TYP. NO. 2
907+23.20	907+73.20	50.00	50.00					217	22		1.5		0.4	9	16	175	TRANS. TYP. NO. 2 TO TYP. NO. 1
907+73.20																	
925+50.00 BK	925+15.20 AH			34.80		EQUATION											
938+65.80 BK	938+72.60 AH				6.80	EQUATION											
984+38.70 BK	984+37.80 AH			0.90		EQUATION											
993+55.80	993+75.80				20.00	BR. APPR. SECTION											
993+75.80 BE	994+93.80 BE				118.00	BRIDGE											
994+93.80	995+19.58				25.78	BR. APPR. SECTION											
	995+19.58	8,746.38	8,611.50					36,341	3,772		252.3		68.0	1,464	2,756	30,054	TYP. NO. 1
995+19.58																	
1010+49.80 BK	1010+48.30 AH			1.50		EQUATION											
1141+68.10 BK	98+86.74 AH			104,281.36		EQUATION											
	107+35.83	-88,783.75	15,499.11					65,406					122.4		4,960		TYP. NO. 3
107+35.83	109+35.83	200.00	200.00					844					1.6		64		TRANS. TYP. NO. 3 TO TYP. NO. 4
SUBTOTAL WESTBOUND		-72,324.28	32,074.30	104,727.16	328.58		~	135,726	7,173		479.8		254.0	2,785	10,280	57,151	
EASTBOUND & WESTBOUND																	
109+35.83																	
112+79.99	113+06.00				26.01	BR. APPR. SECTION											
113+06.00 BE	114+44.00 BE				138.00	BRIDGE											
114+44.00	114+69.49				25.49	BR. APPR. SECTION											
161+82.00 BK	161+72.00 AH			10.00		EQUATION											
167+17.25	167+42.25				25.00	BR. APPR. SECTION											
167+42.25 BE	172+02.75 BE				460.50	BRIDGE											
172+02.75	172+27.75				25.00	BR. APPR. SECTION											
180+09.00	180+34.00				25.00	BR. APPR. SECTION											
180+34.00 BE	186+78.18 BE				644.18	BRIDGE											
186+78.18	187+03.18				25.00	BR. APPR. SECTION											
	187+03.18	7,767.35	6,383.17					54,768					102.1		4,085		TYP. NO. 4
SUBTOTAL EB & WB		7,767.35	6,383.17	10.00	1,394.18			54,768					102.1		4,085		
						ADDITIONAL SURFACING	~	50,448		7,312		490.2	94.3	3,005	3,752	59,658	
TOTAL EASTBOUND		-64,445.32	38,298.99	104,679.99	1,935.68												
TOTAL WESTBOUND		-64,556.93	38,457.47	104,737.16	1,722.76												
TOTAL		~	~	~	~		200	376,723	14,283	7,312	955.4	490.2	704.4	8,550	28,378	173,453	

SHEET NO. 07

SUMMARY

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY	R. CATHEY	11/2025	
REVIEWED BY	FIRST INITIAL LAST NAME	MM/YYYY	
CHECKED BY	J. SOLIDAY	05/2026	10683000RDSUM001.DWG

MONTANA Department of Transportation

ROAD PLANS

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SUMMARY

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 III	AGGREGATE sq. yards PLANT MIX BIT. SURF. GR. S 1/2" HIMA	AGGREGATE tons PLANT MIX BIT. SURF. GR. S 1/2"	BITUMINOUS MATERIAL tons ASPHALT BINDER PG 76E-34	BITUMINOUS MATERIAL tons ASPHALT BINDER PG 58V-34	BITUMINOUS MATERIAL tons SEAL CHFRS-2P	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT TACK	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT FOG SEAL	sq. yards COLD MILLING	REMARKS
HAUGAN INTERCHANGE																	
841+00.00	852+29.80	1,129.80	1,129.80			WB ON RAMP		2,181		420		28.1	4.1	169	158	3,367	TYP. NO. 5
852+29.80	860+36.10	806.30	806.30			WB ON RAMP		2,153		292		19.6	4.0	121	161	2,403	TYP. NO. 6
856+61.70	868+41.70	1,180.00	1,180.00			WB OFF RAMP		3,151		427		28.7	5.9	177	236	3,516	TYP. NO. 6
868+41.70	872+98.50	456.80	456.80			WB OFF RAMP		882		170		11.4	1.6	69	64	1,361	TYP. NO. 5
856+62.70	866+97.70	1,035.00	1,035.00			EB ON RAMP		2,763		375		25.2	5.2	155	207	3,084	TYP. NO. 6
866+97.70	879+50.00	1,252.30	1,252.30			EB ON RAMP		2,417		466		31.2	4.5	188	175	3,732	TYP. NO. 5
842+50.00	847+18.18	468.18	468.18			EB OFF RAMP		904		174		11.7	1.7	70	66	1,395	TYP. NO. 5
847+18.18	860+64.46	1,346.28	1,346.28			EB OFF RAMP		3,595		487		32.7	6.7	202	269	4,012	TYP. NO. 6
13+11.50	17+25.00	413.50	413.50			INTERCHANGE CROSS ROAD		1,286		174		11.6	2.4	70	95	1,414	TYP. NO. 7
DEBORGIA INTERCHANGE																	
980+00.00	986+93.30	693.30	693.30			WB ON RAMP		1,338		258		17.3	2.5	104	97	2,066	TYP. NO. 5
986+93.30	994+23.40	730.10	730.10			WB ON RAMP		1,949		264		17.7	3.7	110	146	2,176	TYP. NO. 6
994+41.70	1003+40.90	899.20	899.20			WB OFF RAMP		2,401		326		21.9	4.5	135	180	2,680	TYP. NO. 6
1003+40.90	1007+98.60	457.70	457.70			WB OFF RAMP		737		100		6.7	1.4	41	55	810	TYP. NO. 8
994+09.10	1002+70.00	860.90	860.90			EB ON RAMP		2,299		312		20.9	4.3	129	172	2,565	TYP. NO. 6
1002+70.00	1015+53.80	1,283.80	1,283.80			EB ON RAMP		2,067		280		18.7	3.9	116	154	2,272	TYP. NO. 8
980+60.00	983+72.70	312.70	312.70			EB OFF RAMP		604		116		7.8	1.1	47	44	932	TYP. NO. 5
983+72.70	993+88.10	1,015.40	1,015.40			EB OFF RAMP		2,711		368		24.7	5.1	152	203	3,026	TYP. NO. 6
994+57.00	998+50.00	393.00	393.00			INTERCHANGE CROSS ROAD		1,222		165		11.0	2.3	67	90	1,344	TYP. NO. 7
HENDERSON INTERCHANGE																	
1140+00.00						WB ON RAMP											
1141+68.10 BK	98+86.74 AH			104,281.36		EQUATION											
	107+50.00	-103,250.00	1,031.36			WB ON RAMP		1,660		225		15.1	3.1	93	124	1,826	TYP. NO. 8
107+50.00	114+49.17	699.17	699.17			WB ON RAMP		1,867		253		17.0	3.5	105	140	2,084	TYP. NO. 6
113+53.01	121+60.00	806.99	806.99			WB OFF RAMP		2,155		292		19.6	4.0	121	161	2,405	TYP. NO. 6
121+60.00	126+00.00	440.00	440.00			WB OFF RAMP		708		96		6.4	1.3	40	53	779	TYP. NO. 8
114+15.76	123+30.00	914.24	914.24			EB ON RAMP		2,441		331		22.2	4.6	137	183	2,724	TYP. NO. 6
123+30.00	138+94.78	1,564.78	1,564.78			EB ON RAMP		2,519		341		22.8	4.7	141	188	2,770	TYP. NO. 8
100+50.00	105+00.00	450.00	450.00			EB OFF RAMP		725		98		6.6	1.4	41	54	797	TYP. NO. 8
105+00.00	112+77.33	777.33	777.33			EB OFF RAMP		2,075		281		18.9	3.9	117	155	2,316	TYP. NO. 6
11+91.00	17+18.09	527.09	527.09			INTERCHANGE CROSS ROAD		1,639		221		14.8	3.1	90	121	1,803	TYP. NO. 7
SUBTOTAL		~	~	~	~		~	**50,448**	~	**7,312**	~	**490.2**	**94.3**	**3,005**	**3,752**	**59,658**	

BRIDGE REPAIRS

REFERENCE POINT	sq. yards CLASS A DECK REPAIR	sq. yards DECK CRACK SEAL	linear ft. RESEAL EXISTING JOINTS*	linear ft. EXPANSION JOINT PRECOMPRESSED	linear ft. TEMPORARY BARRIER RAIL	linear ft. RESET TEMPORARY BARRIER RAIL	each TEMPORARY IMPACT ATTENUATOR	each RESET TEMPORARY IMPACT ATTENUATOR	MONTANA STRUCTURE ID	NBI STRUCTURE ID	REMARKS
RP 16.33		722		83	200	200	2	2	01307	100090016+03301	EB HAUGAN INTERCHANGE
RP 16.33	5	722		83	200	200	2	2	01308	100090016+03302	WB HAUGAN INTERCHANGE
RP 18.92	5	734		83	200	200	2	2	01310	100090018+09271	EB DEBORGIA INTERCHANGE
RP 18.92	5	734		83	200	200	2	2	01311	100090018+09272	WB DEBORGIA INTERCHANGE
RP 23.06	15	4,639	171	171	600	600	2	2	01313	100090023+00631	EB & WB STRUCTURE
RP 23.32			192	192					01314	100090023+03251	EB & WB STRUCTURE
TOTAL	**30**	**7,550**	**363**	**695**	**1,400**	**1,400**	**10**	**10**			

* BENTS 1 & 4 ON MONTANA STRUCTURE ID 01313 AND BENTS 1 & 5 ON MONTANA STRUCTURE ID 01314

SHEET NO. 08

SUMMARY

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY: R. CATHEY 11/2025
REVIEWED BY: FIRST INITIAL LAST NAME MM/YYYY
CHECKED BY: J. SOLIDAY 05/2026

MONTANA Department of Transportation

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SUMMARY

CRACK SEALING

STATION		TRANSVERSE & LONGITUDINAL CRACK SEALING				REMARKS
		CRACK SEALING		CRACK FILLING MASTIC		
FROM	TO	linear feet	pounds	linear feet	pounds	
994+84.00	187+03.18	6,106	4,274	8,246	14,019	EB MAINLINE
995+19.58	187+03.18	11,203	7,842	3,899	6,628	WB MAINLINE
TOTAL		~	12,116	~	20,647	

RUMBLE STRIPS

STATION		miles		gals	REMARKS
		RUMBLE STRIPS		EMULSIFIED ASPHALT FOG SEAL #	
FROM	TO	CONTIN-UOUS	INTER-MITTENT		
831+48.50	993+21.00	3.1	2.7	182	EB MAINLINE
832+60.11	993+55.80	3.1	2.7	180	WB MAINLINE
SUBTOTAL		6.2	5.4	362	
TOTAL		11.6		~	

FOR INFORMATION ONLY, INCLUDE IN THE COST OF RUMBLE STRIPS

PAVEMENT MARKINGS

ITEM	UNIT	INTERIM APPLICA-TION #*	FINAL APPLICA-TION*	TOTAL
STRIPING - WHITE PAINT	gallon	816		816
STRIPING - YELLOW PAINT	gallon	584		584
WORDS & SYMBOLS - WHITE PAINT	gallon	12		12
STRIPING - WHITE EPOXY	gallon		1,088	1,088
STRIPING - YELLOW EPOXY	gallon		777	777
WORDS & SYMBOLS - WHITE EPOXY	gallon		16	16
TEMPORARY STRIPING - 6 INCH	linear feet			30,096
STRIPE GROOVING - 6 INCH	linear feet			150,294

BASED ON 1 APPLICATION.
*REPLACE ALL MAINLINE STRIPING WITH INLAID STRIPING. REPLACE 4" EXISTING EDGE STRIPING (ONLY ON MAINLINE, NOT RAMPS) WITH 6" STRIPING. MATCH EXISTING STRIPING ON RAMPS.

SHEET NO. 09

SUMMARY

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY: R. CATHEY 11/2025
REVIEWED BY: FIRST INITIAL LAST NAME MM/YYYY
CHECKED BY: J. SOLIDAY 05/2026

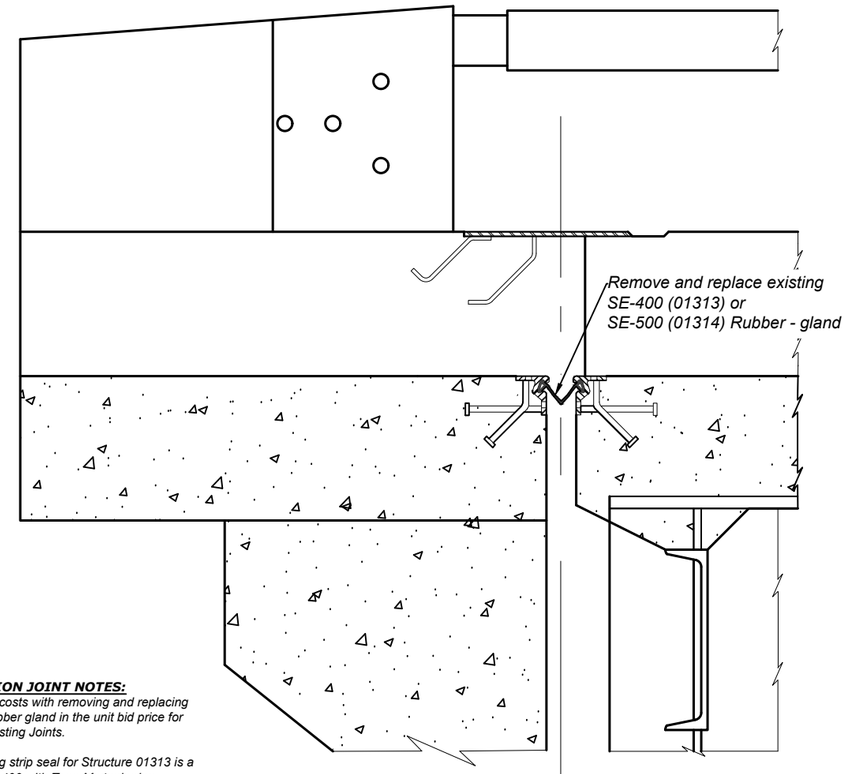
MONTANA Department of Transportation
ROAD PLANS

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TABLE OF EXPANSION GAPS									
		JOINT OPENING (IN.) @						MOVEMENT/F (IN./10° F)	TOTAL MOVEMENT
MDT. ID.	LOCATION	113° F	68° F	59° F	32° F	-4° F	-40° F		
01313	Bent 1 & 4	15/16	1 7/16	1 15/16	2 7/16	3 1/16	3 3/4	3/16	2 13/16
01314	Bent 1 & 5	1 5/16	1 15/16	2 1/2	3 1/8	3 15/16	4 3/4	1/4	3 3/8



RESEAL EXPANSION JOINT

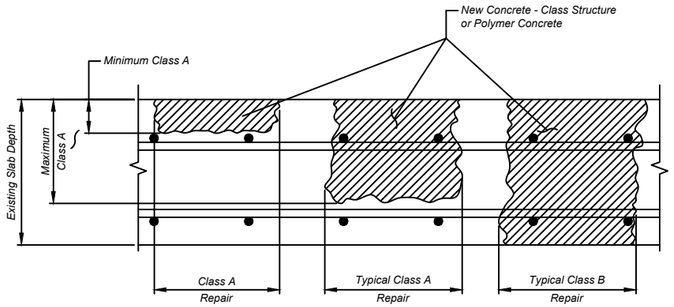
Scale ~ 1" = 1'-0"
(01313 - Bents 1 & 4)
(01314 - Bents 1 & 5)

EXPANSION JOINT NOTES:

Include all costs with removing and replacing existing rubber gland in the unit bid price for Reseal Existing Joints.

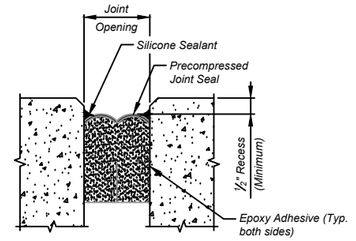
The existing strip seal for Structure 01313 is a WABO SE-400 with Type M steel edge members. Minimum installation width is 2". The existing strip seal for Structure 01314 is a WABO SE-500 with Type M steel edge members. Minimum installation width is 2.5".

Shop drawings for the existing expansion joints are available upon request.



BRIDGE DECK REPAIR AND THIN OVERLAY DEFINITION

No Scale



PRECOMPRESSED JOINT SEAL DETAIL

No Scale

SHEET NO.
10

BRIDGE DECK & EXPANSION
JOINT REPAIR

PROJECT NAME: DEBORGIA E&W
COUNTY: MINERAL
PROJECT ID: M 90-1(258)15
UPN: 10683000

DESIGNED BY: L.M.M. 4-16-26
REVIEWED BY:
FIRST INITIAL LAST NAME MM/YYYY
CHECKED BY: J. SOLIDAY 05/2026
10683000RDDET001.DWG

MONTANA
Department of Transportation

ROAD PLANS

4-23-26

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NOTES AND ABBREVIATIONS:

WOOD POLE LINEAR FOOT MEASUREMENTS ARE FOR INFORMATIONAL PURPOSES ONLY. WOOD POLE QUANTITIES ARE PAID FOR BY EACH.

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

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 AND PAVEMENT MARKING LOCATIONS ARE APPROXIMATE. 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, PROJECT MANAGER WILL CONTACT TRAFFIC & SAFETY BUREAU SIGNING SECTION WITH THE CORRECT NAME AND A NEW SIGN DESIGN WILL BE PROVIDED.

RSFO = REPLACE SIGN FACE ONLY

FY = FLUORESCENT YELLOW SHEETING REQUIRED

FYG = FLUORESCENT YELLOW-GREEN SHEETING REQUIRED

1 AIR = 1 OR 2 ANGLE IRONS REQUIRED
2 AIR = 2 1/2" x 2 1/2" x 3/8" x 6'-4" (37 lbs.EACH)
IF Y POST DOES NOT REACH TOP 6" OF PANEL, 2 ANGLE IRONS REQUIRED.

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

MBB = MOUNT BACK TO BACK

CAM = CHEVRON ANGLE MOUNT (SEE DET. DWG 619-24)

CBR = CONCRETE BARRIER RAIL

✕ = 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.

BGR = BEHIND GUARDRAIL

SUMMARY SIGNING & DELINEATION QUANTITIES

MATERIAL	TOTAL	UNIT
SIGNS-ALUM REFL SHEET XI	1,831.3	SQFT
SIGNS-ALUM SHEET INCR XI	2,780.7	SQFT
REMOVE SIGN	107	EACH
REMOVE SIGN-GUIDE	11	EACH
POSTS-TUBULAR STEEL	2,783	LB
POSTS-STEEL U SIGN	600	LB
POSTS-STEEL STRUCTURAL SIGN	6,250	LB
POLES-TREATED WOOD 4 IN	38	EACH
POLES-TREATED WOOD 5 IN	30	EACH
POLES-TREATED WOOD 6 IN	3	EACH
FRANG SIGN POST BKWY-S4 X 7.7 (S100X11)	6	EACH
FRANG SIGN POST BKWY-W8 X 18 (W200 X 27)	8	EACH
FRANG SIGN POST BKWY-W8 X 24(W200X34)	4	EACH
FRANG SIGN POST BKWY-3.5 IN RD (89MM)	6	EACH
FRANG SIGN POST BKWY-4 IN RD (100 MM)	14	EACH
DELINEATOR TYPE 1	897	EACH

DELINEATION SPECIFICATIONS

SYMBOL	DESIGN	TOTAL
⊣	A	331
⊣|	B	140
|⊣|	D	12
⊣<	G	195
⊣▷	H	219

SHEET NO. S1

SIGNING NOTES AND SUMMARY FRAMES

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY: L.MOREY 03/2026
REVIEWED BY: N.THOLT 03/2026
CHECKED BY: N.STYREN 03/2026

MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS											SIGN ASSEMBLY QUANTITIES													ADDITIONAL INFORMATION	
								FEET		FEET									PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W	X	H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
RP 15.05	R EB	REPLACE	D9-18b	132	X	114				20.0	W8x24 Structural Steel	6.6	7.0		20.2	21.3			■			104.5						996		2		1			NEXT RIGHT	Remove phone and camper symbol plaques and supports, and replace with D9-18b
I-90 Mainline - Stationing from IM 90-1(193)16 As-Builts																																		
829+50	L WB	RSFO	R13-1	132	X	78												BGR		71.5													ALL TRUCKS COMMERCIAL VEHICLES OVER 26000 GVW NEXT LEFT	Trim supports to top of panel via EPM approved method
	M WB	RSFO	R13-1	132	X	78												BGR		71.5													ALL TRUCKS COMMERCIAL VEHICLES OVER 26000 GVW NEXT LEFT	
832+00	M	REPLACE	R5-11 (2x)	30	X	24			MBB	20.0	4" Treated Wood Pole		7.0	3.0	12.0						10.0		12						1				AUTHORIZED VEHICLES ONLY	
834+40	L WB	RSFO	G13-4	96	X	24														16.0													MEDIAN	
			D8-2L	108	X	66														49.5													WEIGH STATION NEXT LEFT	
836+00	L WB	REPLACE	M3-4P	36	X	18				20.0	3.5" Tubular Stl-Round		7.0	3.0	15.2				■		4.5					139			1	1				WEST	
			M1-1	36	X	36														7.2													INTERSTATE 90	
838+00	R EB	RSFO	E1-5P (16)	114	X	30		2 AIR												23.8							74						EXIT 16	
			G5-3	120	X	72														60.0													Haugan	
842+00	R EB	REPLACE	D10-5 (16)	12	X	36				6.0	2.0lb Steel U Post		4.0	3.0	11.1						3.0							23		1				MILE 1 6	
843+10	L WB	REPLACE	D10-5 (16)	12	X	36				6.0	2.0lb Steel U Post		4.0	3.0	11.1						3.0							23		1				MILE 1 6	
848+50	GORE EB	RSFO	E5-1a (16)	78	X	60														32.5													EXIT 16	
849+50	L WB	REMOVE SIGN																												1				NO PANEL, REMOVE STEEL SUPPORTS
858+50	L WB	RSFO	G13-4	96	X	24														16.0													MEDIAN	
			D8-1	96	X	72														48.0													WEIGH STATION 1 MILE	
			D8-1P	108	X	18														13.5													BE PREPARED TO STOP	

SHEET NO.
S2

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY: L MOREY 03/2026
REVIEWED BY: N THOLT 03/2026
CHECKED BY: N STYREN 03/2026

MONTANA Department of Transportation

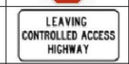
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SIGN LOCATION			PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES														ADDITIONAL INFORMATION	
									FEET			FEET							PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W	X	H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
I-90 Haugan Westbound On Ramp - Ramp 1 on IM 90-1(193)16 As-Builts																																	
859+00	L	REPLACE	LA-1 MT	24	X	12				7.0	2.0lb Steel U Post		4.0	3.0	9.3						2.0								19		1					
859+80	L	REPLACE	D13-3	48	X	30				10.0	4" Treated Wood Pole	2.4	7.0	3.0	14.3	14.7					10.0		32									1					
I-90 Haugan Westbound Off Ramp - Ramp 2 on IM 90-1(193)16 As-Builts																																	
856+90	L	REPLACE	R1-1	48	X	48				6.0	5" Treated Wood Pole		7.0	3.5	15.8				X		13.3			16							1					
857+50	L	REPLACE	LA-2 MT	24	X	12				7.0	2.0lb Steel U Post		4.0	3.0	9.3						2.0								19		1					
858+80	L	NEW	D9-18rampR	108	X	84				10.0	W8x18 Structural Steel	5.4	9.3	5.5	20.7	21.6			■			63.0							761		2					
			D9-3	24	X	24															4.0														Mount on X post
			M6-4P	21	X	15															2.2														Mount on X post
860+20	L	RSFO	G8-6R	84	X	24																14.0														Remove all blue plaques and arrows
			G30-107	84	X	24																14.0														
863+00	L	REPLACE	R5-1a	42	X	30				10.0	4" Treated Wood Pole		4.0	3.0	11.5						8.8		12								1					
863+00	R	REPLACE	R5-1a	42	X	30				10.0	4" Treated Wood Pole		4.0	3.0	11.5						8.8		12								1					
863+20	L	RSFO	W3-1	48	X	48		BBR													16.0														

SHEET NO.
S3

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY	DATE	REVIEWED BY	DATE	CHECKED BY	DATE
L.MOREY	03/2026	N.THOLT	03/2026	N.STYREN	03/2026

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MONTANA
Department of Transportation

SIGNING PLANS

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SIGN LOCATION			PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES														ADDITIONAL INFORMATION	
									FEET		FEET								PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W	X	H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
I-90 Haugan Crossroad - Stationing from IM 90-1(193)16 As-Builts																																
13+30	L	REPLACE	R6-1L	48	X	18		BBR		10.0	4.0" Tubular Stl-Round		4.0	3.0	11.6				■		6.0					125				1	1				ONE WAY	MBB with R6-1R
			R6-1R	48	X	18		BBR													6.0												ONE WAY	MBB with R6-1L
			R5-1	48	X	48		BBR													16.0												DO NOT ENTER	
13+80	R	RSFO	G9-4	126	X	42																36.8												Missoula / Coeur d'Alene	
14+00	L	REPLACE	R6-1L	48	X	18		BBR		10.0	4.0" Tubular Stl-Round		4.0	3.0	11.6				■		6.0					125				1	1				ONE WAY	MBB with R6-1R
			R6-1R	48	X	18		BBR													6.0												ONE WAY	MBB with R6-1L
			R5-1	48	X	48		BBR													16.0												DO NOT ENTER	
14+10	R	RSFO	M3-4P	24	X	12															2.0												WEST	
			M1-1 (90)	24	X	24															3.2												90	
			M6-1PR	21	X	15															2.2													
			M3-2P	24	X	12															2.0												EAST	
			M1-1 (90)	24	X	24															3.2												90	
			M6-3P	21	X	15															2.2													
			M3-4P	24	X	12															2.0												WEST	
			M1-1 (90)	24	X	24															3.2												90	
			M6-1PL	21	X	15															2.2													

SHEET NO.
S4

SIGN LOCATIONS AND SPECIFICATIONS

MONTANA
Department of Transportation

SIGNING PLANS

PROJECT NAME	DEBORGIA - E & W
COUNTY	MINERAL
PROJECT ID	IM 90-1(258)15
UPN	10683000
DESIGNED BY	L.MOREY 03/2026
REVIEWED BY	N.THOLT 03/2026
CHECKED BY	N.STYREN 03/2026

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS											SIGN ASSEMBLY QUANTITIES													ADDITIONAL INFORMATION	
								FEET		FEET									PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
14+10	L	REPLACE	R3-1	36 X 36				10.0	4" Treated Wood Pole		5.0	3.0	12.9						9.0		14								1					
14+20	L	RSFO	G8-4L	126 X 24																21.0													
15+20	R	RSFO	G8-3L	90 X 24																15.0													
15+95	R	REPLACE	R3-1	36 X 36				10.0	4" Treated Wood Pole		5.0	3.0	12.9						9.0		14								1					
15+95	L	RSFO	M3-4P	24 X 12															2.0														
			M1-1 (90)	24 X 24															3.2														
			M6-3P	21 X 15															2.2														
			M3-2P	24 X 12															2.0														
			M1-1 (90)	24 X 24															3.2														
			M6-1PL	21 X 15															2.2														
16+10	L	RSFO	G9-2	120 X 42																35.0													Remove single destination sign (Coeur d'Alene)
16+20	R	REPLACE	R6-1L	48 X 18		BBR		10.0	4.0" Tubular Stl-Round		4.0	3.0	11.6				■		6.0					125				1	1				MBB with R6-1R
			R6-1R	48 X 18		BBR													6.0													MBB with R6-1L
			R5-1	48 X 48		BBR													16.0													

SHEET NO.
S5

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 1068300

	DESIGNED BY	REVIEWED BY	CHECKED BY
	L MOREY	N THOLT	N STYREN
	03/2026	03/2026	03/2026

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MONTANA Department of Transportation

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SIGN LOCATION			PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS											SIGN ASSEMBLY QUANTITIES													ADDITIONAL INFORMATION	
									FEET		FEET									PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W	X	H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
17+00	R	REPLACE	R6-1L	48	X	18		BBR		10.0	4.0" Tubular Stl-Round		4.0	3.0	11.6				■		6.0					125				1	1				ONE WAY	
			R6-1R	48	X	18		BBR													6.0												ONE WAY	
			R5-1	48	X	48		BBR													16.0												DO NOT ENTER	
17+10	L	REPLACE	R3-2	36	X	36				10.0	4" Treated Wood Pole		5.0	3.0	12.9					BGR	9.0		14							1					
I-90 Haugan Eastbound Off Ramp - Ramp 4 on IM 90-1(193)16 As-Builts																																		
854+70	R	RSFO	W3-1	48	X	48		BBR													16.0													
854+80	L	REPLACE	R5-1a	42	X	30				10.0	4" Treated Wood Pole		4.0	3.0	11.5						8.8		12							1				WRONG WAY	
854+80	R	REPLACE	R5-1a	42	X	30				10.0	4" Treated Wood Pole		4.0	3.0	11.5						8.8		12							1				WRONG WAY	
856+70	R	RSFO	G8-5L	84	X	24																14.0											Haugan	Remove all blue plaques and arrows
			G30-106	84	X	24																14.0											Savenac	
857+90	R	NEW	D9-18rampL	108	X	84				10.0	W8x18 Structural Steel	5.4	9.3	5.5	20.7	21.6			■			63.0						761		2				NEXT LEFT	
			D9-3	24	X	24															4.0													Mount on X post
			M6-4P	21	X	15															2.2													Mount on X post
859+20	R	REPLACE	LA-2 MT	24	X	12				7.0	2.0lb Steel U Post		4.0	3.0	9.3						2.0						19		1				LEAVING CONTROLLED ACCESS HIGHWAY	
860+20	R	REPLACE	R1-1	48	X	48				6.0	5" Treated Wood Pole		7.0	3.5	15.8				✕		13.3				16					1				STOP	

SHEET NO.
S6

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY	REVIEWED BY	CHECKED BY
L MOREY 03/2026	N THOLT 03/2026	N STYREN 03/2026

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MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION			PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS											SIGN ASSEMBLY QUANTITIES														ADDITIONAL INFORMATION	
									FEET		FEET									PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W	X	H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
860+40	L	REPLACE	R6-1L	48	X	18		BBR		10.0	4.0" Tubular Stl-Round		4.0	3.0	11.6				■		6.0					125				1	1				ONE WAY	MBB with R6-1R
			R6-1R	48	X	18		BBR													6.0													ONE WAY	MBB with R6-1L
			R5-1	48	X	48		BBR													16.0													DO NOT ENTER	
860+40	R	REPLACE	R6-1L	48	X	18		BBR		10.0	4.0" Tubular Stl-Round		4.0	3.0	11.6				■		6.0					125				1	1				ONE WAY	
			R6-1R	48	X	18		BBR													6.0													ONE WAY	
			R5-1	48	X	48		BBR													16.0													DO NOT ENTER	
I-90 Haugan Eastbound On Ramp - Ramp 3 on IM 90-1(193)16 As-Builts																																			
856+80	R	REPLACE	D13-3	48	X	30				10.0	4" Treated Wood Pole	2.4	7.0	3.0	14.3	14.7				BGR	10.0		32								1			FREEWAY ENTRANCE	
857+30	R	REPLACE	LA-1 MT	24	X	12				7.0	2.0lb Steel U Post		4.0	3.0	9.3						2.0								19		1			ENTERING CONTROLLED ACCESS HIGHWAY	
I-90 Mainline																																			
868+00	GORE WB	RSFO	E5-1a (16)	78	X	60															32.5													EXIT 16	
873+50	L WB	RSFO	E1-5P (16)	114	X	30		2 AIR													23.8							74					EXIT 16	
			G5-3	120	X	72															60.0													Haugan	
882+75	OH	USE AS IS	VMS																																

SHEET NO.
S7

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY	DATE	REVIEWED BY	DATE	CHECKED BY	DATE
L.MOREY	03/2026	N.THOLT	03/2026	N.STYREN	03/2026

MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS												SIGN ASSEMBLY QUANTITIES														ADDITIONAL INFORMATION	
								FEET		FEET										PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
885+00	R EB	REPLACE	M3-2P	36 X 18				20.0	3.5" Tubular Stl-Round		7.0	3.0	15.2				■		4.5					139				1	1				EAST	
			M1-1 (90)	36 X 36															7.2													90	
888+65	M	REPLACE	R5-11 (2x)	30 X 24				10.0	4" Treated Wood Pole		7.0	3.0	13.9						10.0		14								1				AUTHORIZED VEHICLES ONLY	
891+80	L WB	REPLACE	G30-104	168 X 84				20.0	W8x18 Structural Steel	8.4	5.0	5.5	15.8	17.2			■			98.0					594		2		1				Savenac Historic Tree Nursery NEXT RIGHT	
			D9-10	30 X 30															6.3													INFO	Mount on X post
			RS-044	30 X 30															6.3														Mount on Y post
891+91	R EB	REPLACE	D10-5 (17)	12 X 36				6.0	2.0lb Steel U Post		4.0	3.0	11.1						3.0							23		1				MILE 17	
891+91	L WB	REPLACE	D10-5 (17)	12 X 36				6.0	2.0lb Steel U Post		4.0	3.0	11.1						3.0							23		1				MILE 17	
895+00	R EB	RSFO	R2-1 (70)	48 X 60																20.0												SPEED LIMIT 70	
			R2-2P (65)	48 X 36																12.0												TRUCKS 65	
903+00	R EB	RSFO	W11-3	48 X 48														BGR	16.0														
			W16-3aP	36 X 18															4.5													3 MILES	
903+00	L WB	NEW	D9-18b	132 X 114				20.0	W8x24 Structural Steel	6.6	7.0	7.0	20.2	21.3			■			104.5					996		2						NEXT RIGHT	

SHEET NO.
S8

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY: L.MOREY 03/2026
REVIEWED BY: N.THOLT 03/2026
CHECKED BY: N.STYREN 03/2026

10683000SISUM001.DWG

MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION			PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS											SIGN ASSEMBLY QUANTITIES													ADDITIONAL INFORMATION	
									FEET		FEET									PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W	X	H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
907+00	M EB	USE AS IS	W1-2L																															Existing sign installed 2025
907+00	R EB	USE AS IS	W1-2L															BGR																Existing sign installed 2025
910+20	R EB	REPLACE	W1-8L	36	X	48	FY			5.0	5" Treated Wood Pole		7.0	3.5	16.1					BGR	12.0			18						1				
911+60	M WB	RSFO	W1-8R	36	X	48	FY														12.0													
912+10	R EB	REPLACE	W1-8L	36	X	48	FY			5.0	5" Treated Wood Pole		7.0	3.5	16.1					BGR	12.0			18						1				
913+40	M WB	RSFO	W1-8R	36	X	48	FY														12.0													
914+10	R EB	REPLACE	W1-8L	36	X	48	FY			5.0	5" Treated Wood Pole		7.0	3.5	16.1					BGR	12.0			18						1				
915+20	M WB	RSFO	W1-8R	36	X	48	FY														12.0													
916+10	R EB	REPLACE	W1-8L	36	X	48	FY			5.0	5" Treated Wood Pole		7.0	3.5	16.1					BGR	12.0			18						1				
917+00	M WB	RSFO	W1-8R	36	X	48	FY														12.0													
917+90	R EB	REPLACE	W1-8L	36	X	48	FY			5.0	5" Treated Wood Pole		7.0	3.5	16.1					BGR	12.0			18						1				
918+70	M WB	RSFO	W1-8R	36	X	48	FY														12.0													
919+00	R EB	REPLACE	W1-8L	36	X	48	FY			5.0	5" Treated Wood Pole		7.0	3.5	16.1					BGR	12.0			18			74			1				
920+50	M WB	RSFO	W1-8R	36	X	48	FY														12.0													
922+50	M WB	RSFO	W1-8R	36	X	48	FY														12.0													
923+00	L WB	RSFO	E1-5P (16)	114	X	30		2 AIR														23.8											EXIT 16	REMOVE all blue service and brown recreational plaques
			G3-3	114	X	66																52.3											Haugan 1 MILE	

SHEET NO.
S9

SIGN LOCATIONS AND SPECIFICATIONS

MONTANA Department of Transportation

SIGNING PLANS

PROJECT NAME	DEBORGIA - E & W
COUNTY	MINERAL
PROJECT ID	IM 90-1(258)15
UPN	10683000

DESIGNED BY	REVIEWED BY	CHECKED BY
L MOREY 03/2026	N THOLT 03/2026	N STYREN 03/2026

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
								FEET		FEET								PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W	X	H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
927+00	R EB	RSFO	E1-5P (18)	114	X	30		2 AIR											23.8							74						EXIT 18	
			G3-4	144	X	66													66.0													De Borgia 1 MILE	
			D9-8	30	X	30												6.3															Mount on X post
			D9-9	30	X	30												6.3															Mount on Y post
927+65	R WB	USE AS IS	W1-2R																															Existing sign installed 2025
927+65	M WB	USE AS IS	W1-2R																															Existing sign installed 2025
934+00	R WB	USE AS IS	R16-99																															Existing sign installed 2022
939+25	R EB	REMOVE GUIDE	IS21-2																												1			
944+71	R WB	REPLACE	D10-5 (18)	12	X	36				6.0	2.0lb Steel U Post		4.0	3.0	11.1						3.0								23		1					
944+71	R EB	REPLACE	D10-5 (18)	12	X	36				6.0	2.0lb Steel U Post		4.0	3.0	11.1						3.0								23		1					
959+50	R WB	RSFO	R2-1 (70)	48	X	60													20.0															
			R2-2P (65)	48	X	36													12.0															
962+00	R EB	USE AS IS	W1-2R																															
969+75	R WB	REPLACE	M3-4P	36	X	18				20.0	3.5" Tubular Stl-Round		7.0	3.0	15.2				■		4.5					139				1	1				
			M1-1 (90)	36	X	36															7.2													

SHEET NO. S10

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY	REVIEWED BY	CHECKED BY
L MOREY 03/2026	N THOLT 03/2026	N STYREN 03/2026

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MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS												SIGN ASSEMBLY QUANTITIES														ADDITIONAL INFORMATION	
								FEET		FEET										PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W	X	H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
972+05	M WB	REPLACE	R5-11	30	X	24				10.0	4" Treated Wood Pole		7.0	3.0	13.9						5.0		14								1				AUTHORIZED VEHICLES ONLY	
972+50	M EB	REPLACE	R5-11	30	X	24				10.0	4" Treated Wood Pole		7.0	3.0	13.9						5.0		14								1				AUTHORIZED VEHICLES ONLY	
978+50	R EB	RSFO	E1-5P (18)	114	X	30		2 AIR														23.8						74						EXIT 18	
			G5-4	120	X	72																60.0												De Borgia	
981+50	L WB	USE AS IS	W1-2L																																	
986+50	GORE EB	RSFO	E5-1a (18)	78	X	60																32.5												EXIT 18	
I-90 De Borgia Westbound On Ramp - Ramp C-1 on IM 90-1(193)16 As-Builts																																				
992+80	L	REPLACE	D13-3	48	X	30				10.0	4" Treated Wood Pole	2.4	7.0	3.0	14.3	14.7					10.0		32								1				FREEWAY ENTRANCE	
993+20	L	REPLACE	LA-1 MT	24	X	12				7.0	2.0lb Steel U Post		4.0	3.0	9.3						2.0							19		1				ENTERING CONTROLLED ACCESS HIGHWAY	
I-90 De Borgia Westbound Off Ramp - Ramp C-2 on IM 90-1(164)19 As-Builts																																				
994+55	L	REPLACE	R6-1L	48	X	18		BBR		10.0	4.0" Tubular Stl-Round		4.0	3.0	11.6				■		6.0						125			1	1				ONE WAY	MBB with R6-1R
			R6-1R	48	X	18		BBR													6.0												ONE WAY	MBB with R6-1L
			R5-1	48	X	48		BBR													16.0												DO NOT ENTER	

SHEET NO. S11

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY		REVIEWED BY		CHECKED BY	
L MOREY	03/2026	N THOLT	03/2026	N STYREN	03/2026

MONTANA Department of Transportation

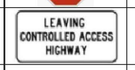
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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS											SIGN ASSEMBLY QUANTITIES														ADDITIONAL INFORMATION	
								FEET		FEET									PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W	X	H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
994+55	R	REPLACE	R6-1L	48	X	18		BBR		10.0	4.0" Tubular Stl-Round		4.0	3.0	11.6				■		6.0					125				1	1					MBB with R6-1R
			R6-1R	48	X	18		BBR													6.0														MBB with R6-1L
			R5-1	48	X	48		BBR													16.0														
994+80	L	REPLACE	R1-1	48	X	48				6.0	5" Treated Wood Pole		7.0	3.5	15.8				X		13.3			16						1					
995+15	L	REPLACE	LA-2 MT	24	X	12				7.0	2.0lb Steel U Post		4.0	3.0	9.3						2.0								19	1					
997+50	L	RSFO	D1-1-D9-18R	102	X	54																38.3													
998+90	L	REPLACE	R5-1a	42	X	30				10.0	4" Treated Wood Pole		4.0	3.0	11.5						8.8			12						1					
998+90	R	REPLACE	R5-1a	42	X	30				10.0	4" Treated Wood Pole		4.0	3.0	11.5						8.8			12						1					
999+50	L	RSFO	W3-1	48	X	48		BBR													16.0														

SHEET NO.
S12

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY		REVIEWED BY		CHECKED BY	
L.MOREY	03/2026	N.THOLT	03/2026	N.STYREN	03/2026

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MONTANA
Department of Transportation

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SIGN LOCATION			PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS									SIGN ASSEMBLY QUANTITIES														ADDITIONAL INFORMATION	
									FEET		FEET							PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W	X	H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
I-90 De Borgia Crossroad - Stationing from IM 90-1(164)19 As-Builts																																	
994+43	R	REPLACE	R3-2	36	X	36				10.0	5" Treated Wood Pole		5.0	3.5	13.4				X		9.0			14							1					
995+50	R	RSFO	G9-2	120	X	42																35.0												
995+60	L	REPLACE	R3-1	36	X	36				10.0	5" Treated Wood Pole		5.0	3.5	13.4				X		9.0			14							1					
995+60	R	RSFO	M3-4P	24	X	12															2.0													REMOVE all panels, REPLACE as shown here
			M1-1 (90)	24	X	24															3.2													
			M6-3P	21	X	15															2.2													
			M3-2P	24	X	12															2.0													
			M1-1 (90)	24	X	24															3.2													
			M6-1PR	21	X	15															2.2													
996+10	L	NEW	M3-2P	24	X	12				10.0	4" Treated Wood Pole		5.0	3.0	10.6						2.0		12												
			M1-1 (90)	24	X	24															3.2													
			M6-1PL	21	X	15															2.2													
996+30	L	RSFO	G8-3L	90	X	24																15.0												
996+70	R	RSFO	G8-4L	126	X	24																21.0												
996+80	L	RSFO	G9-4	126	X	42																36.8												
996+86	R	REPLACE	R3-1	36	X	36				10.0	5" Treated Wood Pole		5.0	3.5	13.4				X		9.0			14							1					

SHEET NO.
S13

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY: L MOREY 03/2026
REVIEWED BY: N THOLT 03/2026
CHECKED BY: N STYREN 03/2026

MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS											SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
								FEET		FEET									PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
996+86	L	RSFO	M3-2P	24 X 12															2.0														REMOVE all panels, REPLACE as shown here
			M1-1 (90)	24 X 24															3.2														
			M6-3P	21 X 15															2.2														
			M3-4P	24 X 12															2.0														
			M1-1 (90)	24 X 24															3.2														
			M6-1PL	21 X 15															2.2														
996+86	R	NEW	M3-4P	24 X 12				10.0	4" Treated Wood Pole		5.0	3.0	10.6						2.0		12												
			M1-1 (90)	24 X 24															3.2														
			M6-1PR	21 X 15															2.2														
998+85	L	REPLACE	R3-2	36 X 36				10.0	5" Treated Wood Pole		5.0	3.5	13.4				X		9.0			14						1					
999+10	R	REPLACE	R1-1	48 X 48				6.0	4" Treated Wood Pole		5.0	3.0	13.3						13.3		14							1					
I-90 De Borgia Eastbound On Ramp - Ramp C-3 on IM 90-1(164)19 As-Builts																																	
994+80	R	REPLACE	LA-1 MT	24 X 12				7.0	2.0lb Steel U Post		4.0	3.0	9.3						2.0							19		1					
994+90	R	REPLACE	D13-3	48 X 30				10.0	4" Treated Wood Pole	2.4	7.0	3.0	14.3	14.7					10.0		32								1				
I-90 De Borgia Eastbound Off Ramp - Ramp C-4 on IM 90-1(193)16 As-Builts																																	
988+50	R	RSFO	W3-1	48 X 48															16.0														
990+50	L	REPLACE	R5-1a	42 X 30				10.0	4" Treated Wood Pole		4.0	3.0	11.5						8.8		12							1					

SHEET NO.
S14

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY: L MOREY 03/2026
REVIEWED BY: N THOLT 03/2026
CHECKED BY: N STYREN 03/2026

MONTANA Department of Transportation

SIGNING PLANS

6/26/2026 1:42 PM

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
								FEET		FEET								PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
990+50	R	RSFO	D1-1-D9-18L	102 X 54															38.3													De Borgia
			R5-1a	42 X 30														8.8														WRONG WAY	MBB with main panel
993+20	R	REPLACE	LA-2 MT	24 X 12				7.0	2.0lb Steel U Post		4.0	3.0	9.3					2.0								19		1				LEAVING CONTROLLED ACCESS HIGHWAY	
993+50	R	REPLACE	R1-1	48 X 48				6.0	5" Treated Wood Pole		7.0	3.5	15.8				X		13.3			16						1				STOP	
993+75	L	REPLACE	R6-1L	48 X 18		BBR		10.0	4.0" Tubular Stl-Round		4.0	3.0	11.6				■		6.0					125			1	1				ONE WAY	MBB with R6-1R
			R6-1R	48 X 18		BBR													6.0													ONE WAY	MBB with R6-1L
			R5-1	48 X 48		BBR													16.0													DO NOT ENTER	
993+75	R	REPLACE	R6-1L	48 X 18		BBR		10.0	4.0" Tubular Stl-Round		4.0	3.0	11.6				■		6.0					125			1	1				ONE WAY	MBB with R6-1R
			R6-1R	48 X 18		BBR													6.0													ONE WAY	MBB with R6-1L
			R5-1	48 X 48		BBR													16.0													DO NOT ENTER	

SHEET NO.
S15

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 1068300

DESIGNED BY		REVIEWED BY		CHECKED BY	
L MOREY	03/2026	N THOLT	03/2026	N STYREN	03/2026

1068300SIUM001.DWG

MONTANA
Department of Transportation

SIGNING PLANS

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AWARD COPY

SIGN LOCATION			PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES														ADDITIONAL INFORMATION	
									FEET			FEET							PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W	X	H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
I-90 Mainline - Stationing from IM 90-1(164)19 As-Builts																																	
997+70	L WB	REPLACE	D10-5 (19)	12 X 36						6.0	2.0lb Steel U Post		4.0	3.0	11.1					BGR	3.0							23		1				
997+70	R EB	REPLACE	D10-5 (19)	12 X 36						6.0	2.0lb Steel U Post		4.0	3.0	11.1					BGR	3.0							23		1				
1003+00	L WB	RSFO	EG-18	78 X 60																		32.5											
1010+00	L WB	RSFO	E1-5P (18)	114 X 30		2 AIR																23.8						74					
			G5-4	120 X 72																		60.0											
1020+50	R EB	REPLACE	M3-2P	36 X 18						20.0	3.5" Tubular Stl-Round		7.0	3.0	15.2				■		4.5					139				1	1			
			M1-1 (90)	36 X 36																	7.2											
1028+75	R EB	RSFO	R2-1 (70)	48 X 60																		20.0											
			R2-2P (65)	48 X 36																		12.0											
1033+25	M WB	REPLACE	R5-11	30 X 24						10.0	4" Treated Wood Pole		7.0	3.0	13.9						5.0		14							1				
1033+75	M EB	REPLACE	R5-11	30 X 24						10.0	4" Treated Wood Pole		7.0	3.0	13.9						5.0		14							1				
1039+00	R EB	REPLACE	G11-204	120 X 48						20.0	S4x7.7 Structural Steel	6.0	5.0	3.5	12.7	13.7			■			40.0						203		2		1		

SHEET NO.
S16

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY	DATE	REVIEWED BY	DATE	CHECKED BY	DATE
L MOREY	03/2026	N THOLT	03/2026	N STYREN	03/2026

MONTANA
Department of Transportation

SIGNING PLANS

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS											SIGN ASSEMBLY QUANTITIES													ADDITIONAL INFORMATION	
								FEET		FEET									PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
1050+80	R EB	REPLACE	D10-5 (20)	12 X 36				6.0	2.0lb Steel U Post		4.0	3.0	11.1						3.0							23		1					
1050+80	L WB	REPLACE	D10-5 (20)	12 X 36				6.0	2.0lb Steel U Post		4.0	3.0	11.1						3.0							23		1					
1053+00	L WB	REMOVE GUIDE	IS21-2																										1				
1059+00	L WB	RSFO	E1-5P (18)	114 X 30		2 AIR														23.8						74							
			G3-4	144 X 66																66.0													
			D9-8	30 X 30															6.3														Mount on X post
			D9-9	30 X 30															6.3														Mount on Y post
1085+00	R EB	RSFO	E1-5P (22)	114 X 30													BGR			23.8													
			G3-5	150 X 66																68.8													
1091+00	R EB	RSFO	W99	132 X 54													BGR			49.5													
1103+20	R EB	REPLACE	D10-5 (21)	12 X 36				6.0	2.0lb Steel U Post		4.0	3.0	11.1						3.0							23		1					
1103+20	L WB	REPLACE	D10-5 (21)	12 X 36				6.0	2.0lb Steel U Post		4.0	3.0	11.1						3.0							23		1					
1113+00	L WB	REPLACE	G11-3	132 X 36				20.0	S4x7.7 Structural Steel	6.6	7.0	3.5	13.7	14.8						33.0						220		2		1			
1118+50	L WB	RSFO	W11-3	48 X 48															16.0														
			W16-3aP	36 X 18															4.5														

SHEET NO.
S17

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY	DATE	REVIEWED BY	DATE	CHECKED BY	DATE
L MOREY	03/2026	N THOLT	03/2026	N STYREN	03/2026

MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS											SIGN ASSEMBLY QUANTITIES													ADDITIONAL INFORMATION	
								FEET		FEET									PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	SUPPORT LENGTH (ESTIMATED) Y	SUPPORT LENGTH (ESTIMATED) Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
1125+00	L WB	RSFO	R2-1 (70)	48 X 60																20.0												
			R2-2P (65)	48 X 36																12.0												
1133+00	L WB	REPLACE	M3-4P	36 X 18				20.0	3.5" Tubular Stl-Round		7.0	3.0	15.2				■		4.5					139			1	1				
			M1-1 (90)	36 X 36															7.2													
1140+30	R EB	RSFO	E1-5P (22)	114 X 30		2 AIR														23.8						74						
			G5-5	138 X 72																69.0												
			D9-3	30 X 30															6.3													Mount on X post
1141+30	R EB	USE AS IS																														
98+87	L WB	REPLACE	R5-11	30 X 24				10.0	4" Treated Wood Pole		7.0	3.0	13.9						5.0		14							1					
99+50	R EB	REPLACE	R5-11	30 X 24				10.0	4" Treated Wood Pole		7.0	3.0	13.9						5.0		14							1					
108+10	GORE EB	NEW	E5-1a (22)	78 X 60				5.0	S4x7.7 Structural Steel	3.9	7.0	3.5	13.1	13.7			■			32.5					206		2						
109+20	R EB	RSFO	W8-13	48 X 48															16.0													Hinged sign
113+00	R EB	REPLACE	D10-5 (22)	12 X 36				6.0	2.0lb Steel U Post		4.0	3.0	11.1						3.0							23		1					
113+00	L WB	REPLACE	D10-5 (22)	12 X 36				6.0	2.0lb Steel U Post		4.0	3.0	11.1						3.0							23		1					
119+20	L WB	RSFO	W8-13	48 X 48															16.0													

SHEET NO.
S18

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY	DATE	REVIEWED BY	DATE	CHECKED BY	DATE
L.MOREY	03/2026	N.THOLT	03/2026	N.STYREN	03/2026

MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION			PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES														ADDITIONAL INFORMATION	
									FEET		FEET								PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W	X	H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
I-90 Henderson Westbound On Ramp - Ramp H-1 on IM 90-1(164)19 As Builts																																
112+00	L	REPLACE	D13-3	48	X	30				10.0	4" Treated Wood Pole	2.4	7.0	3.0	14.3	14.7					10.0		32									1			FREEWAY ENTRANCE	
113+30	L	REPLACE	LA-1 MT	24	X	12				7.0	2.0lb Steel U Post		4.0	3.0	9.3						2.0								19		1				ENTERING CONTROLLED ACCESS HIGHWAY	
I-90 Henderson Westbound Off Ramp - Ramp H-2 on IM 90-1(164)19 As Builts																																
114+00	L	NEW	R6-1L	48	X	18		BBR		10.0	4.0" Tubular Stl-Round		4.0	3.0	11.6				■		6.0					125				1				ONE WAY	MBB with R6-1R
			R6-1R	48	X	18		BBR													6.0												ONE WAY	MBB with R6-1L
			R5-1	48	X	48		BBR													16.0												DO NOT ENTER	
114+00	R	REPLACE	R6-1L	48	X	18		BBR		10.0	4.0" Tubular Stl-Round		4.0	3.0	11.6				■		6.0					125				1	1			ONE WAY	MBB with R6-1R
			R6-1R	48	X	18		BBR													6.0												ONE WAY	MBB with R6-1L
			R5-1	48	X	48		BBR													16.0												DO NOT ENTER	
114+00	L	REPLACE	R1-1	48	X	48				6.0	4" Treated Wood Pole		5.0	3.0	13.3						13.3		14								1			STOP	
114+80	L	REPLACE	LA-2 MT	24	X	12				7.0	2.0lb Steel U Post		4.0	3.0	9.3						2.0								19		1				LEAVING CONTROLLED ACCESS HIGHWAY	
117+00	R	REPLACE	R5-1a	42	X	30				10.0	4" Treated Wood Pole		4.0	3.0	11.5						8.8		12								1			WRONG WAY	

SHEET NO. S19

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY		REVIEWED BY		CHECKED BY	
L.MOREY	03/2026	N.THOLT	03/2026	N.STYREN	03/2026

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MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES													ADDITIONAL INFORMATION	
								FEET		FEET								PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
117+00	L	RSFO	G13-12	108 X 42															31.5												Camels Hump Road →	
			D9-3	24 X 24														4.0														Mount on X post
			M6-1PR	21 X 15														2.2														Mount on X post
			R5-1a	42 X 30														8.8													WRONG WAY	
119+00	L	RSFO	W3-1	48 X 48														16.0														
I-90 Henderson Crossroad - Stationing from IM 90-1(164)19 As Builts																																
12+00	R	RSFO	G9-2	120 X 42															35.0												Coeur d'Alene Missoula	
12+93	R	REPLACE	R3-2	36 X 36				10.0	5" Treated Wood Pole		5.0	3.5	13.4				X		9.0			14						1				
13+95	R	RSFO	M3-4P	24 X 12														2.0													WEST	
			M1-1 (90)	24 X 24														3.2													90	
			M6-3P	21 X 15														2.2														
			M3-2P	24 X 12														2.0													EAST	
			M1-1 (90)	24 X 24														3.2													90	
			M6-1PR	21 X 15														2.2														
			M3-2P	24 X 12														2.0													EAST	
			M1-1 (90)	24 X 24														3.2													90	
			M6-1PL	21 X 15														2.2														

SHEET NO.
S20

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY	REVIEWED BY	CHECKED BY
L.MOREY 03/2026	N.THOLT 03/2026	N.STYREN 03/2026

MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS											SIGN ASSEMBLY QUANTITIES													ADDITIONAL INFORMATION	
								FEET		FEET									PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	SUPPORT LENGTH (ESTIMATED) Y	SUPPORT LENGTH (ESTIMATED) Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
14+45	R	RSFO	G8-4L	126 X 24																21.0												
15+75	L	RSFO	G8-3L	90 X 24																15.0												
16+48	R	REMOVE SIGN	M3-4P																									1				
			M1-1 (90)																													
			M6-1PL																													
16+75	L	REPLACE	M3-4P	24 X 12				10.0	4" Treated Wood Pole		5.0	3.0	14.3						2.0		16							1					Faces S
			M1-1 (90)	24 X 24															3.2													
			M6-1PL	21 X 15															2.2													
			M3-2P	24 X 12															2.0													Faces N
			M1-1(90)	24 X 24															3.2													
			M6-3P	21 X 15															2.2													
16+75	R	REPLACE	R3-1	36 X 36				10.0	5" Treated Wood Pole		5.0	3.5	13.4				X		9.0			14						1					
17+75	L	REPLACE	R3-2	36 X 36				10.0	5" Treated Wood Pole		5.0	3.5	13.4				X		9.0			14						1					

SHEET NO.
S21

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY: L MOREY 03/2026
REVIEWED BY: N THOLT 03/2026
CHECKED BY: N STYREN 03/2026

MONTANA Department of Transportation

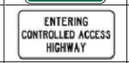
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AWARD COPY

SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS											SIGN ASSEMBLY QUANTITIES													ADDITIONAL INFORMATION	
								FEET				FEET							PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W	X	H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
18+75	L	REPLACE	M3-2P	24	X	12				10.0	5" Treated Wood Pole		5.0	3.5	14.8				X		2.0			16							1				
			M1-1 (90)	24	X	24															3.2												
			M6-3P	21	X	15															2.2												
			M3-4P	24	X	12															2.0												
			M1-1 (90)	24	X	24															3.2												
			M6-1PR	21	X	15															2.2												
19+75	L	RSFO	G9-4	126	X	42																36.8												
I-90 Eastbound On Ramp - Ramp H-3 on IM 90-1(164)19 As-Builts																																			
115+50	R	NEW	D13-3	48	X	30				10.0	4" Treated Wood Pole	2.4	7.0	3.0	14.3	14.7					10.0		32											
115+60	R	REPLACE	LA-1 MT	24	X	12				7.0	2.0lb Steel U Post		4.0	3.0	9.3						2.0								19		1			
I-90 Eastbound Off Ramp - Ramp H-4 on IM 90-1(164)19 As-Builts																																			
107+50	R	RSFO	W3-1	48	X	48															16.0												
109+50	L	REPLACE	R5-1a	42	X	30				10.0	4" Treated Wood Pole		5.0	3.0	12.5						8.8		14								1				

SHEET NO.
S22

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY		DATE	REVIEWED BY		DATE	CHECKED BY		DATE
L.MOREY		03/2026	N.THOLT		03/2026	N.STYREN		03/2026

MONTANA
Department of Transportation

SIGNING PLANS

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS											SIGN ASSEMBLY QUANTITIES													ADDITIONAL INFORMATION	
								FEET		FEET									PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
109+50	R	RSFO	G13-11	108 X 42																31.5												
			D9-3	24 X 24															4.0													Mount on X post
			M6-1PL	21 X 15															2.2													Mount on X post
			R5-1a	42 X 30															8.8													
111+25	R	REPLACE	LA-2 MT	24 X 12				7.0	2.0lb Steel U Post		4.0	3.0	9.3						2.0							19		1					
112+30	R	REPLACE	R1-1	48 X 48				6.0	4" Treated Wood Pole		5.0	3.0	13.3						13.3		14							1					
112+63	R	NEW	R6-1L	48 X 18		BBR		10.0	4.0" Tubular Stl-Round		4.0	3.0	11.6				■		6.0					125				1					
			R6-1R	48 X 18		BBR													6.0														
			R5-1	48 X 48		BBR													16.0														
112+63	L	REPLACE	R6-1L	48 X 18		BBR		10.0	4.0" Tubular Stl-Round		4.0	3.0	11.6				■		6.0					125				1	1				
			R6-1R	48 X 18		BBR													6.0														
			R5-1	48 X 48		BBR													16.0														























SHEET NO.
S23

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY: L MOREY 03/2026
REVIEWED BY: N THOLT 03/2026
CHECKED BY: N STYREN 03/2026

MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION			PANEL SPECIFICATIONS						SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES													ADDITIONAL INFORMATION	
									FEET		FEET								PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W	X	H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
I-90 Mainline - Stationing from IM 90-1(164)19																																
121+00	GORE WB	RSFO	E5-1a (22)	78	X	60																32.5											EXIT 22	
129+00	L WB	NEW	E1-5P (22)	114	X	30		2 AIR		20.0	W8x18 Structural Steel	5.7	7.0	5.5	20.9	22.0			■			23.8						921		2				EXIT 22	
			G5-5	138	X	72																69.0											Henderson	
			D9-3	30	X	30															6.3												
136+00	R EB	USE AS IS																		BGR												ALL TRUCKS REDUCE SPEED NEXT 4 MILES	Existing sign installed 2021
141+00	R EB	REPLACE	M3-2P	36	X	18				5.0	5" Treated Wood Pole		7.0	3.5	16.2					BGR	4.5			18					1				EAST	
			M1-1 (90)	36	X	36															7.2											90	
151+50	R EB	REPLACE	W1-13L	48	X	48				5.0	4.0" Tubular Stl-Round		8.6	3.0	15.3					BGR	16.0						204			1				
			W13-1P (45)	30	X	30															6.3											45 MPH	
153+80	R EB	REPLACE	W1-8L	36	X	48	FY			5.0	5" Treated Wood Pole		7.0	3.5	15.8					BGR	12.0			16					1					
153+80	M WB	RSFO	W1-8R	24	X	30	FY														5.0												
155+00	OH	RSFO	W1-5L	48	X	48	FY													BGR	16.0												
			W7-3aP (4)	36	X	30	FY														7.5											NEXT 4 MILES	

SHEET NO.
S24

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY		REVIEWED BY		CHECKED BY	
L MOREY	03/2026	N THOLT	03/2026	N STYREN	03/2026

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MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
								FEET		FEET								PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W	X	H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
155+20	R EB	REPLACE	W1-8L	36	X	48	FY			5.0	5" Treated Wood Pole		7.0	3.5	15.6					BGR	12.0			16								1					
155+20	M WB	RSFO	W1-8R	24	X	30	FY														5.0														
157+20	R EB	REPLACE	W1-8L	36	X	48	FY			5.0	5" Treated Wood Pole		7.0	3.5	15.6					BGR	12.0			16								1					
157+20	M WB	RSFO	W1-8R	24	X	30	FY														5.0														
159+50	R EB	RSFO	W23-3	174	X	84									8.8							101.5													
160+20	R EB	REPLACE	W1-8L	36	X	48	FY			5.0	5" Treated Wood Pole		7.0	3.5	15.6					BGR	12.0			16								1					
160+20	M WB	RSFO	W1-8R	24	X	30	FY														5.0														
161+00	R EB	RSFO	G11-205	102	X	48									5.1							34.0													
162+00	R EB	REPLACE	W1-8L	36	X	48	FY			5.0	5" Treated Wood Pole		7.0	3.5	15.6					BGR	12.0			16								1					
162+00	M WB	RSFO	W1-8R	24	X	30	FY														5.0														
162+75	R EB	REPLACE	W8-13	48	X	48				5.0	6" Treated Wood Pole		7.0	4.5	18.8					BGR	16.0				20							1					
166+20	L WB	REPLACE	W1-4R	36	X	36	FY			5.0	6" Treated Wood Pole		8.6	4.5	18.9					BGR	9.0				20							1					
			W13-1P (45)	30	X	30	FY														6.3														
166+40	L WB	REPLACE	D10-5 (23)	12	X	36				6.0	2.0lb Steel U Post		4.0	3.0	12.2					BGR	3.0								25			1					
166+40	R EB	REPLACE	D10-5 (23)	12	X	36				6.0	2.0lb Steel U Post		4.0	3.0	12.2					BGR	3.0								25			1					
167+20	R EB	REPLACE	W1-2R	36	X	36	FY			5.0	6" Treated Wood Pole		8.6	4.5	18.9					BGR	9.0				20							1					
			W13-1P (45)	30	X	30	FY														6.3														

SHEET NO.
S25

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY		REVIEWED BY		CHECKED BY	
L MOREY	03/2026	N THOLT	03/2026	N STYREN	03/2026

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MONTANA
Department of Transportation

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
								FEET		FEET								PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W	X	H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
170+00	M EB	RSFO	W1-8R	24 X 30			FY														5.0													
172+00	M EB	RSFO	W1-8R	24 X 30			FY														5.0													
172+00	L WB	REPLACE	W1-8L	36 X 48			FY			5.0	5" Treated Wood Pole		7.0	3.5	16.1					BGR	12.0			18							1				
173+50	M EB	RSFO	W1-8R	24 X 30			FY														5.0													
173+50	L WB	REPLACE	W1-8L	36 X 48			FY			5.0	5" Treated Wood Pole		7.0	3.5	16.1					BGR	12.0			18							1				
175+00	M EB	RSFO	W1-8R	24 X 30			FY														5.0													
175+00	L WB	REPLACE	W1-8L	36 X 48			FY			10.0	5" Treated Wood Pole		7.0	3.5	17.4				X		12.0			18							1				
176+00	M EB	RSFO	W1-8R	24 X 30			FY														5.0													
176+00	L WB	REPLACE	W1-8L	36 X 48			FY			5.0	5" Treated Wood Pole		7.0	3.5	16.1					BGR	12.0			18							1				
177+00	M EB	RSFO	W1-8R	24 X 30			FY														5.0													
177+00	L WB	REPLACE	W1-8L	36 X 48			FY			5.0	5" Treated Wood Pole		7.0	3.5					X		12.0										1				
178+00	L WB	RSFO	W8-13	48 X 48			FY														16.0													
178+00	R EB	RSFO	W8-13	48 X 48			FY														16.0													
178+80	L WB	RSFO	E1-5P (22)	114 X 30				2 AIR														23.8												
			G3-5	150 X 66																		68.8												
			D9-3	30 X 30																	6.3													
179+00	M EB	RSFO	W1-8L	24 X 30			FY														5.0													
179+00	L WB	REPLACE	W1-8R	36 X 48			FY			5.0	5" Treated Wood Pole		7.0	3.5	16.1					BGR	12.0			18							1				
180+20	M EB	RSFO	W1-8L	24 X 30			FY														5.0													
180+20	L WB	REPLACE	W1-8R	36 X 48			FY			5.0	5" Treated Wood Pole		7.0	3.5	16.1					BGR	12.0			18							1				

SHEET NO.
S26

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY		REVIEWED BY		CHECKED BY	
L MOREY	03/2026	N THOLT	03/2026	N STYREN	03/2026

MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES													ADDITIONAL INFORMATION	
								FEET		FEET								PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W	X	H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
181+20	M EB	RSFO	W1-8R	24 X	30	FY												5.0														
182+40	M EB	RSFO	W1-8R	24 X	30	FY												5.0														
184+50	L WB	REPLACE	W1-2L	36 X	36	FY				10.0	3.5" Tubular Stl-Round		8.6	3.0	14.7				■		9.0					134				1	1				
			W13-1P (45)	30 X	30	FY												6.3														
																	PROJECT TOTALS	1831.3	2780.7	536	492	60	2783		6250	600	38	107	11				

SHEET NO.
S27

SIGN LOCATIONS AND SPECIFICATIONS

MONTANA
Department of Transportation

SIGNING PLANS

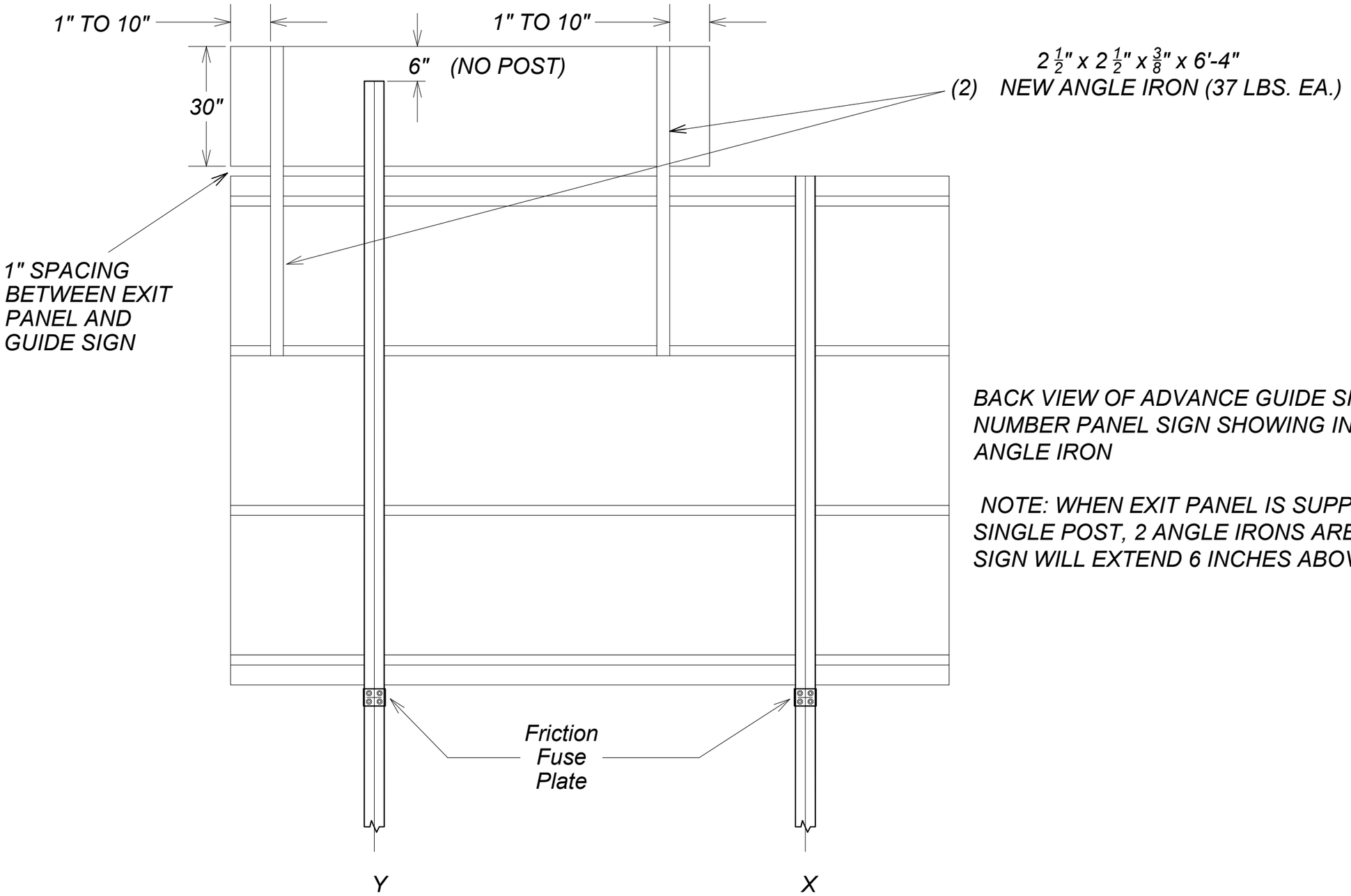
DESIGNED BY		PROJECT NAME	DEBORGIA - E & W
L MOREY	03/2026	COUNTY	MINERAL
REVIEWED BY			
N THOLT	03/2026	PROJECT ID	IM 90-1(258)15
CHECKED BY		UPN	10683000
N STYREN	03/2026		

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GUIDE SIGN WITH EXIT PANEL ANGLE IRON DETAIL - RSFO REPLACING 24" WITH 30" EXIT PANEL

NO SCALE



BACK VIEW OF ADVANCE GUIDE SIGN WITH EXIT NUMBER PANEL SIGN SHOWING INSTALLATION OF ANGLE IRON

NOTE: WHEN EXIT PANEL IS SUPPORTED BY A SINGLE POST, 2 ANGLE IRONS ARE REQUIRED. SIGN WILL EXTEND 6 INCHES ABOVE SUPPORTS

SHEET NO.
S28

DETAIL

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY	L.MOREY	03/2026
REVIEWED BY	N.THOLT	03/2026
CHECKED BY	N.STYREN	03/2026

MONTANA Department of Transportation

SIGNING PLANS

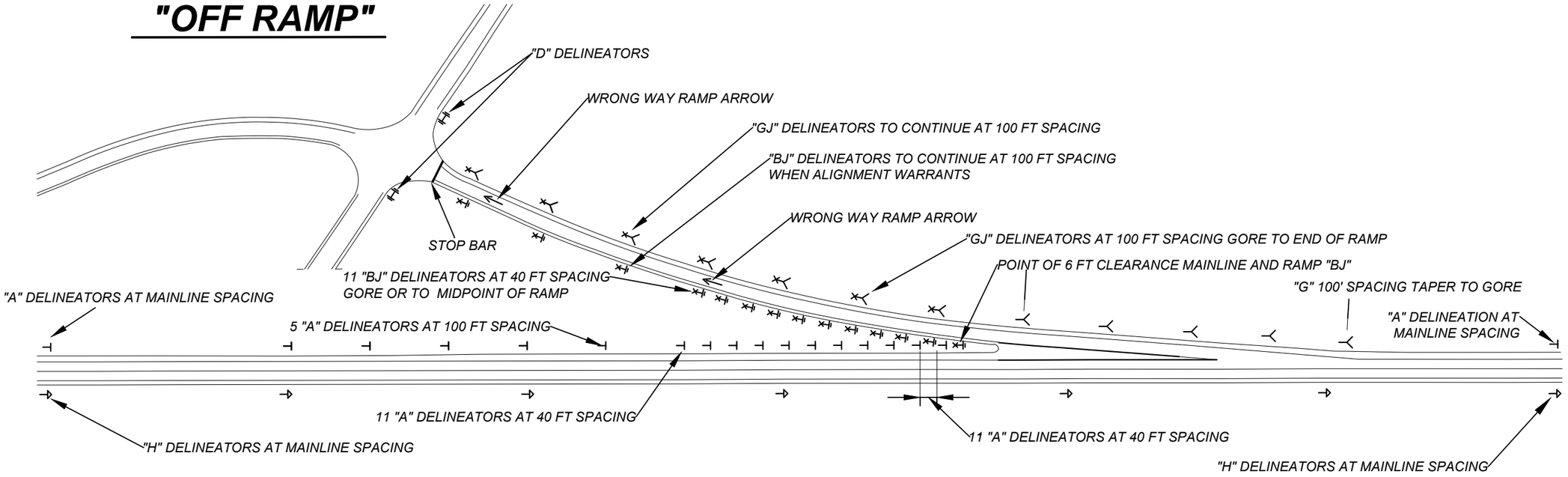
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RAMP DELINEATION DETAIL

"OFF RAMP"

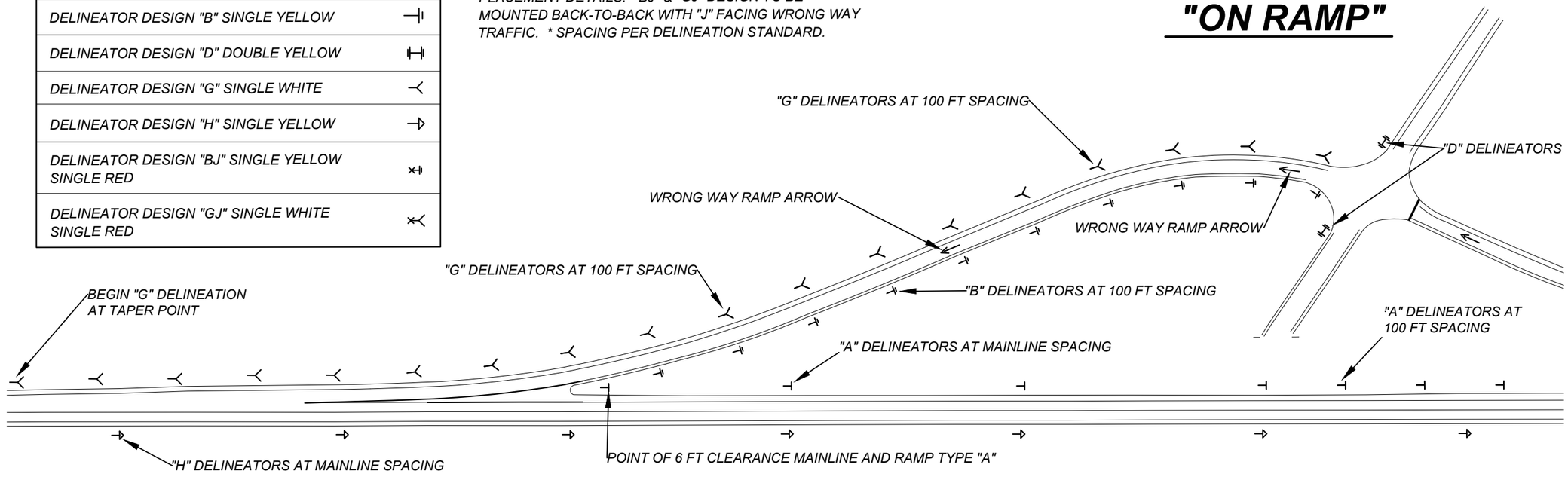


LEGEND

DELINEATOR DESIGN "A" SINGLE WHITE	⊣
DELINEATOR DESIGN "B" SINGLE YELLOW	⊣
DELINEATOR DESIGN "D" DOUBLE YELLOW	⊣⊣
DELINEATOR DESIGN "G" SINGLE WHITE	⊣
DELINEATOR DESIGN "H" SINGLE YELLOW	⊣
DELINEATOR DESIGN "BJ" SINGLE YELLOW SINGLE RED	⊣
DELINEATOR DESIGN "GJ" SINGLE WHITE SINGLE RED	⊣

NOTE: ALL DELINEATORS AT 6 FT CLEARANCE FROM EDGE OF PAVEMENT. SEE DETAILED DRAWING 619-34 FOR DELINEATOR DETAILS & 619-36 FOR DELINEATOR PLACEMENT DETAILS. "BJ" & "GJ" DESIGN TO BE MOUNTED BACK-TO-BACK WITH "J" FACING WRONG WAY TRAFFIC. * SPACING PER DELINEATION STANDARD.

"ON RAMP"



SHEET NO.
S29

DETAIL

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY	03/2026	REVIEWED BY	03/2026	CHECKED BY	03/2026	10683000SISUM002.DWG	
L.MOREY		N.THOLT		N.STYREN			

MONTANA
Department of Transportation

SIGNING PLANS

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CONCRETE BARRIER CHEVRON MOUNTING DETAIL

NO SCALE

GENERAL NOTES:

ALL BARRIER RAIL MOUNTED CHEVRONS MUST BE 2'-0" X 2'-6" IN SIZE.

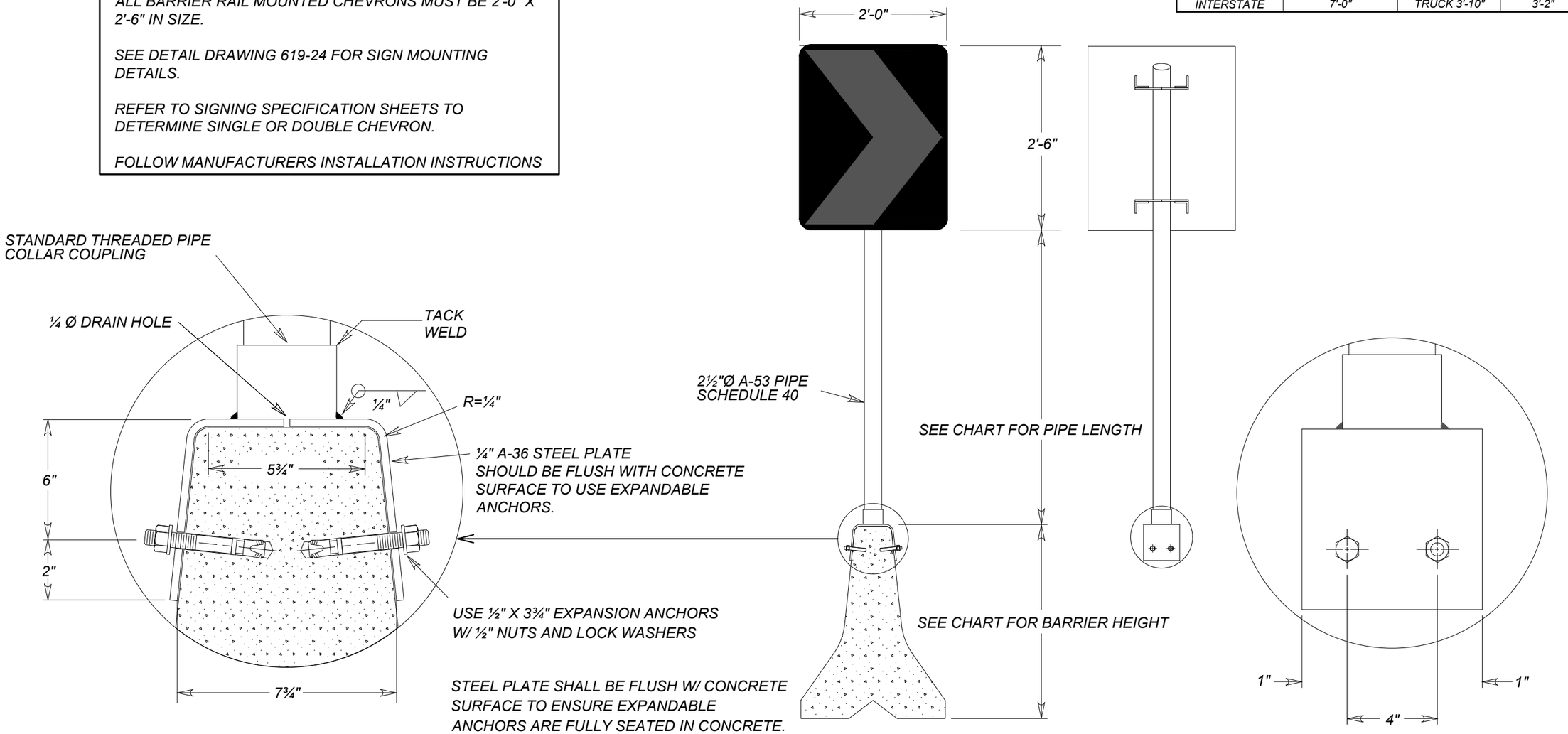
SEE DETAIL DRAWING 619-24 FOR SIGN MOUNTING DETAILS.

REFER TO SIGNING SPECIFICATION SHEETS TO DETERMINE SINGLE OR DOUBLE CHEVRON.

FOLLOW MANUFACTURERS INSTALLATION INSTRUCTIONS

INSTALLATION REQUIREMENTS

HWY SYSTEM	MOUNTING HEIGHT	BARRIER HEIGHT	PIPE LENGTH
NON-INTERSTATE	5'-0"	STANDARD 2'-8"	2'-4"
NON-INTERSTATE	5'-0"	TRUCK 3'-10"	1'-2"
INTERSTATE	7'-0"	STANDARD 2'-8"	4'-4"
INTERSTATE	7'-0"	TRUCK 3'-10"	3'-2"



SHEET NO.
S30

DETAIL

PROJECT NAME: DEBORGIA - E & W
COUNTY: MINERAL
PROJECT ID: IM 90-1(258)15
UPN: 10683000

DESIGNED BY	L.MOREY	03/2026
REVIEWED BY	N.THOLT	03/2026
CHECKED BY	N.STYREN	03/2026

10683000SISUM002.DWG

MONTANA
Department of Transportation

SIGNING PLANS

5/12/2026 3:30 PM