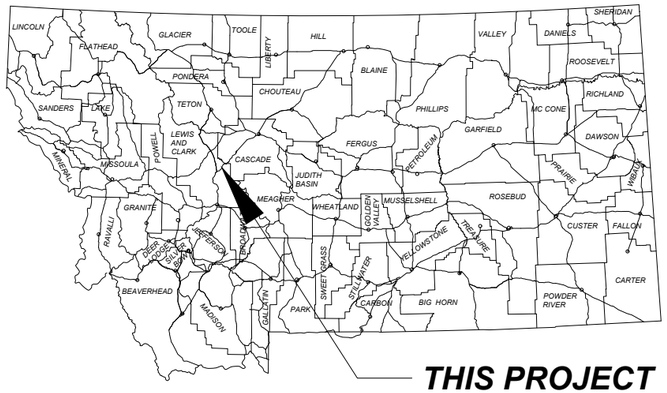
AWARD COPY



MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT IM 15-4(178)229
CRACK SEAL & SEAL AND COVER, BRIDGE DECK CRACK SEAL
AUGUSTA INTERCHANGE-NORTHEAST
LEWIS & CLARK COUNTY

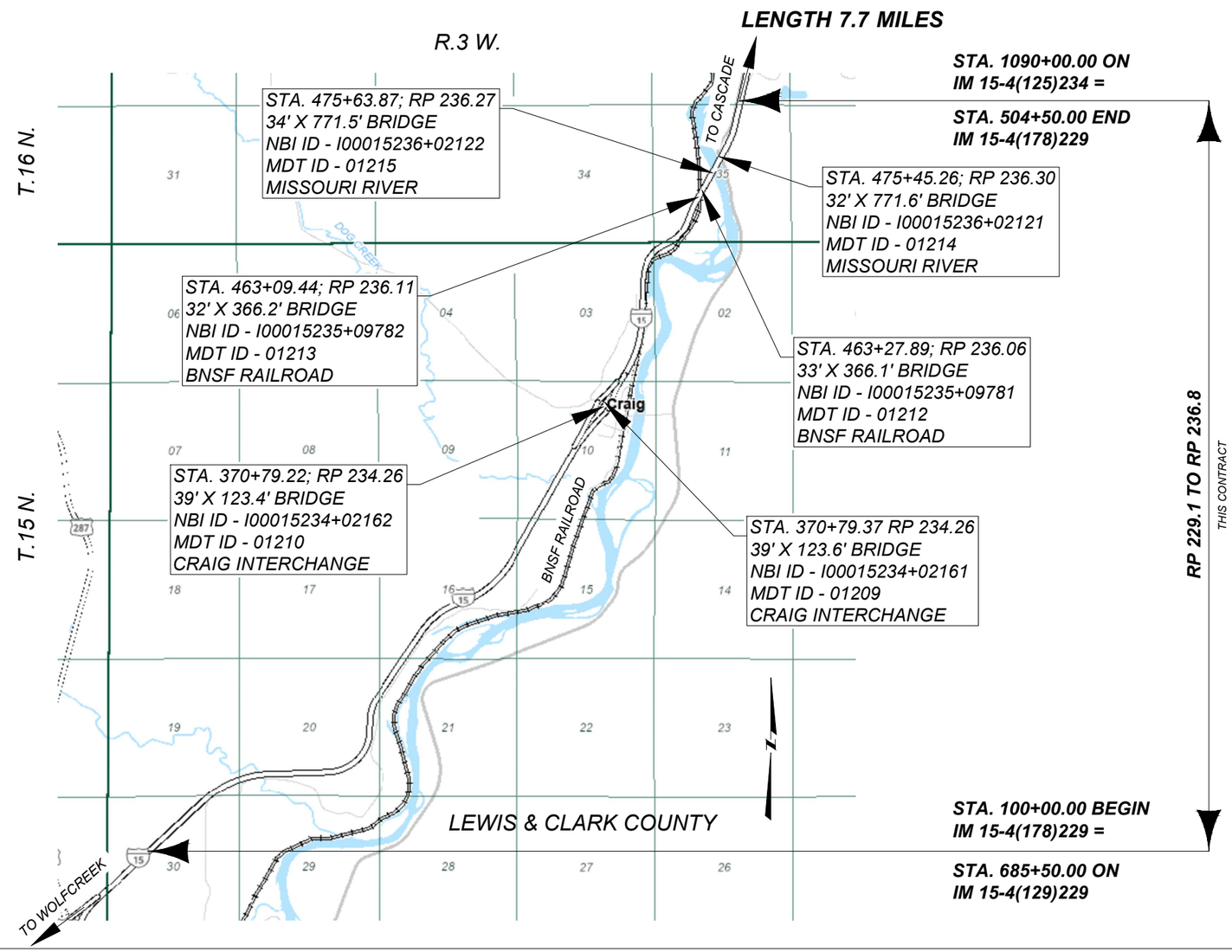
SHEET NO. 1

TITLE SHEET

PROJECT DESIGN DATA

PRESENT	2024	A.A.D.T. =	4,390
LETTING	2026	A.A.D.T. =	4,500
DESIGN	2046	A.A.D.T. =	5,830
		D.H.V. =	700
		TRUCKS =	22.2%
		V. =	50 MPH
		18 KIP ESAL'S =	505 DAILY
		ANNUAL GROWTH RATE =	1.3%

SURFACING SOURCES - CONTRACTOR FURNISHED



PROJECT NAME: AUGUSTA INTERCHANGE-NORTHEAST
COUNTY: LEWIS & CLARK
PROJECT ID: IM 15-4(178)229
UPN: 10543000

DESIGNED BY	10/06/2025
T. WHEELER	
REVIEWED BY	12/24/25
R. SNYDER	
CHECKED BY	01/06/2026
T. JOHNSON	

MONTANA Department of Transportation

ROAD PLANS

10543000RDTTL002.DWG

3/12/2026 1:07 PM

AWARD COPY

TABLE OF CONTENTS

ROAD PLANS	SHEET NO.
TITLE SHEET	1
TABLE OF CONTENTS	2
NOTES	2
TYPICAL SECTIONS	3-5
SUMMARIES	6
SURFACING	6
ADDITIONAL SURFACING	6
CRACK SEALING	6
PAVEMENT MARKINGS	6
BRIDGE QUANTITIES	6
DETAILS	7
CRAIG INTERCHANGE RAMPS	7

SIGNING PLANS	
SUMMARY	S1
SPECIFICATIONS	S2-S10
DETAILS	S11-S13
PLANS	S14-S20

NOTES

BASIS OF PLAN QUANTITIES

BITUMINOUS MATERIAL	= 8.5 LBS. PER GAL.
EMULSIFIED ASPHALT SEAL	= 0.42 GAL. PER SQ.YARD
COVER	= 25 LBS. PER SQ.YARD
CRACK SEALING	= 0.70 LBS. PER LN. FT.

AS-BUILTS

FOR ALIGNMENT AND STATIONING REFER TO AS-BUILT PROJECTS:

I-IG 15-4(26)221	1967
I 15-4(28)228	1968
IR 15-4(61)229	1986
IM 15-4(82)229	2000
IM 15-4(118)229	2006
IM 15-4(125)234	2012
IM 15-4(239)229	2013
NHPB 15-4(166)234	2021
IM 15-4(172)229	2023
IM 15-4(137)222	2025

WETLANDS

WETLANDS MAY EXIST ADJACENT TO THE ROADWAY AND MAY EXIST 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.

NOTES & TABLE OF CONTENTS

PROJECT NAME: AUGUSTA INTERCHANGE-NORTHEAST
COUNTY: LEWIS & CLARK
PROJECT ID: IM 15-4(178)229
UPN: 10543000

DESIGNED BY	
T. WHEELER	10/06/2025
REVIEWED BY	
R. SNYDER	12/24/2025
CHECKED BY	
T. JOHNSON	01/06/2026

MONTANA Department of Transportation

ROAD PLANS

10543000RDTTL002.DWG

3/12/2026 1:07 PM

AWARD COPY

TYPICAL SECTION NO. 1

MAINLINE

SOUTHBOUND SHOWN - REVERSE FOR NORTHBOUND

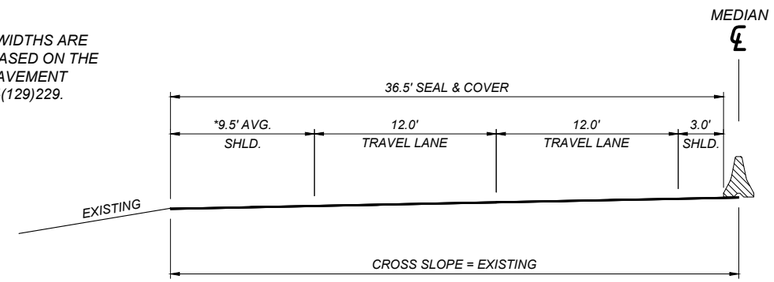
NORTHBOUND

100+00.00	TO	329+00.00	BEG. PROJ., TYP. NO. 1
329+00.00	TO	330+50.00	TRANS. TYP. NO. 1 TO TYP. NO. 2

SOUTHBOUND

100+00.00	TO	329+00.00	BEG. PROJ., TYP. NO. 1
329+00.00	TO	330+50.00	TRANS. TYP. NO. 1 TO TYP. NO. 2

* OUTSIDE SHOULDER WIDTHS ARE WEIGHTED AVERAGE BASED ON THE SURVEYED EDGE OF PAVEMENT FROM PROJECT IM 15-4(129)229.



QUANTITIES			
UNIT	AGGREGATE COVER	UNIT	BITUMINOUS MATERIAL EMULSIFIED ASPHALT SEAL
AREA square feet		square yards PER STATION	406
cubic yards PER STATION		tons PER STATION	0.72
tons PER STATION		gals. PER STATION	
square yards PER STATION	406		

TYPICAL SECTION NO. 2

MAINLINE

SOUTHBOUND SHOWN - REVERSE FOR NORTHBOUND

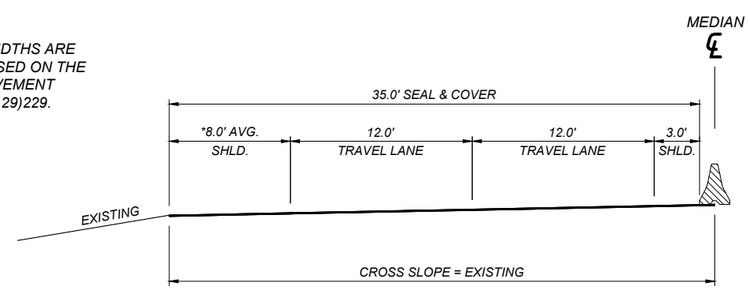
NORTHBOUND

330+50.00	TO	370+17.57 BE	TYP. NO. 2
371+41.17 BE	TO	385+82.44	TYP. NO. 2
385+82.44	TO	405+92.59	TRANS. TYP. NO. 2 TO TYP. NO. 3
465+76.13	TO	470+25.48	TYP. NO. 2
470+25.48	TO	471+59.46 BE	TRANS. TYP. NO. 2 TO TYP. NO. 4

SOUTHBOUND

330+50.00	TO	370+17.54 BE	TYP. NO. 2
371+40.90 BE	TO	385+82.44	TYP. NO. 2
385+82.44	TO	405+92.59	TRANS. TYP. NO. 2 TO TYP. NO. 3
466+32.63	TO	471+07.16	TYP. NO. 2
471+07.16	TO	471+78.10 BE	TRANS. TYP. NO. 2 TO TYP. NO. 4

* OUTSIDE SHOULDER WIDTHS ARE WEIGHTED AVERAGE BASED ON THE SURVEYED EDGE OF PAVEMENT FROM PROJECT IM 15-4(129)229.



QUANTITIES			
UNIT	AGGREGATE COVER	UNIT	BITUMINOUS MATERIAL EMULSIFIED ASPHALT SEAL
AREA square feet		square yards PER STATION	389
cubic yards PER STATION		tons PER STATION	0.69
tons PER STATION		gals. PER STATION	
square yards PER STATION	389		

SHEET NO.
3

TYPICAL SECTIONS

PROJECT NAME: AUGUSTA INTERCHANGE-NORTHEAST
COUNTY: LEWIS & CLARK
PROJECT ID: IM 15-4(178)229
UPN: 10543000

DESIGNED BY: T. WHEELER 10/15/2025
REVIEWED BY: R. SNYDER 12/24/2025
CHECKED BY: T. JOHNSON 01/06/2026

MONTANA Department of Transportation
ROAD PLANS

3/12/2026 1:07 PM
10543000RDTYP002.DWG

AWARD COPY

TYPICAL SECTION NO. 3

MAINLINE

SOUTHBOUND SHOWN - REVERSE FOR NORTHBOUND

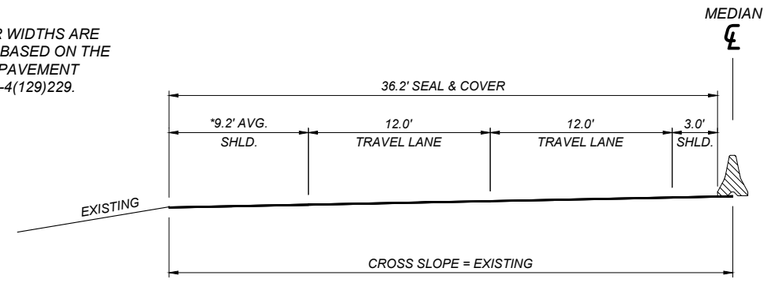
NORTHBOUND

405+92.59	TO	459+63.88		TYP. NO. 3
459+63.88	TO	461+26.39	BE	TRANS. TYP. NO. 3 TO TYP. NO. 4
480+94.16	TO	504+50.00		END PROJ., TYP. NO. 3

SOUTHBOUND

405+92.59	TO	460+88.94		TYP. NO. 3
460+88.94	TO	461+44.79	BE	TRANS. TYP. NO. 3 TO TYP. NO. 4
480+58.12	TO	504+50.00		END PROJ., TYP. NO. 3

* OUTSIDE SHOULDER WIDTHS ARE WEIGHTED AVERAGE BASED ON THE SURVEYED EDGE OF PAVEMENT FROM PROJECT IM 15-4(129)229.



QUANTITIES			
UNIT	AGGREGATE COVER	UNIT	BITUMINOUS MATERIAL EMULSIFIED ASPHALT SEAL
AREA square feet		square yards PER STATION	402
cubic yards PER STATION		tons PER STATION	0.72
tons PER STATION		gals. PER STATION	
square yards PER STATION	402		

TYPICAL SECTION NO. 4

MAINLINE

SOUTHBOUND SHOWN - REVERSE FOR NORTHBOUND

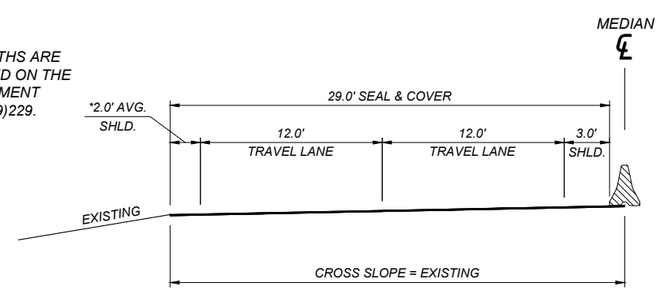
NORTHBOUND

464+92.49 BE	TO	465+76.13	TRANS. TYP. NO. 4 TO TYP. NO. 2
479+31.06 BE	TO	480+94.16	TRANS. TYP. NO. 4 TO TYP. NO. 3

SOUTHBOUND

465+10.98 BE	TO	466+32.63	TRANS. TYP. NO. 4 TO TYP. NO. 2
479+49.63 BE	TO	480+58.12	TRANS. TYP. NO. 4 TO TYP. NO. 3

* OUTSIDE SHOULDER WIDTHS ARE WEIGHTED AVERAGE BASED ON THE SURVEYED EDGE OF PAVEMENT FROM PROJECT IM 15-4(129)229.



QUANTITIES			
UNIT	AGGREGATE COVER	UNIT	BITUMINOUS MATERIAL EMULSIFIED ASPHALT SEAL
AREA square feet		square yards PER STATION	322
cubic yards PER STATION		tons PER STATION	0.57
tons PER STATION		gals. PER STATION	
square yards PER STATION	322		

SHEET NO.
4

TYPICAL SECTIONS

PROJECT NAME
AUGUSTA INTERCHANGE-NORTHEAST
COUNTY
LEWIS & CLARK
PROJECT ID
IM 15-4(178)229
UPN
10543000

DESIGNED BY T. WHEELER 10/15/2025
REVIEWED BY R. SNYDER 12/24/2025
CHECKED BY T. JOHNSON 01/06/2026
10543000RDTYP002.DWG

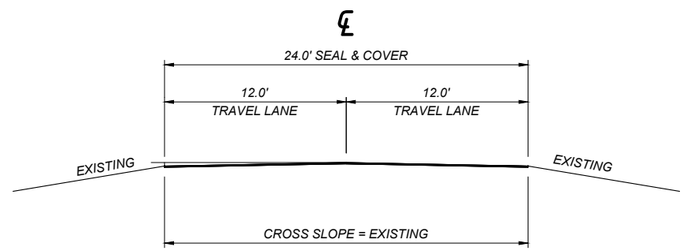
MONTANA Department of Transportation
ROAD PLANS
3/12/2026 1:07 PM

AWARD COPY

1+00.00 TO 6+00.00

TYPICAL SECTION NO. 5

A-LINE (BRIDGE STREET)



QUANTITIES			
UNIT	AGGREGATE COVER	UNIT	BITUMINOUS MATERIAL EMULSIFIED ASPHALT SEAL
AREA square feet		square yards PER STATION	267
cubic yards PER STATION		tons PER STATION	0.48
tons PER STATION		gals. PER STATION	
square yards PER STATION	267		

TYPICAL SECTION NO. 6

(CRAIG INTERCHANGE RAMPS)

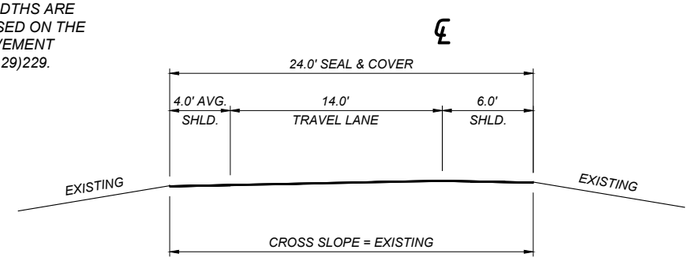
RAMP A1
358+45.13 TO 370+85.71

RAMP A2
370+96.57 TO 377+67.98

RAMP A3
370+94.15 TO 377+99.81

RAMP A4
358+14.03 TO 370+83.24

* OUTSIDE SHOULDER WIDTHS ARE WEIGHTED AVERAGE BASED ON THE SURVEYED EDGE OF PAVEMENT FROM PROJECT IM 15-4(129)229.



QUANTITIES			
UNIT	AGGREGATE COVER	UNIT	BITUMINOUS MATERIAL EMULSIFIED ASPHALT SEAL
AREA square feet		square yards PER STATION	267
cubic yards PER STATION		tons PER STATION	0.48
tons PER STATION		gals. PER STATION	
square yards PER STATION	267		

SHEET NO.
5

TYPICAL SECTIONS

PROJECT NAME: AUGUSTA INTERCHANGE-NORTHEAST
COUNTY: LEWIS & CLARK
PROJECT ID: IM 15-4(178)229
UPN: 10543000

DESIGNED BY: T. WHEELER 10/06/2025
REVIEWED BY: R. SNYDER 12/24/2025
CHECKED BY: T. JOHNSON 01/06/2026

MONTANA Department of Transportation
ROAD PLANS

3/12/2026 1:07 PM
10543000RDTYP002.DWG

SURFACING

STATION FROM	STATION TO	linear feet GROSS	linear feet NET	linear feet +	linear feet -	FOR	AGGREGATE sq. yards COVER TYPE 2	BITUMINOUS MATERIAL tons EMULSIFIED ASPHALT CHFRS - 2P	REMARKS
NORTHBOUND									
100+00.00	329+00.00	22,900.00	22,900.00				92,974	164.9	BEGIN PROJ. - TYP. NO. 1
329+00.00	330+50.00	150.00	150.00				596	1.1	TRANS. TYP. NO. 1 TO TYP. NO. 2
330+50.00	370+17.57 BE	3,967.57	3,967.57				15,434	27.4	TYP. NO. 2
370+17.57 BE	371+41.17 BE	123.60			123.60	CRAIG INTERCHANGE BRIDGE			
371+41.17 BE	385+82.44	1,441.27	1,441.27				5,607	9.9	TYP. NO. 2
385+82.44	405+92.59	2,010.15	2,010.15				7,950	14.2	TRANS. TYP. NO. 2 TO TYP. NO. 3
405+92.59	459+63.88	5,371.29	5,371.29				21,593	38.7	TYP. NO. 3
459+63.88	461+26.39 BE	162.51	162.51				588	1.0	TRANS. TYP. NO. 3 TO TYP. NO. 4
461+26.39 BE	464+92.49 BE	366.10			366.10	BNSF RAILROAD BRIDGE			
464+92.49 BE	465+76.13	83.64	83.64				297	0.5	TRANS. TYP. NO. 4 TO TYP. NO. 2
465+76.13	470+25.48	449.35	449.35				1,748	3.1	TYP. NO. 2
470+25.48	471+59.46 BE	133.98	133.98				476	0.8	TRANS. TYP. NO. 2 TO TYP. NO. 4
471+59.46 BE	479+31.06 BE	771.60			771.60	MISSOURI RIVER BRIDGE			
479+31.06 BE	480+94.16	163.10	163.10				590	1.1	TRANS. TYP. NO. 4 TO TYP. NO. 3
480+94.16	504+50.00	2,355.84	2,355.84				9,470	17.0	END PROJ. - TYP. NO. 3
SUBTOTAL		40,450.00	39,188.70	~	1,261.30		157,323	279.7	
SOUTHBOUND									
100+00.00	329+00.00	22,900.00	22,900.00				92,974	164.9	BEGIN PROJ. - TYP. NO. 1
329+00.00	330+50.00	150.00	150.00				596	1.1	TRANS. TYP. NO. 1 TO TYP. NO. 2
330+50.00	370+17.54 BE	3,967.54	3,967.54				15,434	27.4	TYP. NO. 2
370+17.54 BE	371+40.90 BE	123.36			123.36	CRAIG INTERCHANGE BRIDGE			
371+40.90 BE	385+82.44	1,441.54	1,441.54				5,608	9.9	TYP. NO. 2
385+82.44	405+92.59	2,010.15	2,010.15				7,950	14.2	TRANS. TYP. NO. 2 TO TYP. NO. 3
405+92.59	460+88.94	5,496.35	5,496.35				22,095	39.6	TYP. NO. 3
460+88.94	461+44.79 BE	55.85	55.85				202	0.4	TRANS. TYP. NO. 3 TO TYP. NO. 4
461+44.79 BE	465+10.98 BE	366.19			366.19	BNSF RAILROAD BRIDGE			
465+10.98 BE	466+32.63	121.65	121.65				432	0.8	TRANS. TYP. NO. 4 TO TYP. NO. 2
466+32.63	471+07.16	474.53	474.53				1,846	3.3	TYP. NO. 2
471+07.16	471+78.10 BE	70.94	70.94				252	0.4	TRANS. TYP. NO. 2 TO TYP. NO. 4
471+78.10 BE	479+49.63 BE	771.53			771.53	MISSOURI RIVER BRIDGE			
479+49.63 BE	480+58.12	108.49	108.49				393	0.7	TRANS. TYP. NO. 4 TO TYP. NO. 3
480+58.12	504+50.00	2,391.88	2,391.88				9,615	17.2	END PROJ. - TYP. NO. 3
SUBTOTAL		40,450.00	39,188.92	~	1,261.08		157,397	279.9	
						ADDITIONAL SURFACING	13,714	24.7	
TOTAL		80,900.00	78,377.62	~	2,522.38		328,434	584.3	

CRACK SEALING

STATION FROM	STATION TO	TRANSVERSE & LONGITUDINAL CRACK SEALING — CRACK SEALING NEW pounds	EXISTING pounds	NEW linear feet	EXISTING linear feet	REMARKS
NORTHBOUND						
100+00.00	504+50.00	26,922	432	38,460	618	RP 229.1 TO 236.8
353+83.32	370+83.24	3,767	61	5,382	87	RAMP A4
370+94.15	380+65.70	1,996	31	2,852	45	RAMP A3
CROSSROAD						
1+00.00	6+00.00	2,083	33	2,976	47	A-LINE (BRIDGE STREET)
SOUTHBOUND						
100+00.00	504+50.00	29,705	477	42,435	682	RP 229.1 TO 236.8
355+76.30	370+85.71	3,147	50	4,496	72	RAMP A1
370+96.57	381+28.23	1,151	19	1,644	27	RAMP A2
SUBTOTAL		68,772	1,104	98,245	1,577	
TOTAL		69,876		#		

FOR INFORMATION ONLY

PAVEMENT MARKINGS

ITEM	UNIT	# INTERIM APPLICATION	FINAL APPLICATION	TOTAL
STRIPING - WHITE PAINT	gallon	390		390
STRIPING - YELLOW PAINT	gallon	297		297
WORDS & SYMBOLS - WHITE PAINT	gallon	3		3
STRIPING - WHITE EPOXY	gallon		520	520
STRIPING - YELLOW EPOXY	gallon		395	395
WORDS & SYMBOLS - WHITE EPOXY	gallon		4	4
FINAL SWEEP AND BROOM	course mile			15.4

BASED ON 1 APPLICATIONS.

ADDITIONAL SURFACING (INCLUDED IN SURFACING FRAME)

STATION FROM	STATION TO	linear feet GROSS	linear feet NET	linear feet +	linear feet -	FOR	AGGREGATE sq. yards COVER TYPE 2	BITUMINOUS MATERIAL tons EMULSIFIED ASPHALT CHFRS - 2P	REMARKS
CRAIG INTERCHANGE									
353+83.32	358+14.03	430.71	430.71			CRAIG INTCH, RAMP A4	676	1.2	GORE AREA - A4 - MEASURED ON CAD
355+76.30	358+45.13	268.83	268.83			CRAIG INTCH, RAMP A1	388	0.7	GORE AREA - A1 - MEASURED ON CAD
358+14.03	370+83.24	1,269.21	1,269.21			CRAIG INTCH, RAMP A4	3,389	6.1	TYP. NO. 6
358+45.13	370+85.71	1,240.58	1,240.58			CRAIG INTCH, RAMP A1	3,312	6.0	TYP. NO. 6
370+94.15	377+99.81	705.66	705.66			CRAIG INTCH, RAMP A3	1,884	3.4	TYP. NO. 6
370+96.57	377+67.98	671.41	671.41			CRAIG INTCH, RAMP A2	1,793	3.2	TYP. NO. 6
377+67.98	381+28.23	360.25	360.25			CRAIG INTCH, RAMP A2	556	1.0	GORE AREA - A2 - MEASURED ON CAD
377+99.81	380+65.70	265.89	265.89			CRAIG INTCH, RAMP A3	381	0.7	GORE AREA - A3 - MEASURED ON CAD
1+00.00	6+00.00	500.00	500.00			CRAIG INTCH, CROSS ROAD	1,335	2.4	TYP. NO. 5, A-LINE (BRIDGE STREET)
TOTAL		~	~				13,714	24.7	

BRIDGE QUANTITIES

STATION FROM	STATION TO	sq. yards BRIDGE DECK CRACK SEAL	REMARKS
NORTHBOUND			
370+17.57 BE	371+41.17 BE	543	CRAIG INTERCHANGE BRIDGE
461+26.39 BE	464+92.49 BE	1,354	BNSF RAILROAD BRIDGE
471+59.46 BE	479+31.06 BE	2,766	MISSOURI RIVER BRIDGE
SUBTOTAL		4,663	
SOUTHBOUND			
370+17.54 BE	371+40.90 BE	543	CRAIG INTERCHANGE BRIDGE
461+44.79 BE	465+10.98 BE	1,301	BNSF RAILROAD BRIDGE
471+78.10 BE	479+49.63 BE	2,878	MISSOURI RIVER BRIDGE
SUBTOTAL		4,722	
TOTAL		9,385	

SUMMARY

PROJECT NAME: AUGUSTA INTERCHANGE-NORTHEAST
COUNTY: LEWIS & CLARK
PROJECT ID: IM 15-4(178)229
UPN: 10543000

DESIGNED BY: T. WHEELER 09/25/2025
REVIEWED BY: R. SNYDER 12/24/2025
CHECKED BY: T. JOHNSON 01/06/2026

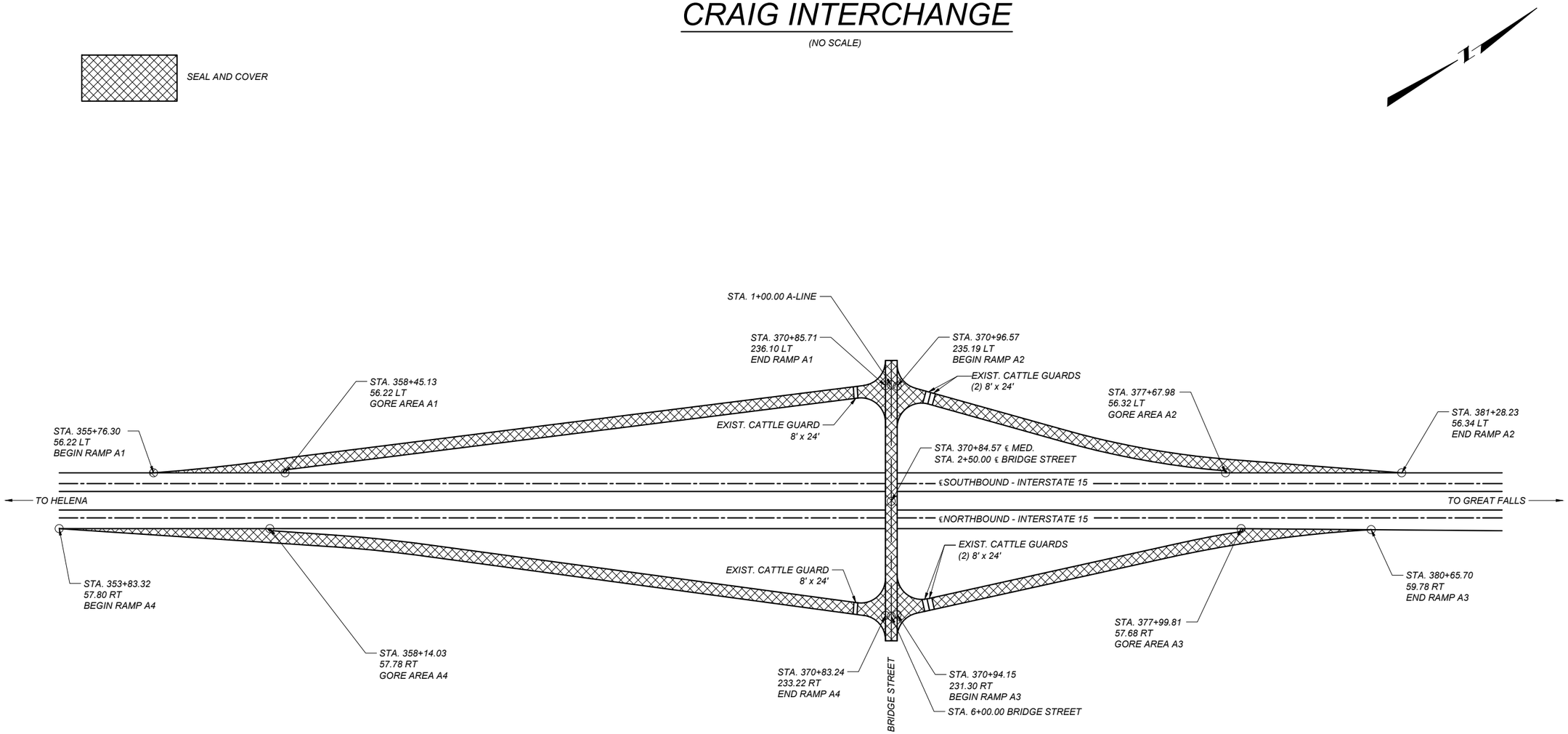
MONTANA Department of Transportation
ROAD PLANS

10543000RDSUM002.DWG
3/12/2026 1:07 PM

AWARD COPY

CRAIG INTERCHANGE

(NO SCALE)



SHEET NO.
7

CRAIG INTERCHANGE RAMPS
SEAL & COVER DETAIL

PROJECT NAME: AUGUSTA INTERCHANGE-NORTHEAST
COUNTY: LEWIS & CLARK
PROJECT ID: IM 15-4(178)229
UPN: 10543000

DESIGNED BY: T. WHEELER 10/06/2025
REVIEWED BY: R. SNYDER 12/24/2025
CHECKED BY: T. JOHNSON 01/06/2026

MONTANA Department of Transportation
ROAD PLANS

10543000RDDET001.DWG
10/6/2025 7:35 AM

NOTES AND ABBREVIATIONS:

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

EXISTING SIGNS NOT SHOWN ON PLANS OR SUMMARIES 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, ENGINEERING PROJECT MANAGER WILL CONTACT TRAFFIC & SAFETY BUREAU SIGNING SECTION WITH THE CORRECT NAME AND A NEW SIGN DESIGN WILL BE PROVIDED.

HORIZONTAL ALIGNMENT: THE ALIGNMENTS SHOWN IN THE PLANS ARE NOT RE-CREATIONS OF AS-BUILT ALIGNMENTS AND DO NOT SUPERSEDE THE EXISTING. THE INTENT OF THE SHOWN ALIGNMENTS ARE TO ASSIST IN LAYING OUT SIGNING ELEMENTS.

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

■ = FRANGIBLE SIGN POST. BREAKAWAY DEVICE REQUIRED.

1 AIR / 2 AIR = 1 OR 2 ANGLE IRONS REQUIRED 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

BGR = BEHIND GUARDRAIL

MBB = MOUNT BACK TO BACK

FY = FLUORESCENT YELLOW SHEETING REQUIRED

RSFO = REPLACE SIGN FACE ONLY

SUMMARY SIGNING & DELINEATION QUANTITIES

MATERIAL	TOTAL	UNIT
SIGNS-ALUM REFL SHEET XI	583.4	SQFT
SIGNS-ALUM SHEET INCR XI	1,186.5	SQFT
REMOVE SIGN	59	EACH
REMOVE SIGN-GUIDE	17	EACH
POSTS-TUBULAR STEEL	755	LB
POSTS-STEEL U SIGN	615	LB
POSTS-STEEL STRUCTURAL SIGN	5,103	LB
POLES-TREATED WOOD 4 IN	15	EACH
POLES-TREATED WOOD 5 IN	10	EACH
POLES-TREATED WOOD 6 IN	5	EACH
FRANG SIGN POST BKWY-S5 X 10 (S130X15)	8	EACH
FRANG SIGN POST BKWY-W8 X 18 (W200 X 27)	8	EACH
FRANG SIGN POST BKWY-3.5 IN RD (89MM)	1	EACH
FRANG SIGN POST BKWY-4 IN RD (100 MM)	4	EACH
DELINEATOR TYPE 1	527	EACH

DELINEATION SUMMARY

SYMBOL	DESIGN	TOTAL
	A	336
	B	28
	D	8
	G	40
	H	56
	BJ	33
	GJ	26

SHEET NO. S1

SIGNING NOTES AND SUMMARY FRAMES

PROJECT NAME: AUGUSTA INTERCHANGE-NORTHEAST
COUNTY: LEWIS AND CLARK
PROJECT ID: IM 15-4(178)229
UPN: 10543000

DESIGNED BY: L MOREY 08/2025
REVIEWED BY: N THOLT 08/2025
CHECKED BY: N STYREN 08/2025

MONTANA Department of Transportation

SIGNING PLANS

10543000SISUM001.DWG

1/5/2026 9:30 AM

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-15 Northbound																																	
147+85	R	REPLACE	D10-6	12 X 48				6.0	3.0lb Steel U Post		4.0	3.0	12.1						4.0								37		1					
200+65	R	REPLACE	D10-6	12 X 48				6.0	3.0lb Steel U Post		4.0	3.0	12.1					BGR	4.0								37		1					
252+40	R	REPLACE	D10-6	12 X 48				6.0	3.0lb Steel U Post		4.0	3.0	12.1					BGR	4.0								37		1					
299+15	R	REPLACE	E-234	132 X 30				20.0	W8x18 Structural Steel	6.6	7.0	5.5	24.8	21.1			■			27.5						827		2		1				
			G3-47	132 X 72																66.0														
305+50	R	REPLACE	D10-6	12 X 48				6.0	3.0lb Steel U Post		4.0	3.0	12.1						4.0								37		1					
305+50	R	REPLACE	N7-1 MT	36 X 48				20.0	5" Treated Wood Pole		5.1	3.5	16.2				X		12.0			18							1					
			N7-1P MT	36 X 12															3.0															
306+70	R	REPLACE	D9-18b	132 X 66				20.0	S5x10 Structural Steel	6.6	7.0	3.5	19.7	17.5			■			60.5						372		2		1				
			RS-054	24 X 24															4.0															Mount on X post
346+90	L	REPLACE	R5-11 (2x)	30 X 24			MBB	20.0	4" Treated Wood Pole		7.0	3.0	12.0						10.0		12								1					
350+60	R	REPLACE	E-234	132 X 30				20.0	W8x18 Structural Steel	6.6	7.0	5.5	24.8	25.9			■			27.5						913		2		1				
			G5-42	132 X 72																66.0														

SHEET NO.
S2

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME AUGUSTA INTERCHANGE-NORTHEAST
COUNTY LEWIS AND CLARK
PROJECT ID IM 15-4(178)229
UPN 105430000

DESIGNED BY L MOREY 08/2025
REVIEWED BY N THOLT 08/2025
CHECKED BY N STYREN 08/2025

MONTANA Department of Transportation

SIGNING PLANS

105430000SIGNM001.DWG

1/5/2026 9:30 AM

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
358+95	R	RSFO	EG-234	90 X 60																37.5										1				EXIT 234
390+25	L	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	
395+75	R	REPLACE	M3-1P	36 X 18				10.0	3.5" Tubular Stl-Round		7.0	3.0	13.5				■		4.5					123				1	1				NORTH	
			M1-1	36 X 36															7.2														INTERSTATE 15	
404+75	R	RSFO	R2-1	48 X 60																20.0									1				SPEED LIMIT 75	
			R2-2P	48 X 48																16.0													TRUCKS 70	
409+90	R	REPLACE	D10-6	12 X 48				6.0	3.0lb Steel U Post		4.0	3.0	12.1						4.0								37		1				MILE 2 3 5	
415+75	R	REPLACE	G11-327	144 X 60				5.0	S5x10 Structural Steel	7.2	7.0	3.5	16.7	17.9			■	BGR		60.0						417		2		1			Dearborn 5 Canyon Access 9 Great Falls 46	Dearborn 5 Canyon Access 9 Great Falls 46
420+75	R	REPLACE	W1-2R	36 X 36	FY			20.0	5" Treated Wood Pole		7.0	3.5	18.3				✕		9.0			20							1					
456+30	R	REPLACE	W8-13	48 X 48		BBR		2.0	6" Treated Wood Pole		7.0	4.5	17.7					BGR	16.0				18						1				BRIDGE ICES BEFORE ROAD	REMOVE "Watch for ice on bridge" hinged sign, REPLACE with W8-13
460+60	R	REPLACE	D10-6	12 X 48				6.0	3.0lb Steel U Post		4.0	3.0	12.1					BGR	4.0								37		1				MILE 2 3 6	
462+05	R	REPLACE	OM3-R	12 X 36	FY			See remarks	2.0lb Steel U Post		4.0	3.0	10.5					BGR	3.0								21		1					Align as noted in DWG 619-38
467+50	R	REPLACE	W8-13	48 X 48		BBR		2.0	6" Treated Wood Pole		7.0	4.5	17.7					BGR	16.0				18						1				BRIDGE ICES BEFORE ROAD	REMOVE "Watch for ice on bridge" hinged sign, REPLACE with W8-13
470+35	R	REPLACE	I2-2	54 X 36				5.0	4" Treated Wood Pole	2.7	7.0	3.0	14.0	14.4				BGR		13.5	30									1			Missouri River	Missouri River

SHEET NO.
S3

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: AUGUSTA INTERCHANGE-NORTHEAST
COUNTY: LEWIS AND CLARK
PROJECT ID: IM 15-4(178)229
UPN: 10543000

DESIGNED BY: L MOREY 08/2025
REVIEWED BY: N THOLT 08/2025
CHECKED BY: N STYREN 08/2025

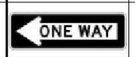
MONTANA Department of Transportation

SIGNING PLANS

1/5/2026 9:30 AM

10543000SISUM001.DWG

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-15 Northbound Off-Ramp (Craig)																																
358+10	R	REPLACE	D10-6	12 X 48				6.0	3.0lb Steel U Post		4.0	3.0	12.1					4.0							37		1					
363+50	R	REPLACE	R5-1a	42 X 30				10.0	4" Treated Wood Pole		7.0	3.0	14.5				BGR	8.8		16							1					
363+50	L	REPLACE	R5-1a	42 X 30				5.0	4" Treated Wood Pole		7.0	3.0	13.6					8.8		14							1					
365+05	R	REPLACE	W3-1	48 X 48		BBR		5.0	6" Treated Wood Pole		7.0	4.5	18.2				BGR	16.0				20					1					
368+25	R	RSFO	GS8-62	66 X 24															11.0									1				
			RS-040	24 X 24														4.0														
			M6-1PR	21 X 15														2.2														
			RS-054	24 X 24														4.0														
			M6-1PR	21 X 15														2.2														
370+95	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					
371+30	R	RSFO	R1-1	48 X 48		BBR												13.3									1					
371+35	L	REPLACE	R6-1L	48 X 18		BBR		10.0	4.0" Tubular Stl-Round		11.1	3.0	14.6			■		6.0					158			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.
S4

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: AUGUSTA INTERCHANGE-NORTHEAST
COUNTY: LEWIS AND CLARK
PROJECT ID: IM 15-4(178)229
UPN: 10543000

DESIGNED BY: L MOREY 08/2025
REVIEWED BY: N THOLT 08/2025
CHECKED BY: N STYREN 08/2025

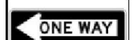
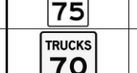
10543000SISUM001.DWG

MONTANA Department of Transportation

SIGNING PLANS

1/5/2026 9:30 AM

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
371+45	R	REPLACE	R6-1L	48 X 18		BBR		10.0	4.0" Tubular Stl-Round		11.1	3.0	14.6				■		6.0					158				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															
I-15 Northbound On-Ramp (Craig)																																	
372+20	R	REPLACE	D13-3	48 X 30		BBR		10.0	4" Treated Wood Pole	2.4	7.0	3.0	14.3	14.7					10.0		32								1				
372+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					
I-15 Southbound																																	
140+15	R	RSFO	E-228	132 X 30		2 AIR														27.5									1				
			G2-116	156 X 144																156.0													
147+85	R	REPLACE	D10-6	12 X 48				6.0	3.0lb Steel U Post		4.0	3.0	12.1						4.0								37		1				
200+65	R	REPLACE	D10-6	12 X 48				6.0	3.0lb Steel U Post		4.0	3.0	12.1						4.0								37		1				
252+40	R	REPLACE	D10-6	12 X 48				6.0	3.0lb Steel U Post		4.0	3.0	12.1						4.0								37		1				
305+30	R	REPLACE	D10-6	12 X 48				6.0	3.0lb Steel U Post		4.0	3.0	12.1						4.0								37		1				
321+55	R	REPLACE	G11-326	120 X 60				20.0	S5x10 Structural Steel	6.0	7.0	3.5	15.5	15.0			■			50.0				305			2		1				
332+60	R	RSFO	R2-1	48 X 60														BGR		20.0									1				
			R2-2P	48 X 48																16.0													

SHEET NO.
S5

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: AUGUSTA INTERCHANGE-NORTHEAST
COUNTY: LEWIS AND CLARK
PROJECT ID: IM 15-4(178)229
UPN: 10543000

DESIGNED BY: L MOREY 08/2025
REVIEWED BY: N THOLT 08/2025
CHECKED BY: N STYREN 08/2025

MONTANA Department of Transportation

SIGNING PLANS

10543000SISUM001.DWG

1/5/2026 9:30 AM

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
340+85	R	REPLACE	M3-3P	36 X 18				5.0	5" Treated Wood Pole		7.0	3.5	16.2					BGR	4.5			18							1					
			M1-1	36 X 36															7.2															
357+80	R	REPLACE	D10-6	12 X 48				6.0	3.0lb Steel U Post		4.0	3.0	12.1						4.0								37		1					
377+70	R	RSFO	EG-234	90 X 60																37.5										1				
386+55	R	REPLACE	E-234	132 X 30				20.0	W8x18 Structural Steel	6.6	7.0	5.5	24.8	25.9			■			27.5						913		2		1				
			G5-42	132 X 72																66.0														
408+25	R	RSFO	G30-60	174 X 84																101.5										1				
409+50	R	REPLACE	D10-6	12 X 48				6.0	3.0lb Steel U Post		4.0	3.0	12.1						4.0								37		1					
409+50	R	REPLACE	N7-1 MT	36 X 48				20.0	5" Treated Wood Pole		7.1	3.5	17.7				X		12.0			18							1					
			N7-1P MT	36 X 12															3.0															
426+20	R	REPLACE	D9-18b	132 X 60				20.0	S5x10 Structural Steel	6.6	7.0	3.5	19.2	17.0			■			55.0						362		2		1				
			RS-054	24 X 24															4.0															Mount on X post

SHEET NO.
S6

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: AUGUSTA INTERCHANGE-NORTHEAST
COUNTY: LEWIS AND CLARK
PROJECT ID: IM 15-4(178)229
UPN: 10543000

DESIGNED BY: L MOREY 08/2025
REVIEWED BY: N THOLT 08/2025
CHECKED BY: N STYREN 08/2025

MONTANA Department of Transportation

SIGNING PLANS

1/5/2026 9:30 AM

10543000SISUM001.DWG

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
435+50	R	REPLACE	E-234	132 X 30				5.0	W8x18 Structural Steel	6.6	7.0	5.5	22.3	23.4			■	BGR		27.5						994		2		1				
			G3-47	132 X 72																66.0														
442+10	R	RSFO	W1-2L	36 X 36	FY														9.0										1					
461+85	R	REPLACE	D10-6	12 X 48				6.0	3.0lb Steel U Post		4.0	3.0	12.1					BGR	4.0								37		1					
471+05	R	REPLACE	W8-13	48 X 48		BBR		5.0	6" Treated Wood Pole		7.0	4.5	18.2					BGR	16.0				20						1					REMOVE "Watch for ice on bridge" hinged sign, REPLACE with W8-13
480+40	R	REPLACE	I2-2	54 X 36		BBR		5.0	4" Treated Wood Pole	2.7	7.0	3.0	14.0	14.4				BGR		13.5	30									1				
485+20	R	REPLACE	W8-13	48 X 48		BBR		5.0	6" Treated Wood Pole		7.0	4.5	18.2					BGR	16.0				20						1					REMOVE "Watch for ice on bridge" hinged sign, REPLACE with W8-13
I-15 Southbound Off-Ramp (Craig)																																	
378+50	R	RSFO	W3-1	48 X 48		BBR													16.0										1					
375+65	R	REPLACE	R5-1a	42 X 30				10.0	4" Treated Wood Pole		7.0	3.0	14.5						8.8		16								1					
375+65	L	REPLACE	R5-1a	42 X 30				10.0	4" Treated Wood Pole		7.0	3.0	14.5						8.8		16								1					
374+60	R	RSFO	GS8-63	66 X 24																11.0										1				
			RS-040	24 X 24															4.0															
			M6-1PL	21 X 15															2.2															
			RS-054	24 X 24															4.0															
			M6-1PL	21 X 15															2.2														
372+50	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					

SHEET NO.
S7

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME AUGUSTA INTERCHANGE-NORTHEAST
COUNTY LEWIS AND CLARK
PROJECT ID IM 15-4(178)229
UPN 10543000

DESIGNED BY L MOREY 08/2025
REVIEWED BY N THOLT 08/2025
CHECKED BY N STYREN 08/2025
10543000SISUM001.DWG

MONTANA Department of Transportation

SIGNING PLANS

1/5/2026 9:30 AM

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
372+00	R	RSFO	R1-1	48 X 48		BBR													13.3										1				STOP	
371+85	R	REPLACE	R6-1L	48 X 18		BBR		10.0	4.0" Tubular Stl-Round		11.1	3.0	14.6				■		6.0					158				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	
372+05	L	REPLACE	R6-1L	48 X 18		BBR		10.0	4.0" Tubular Stl-Round		11.1	3.0	14.6				■		6.0					158				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-15 Southbound On-Ramp (Craig)																																		
371+10	R	REPLACE	D13-3	48 X 30		BBR		10.0	4" Treated Wood Pole	2.4	7.0	3.0	14.3	14.7					10.0		32									1			FREEWAY ENTRANCE	
370+95	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	
Sevenmile Rd / Bridge St Crossroad																																		
1+10	R	RSFO	G9-49	114 X 48																38.0									1				Great Falls / Helena	
3+30	R	REPLACE	R3-2	36 X 36				10.0	5" Treated Wood Pole		7.0	3.5	15.4				X		9.0			16							1					

SHEET NO.
S8

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME AUGUSTA INTERCHANGE-NORTHEAST
COUNTY LEWIS AND CLARK
PROJECT ID IM 15-4(178)229
UPN 10543000

DESIGNED BY L MOREY 08/2025
REVIEWED BY N THOLT 08/2025
CHECKED BY N STYREN 08/2025

MONTANA Department of Transportation

SIGNING PLANS

10543000SIGUM001.DWG

1/5/2026 9:30 AM

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
4+05	R	RSFO	M3-1P	24 X 12															2.0										1					
			M1-1	24 X 24															3.2															
			M6-3P	21 X 15															2.2															
			M3-3P	24 X 12															2.0															
			M1-1	24 X 24															3.2															
			M6-1PR	21 X 15															2.2															
			M3-3P	24 X 12															2.0															
			M1-1	24 X 24															3.2															
			M6-1PL	21 X 15															2.2															
4+30	L	REPLACE	R3-1	36 X 36				10.0	5" Treated Wood Pole		7.0	3.5	15.4				X		9.0			16							1					
4+85	R	REPLACE	W12-2 (14-3)	36 X 36				10.0	5" Treated Wood Pole		5.0	3.5	14.6				X		9.0			16							1					
5+10	L	RSFO	G8-37	84 X 24																14.0									1					
	L	REPLACE	EM1-1	24 X 24				10.0	4" Treated Wood Pole		5.0	3.0	11.8						4.0		12								1					
6+90	R	RSFO	G8-42	108 X 24																18.0									1					
7+00	L	REPLACE	W12-2 (14-3)	36 X 36				10.0	5" Treated Wood Pole		5.0	3.5	14.6				X		9.0			16							1					
7+65	R	REPLACE	R3-1	36 X 36				10.0	5" Treated Wood Pole		7.0	3.5	15.4				X		9.0			16							1					

SHEET NO.
S9

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: AUGUSTA INTERCHANGE-NORTHEAST
COUNTY: LEWIS AND CLARK
PROJECT ID: IM 15-4(178)229
UPN: 10543000

DESIGNED BY: L MOREY 08/2025
REVIEWED BY: N THOLT 08/2025
CHECKED BY: N STYREN 08/2025

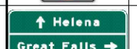
MONTANA Department of Transportation

SIGNING PLANS

10543000SISUM001.DWG

1/5/2026 9:30 AM

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
7+80	L	RSFO	M3-1P	24 X 12															2.0										1					
			M1-1	24 X 24															3.2															
			M6-1PL	21 X 15															2.2															
			M3-3P	24 X 12															2.0															
			M1-1	24 X 24															3.2															
			M6-3P	21 X 15															2.2															
			M3-1P	24 X 12															2.0															
			M1-1	24 X 24															3.2															
			M6-1PR	21 X 15															2.2															
8+80	L	REPLACE	R3-2	36 X 36				10.0	5" Treated Wood Pole		7.0	3.5	15.4				X		9.0			16							1					
9+35	R	RSFO	G9-50	108 X 48																36.0									1					
									PROJECT TOTALS										583.4	1186.5	222	170	96	755		5103	615	21	59	17				

SHEET NO.
S10

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME AUGUSTA INTERCHANGE-NORTHEAST
COUNTY LEWIS AND CLARK
PROJECT ID IM 15-4(178)229
UPN 10543000

DESIGNED BY L MOREY 08/2025
REVIEWED BY N THOLT 08/2025
CHECKED BY N STYREN 08/2025

MONTANA Department of Transportation

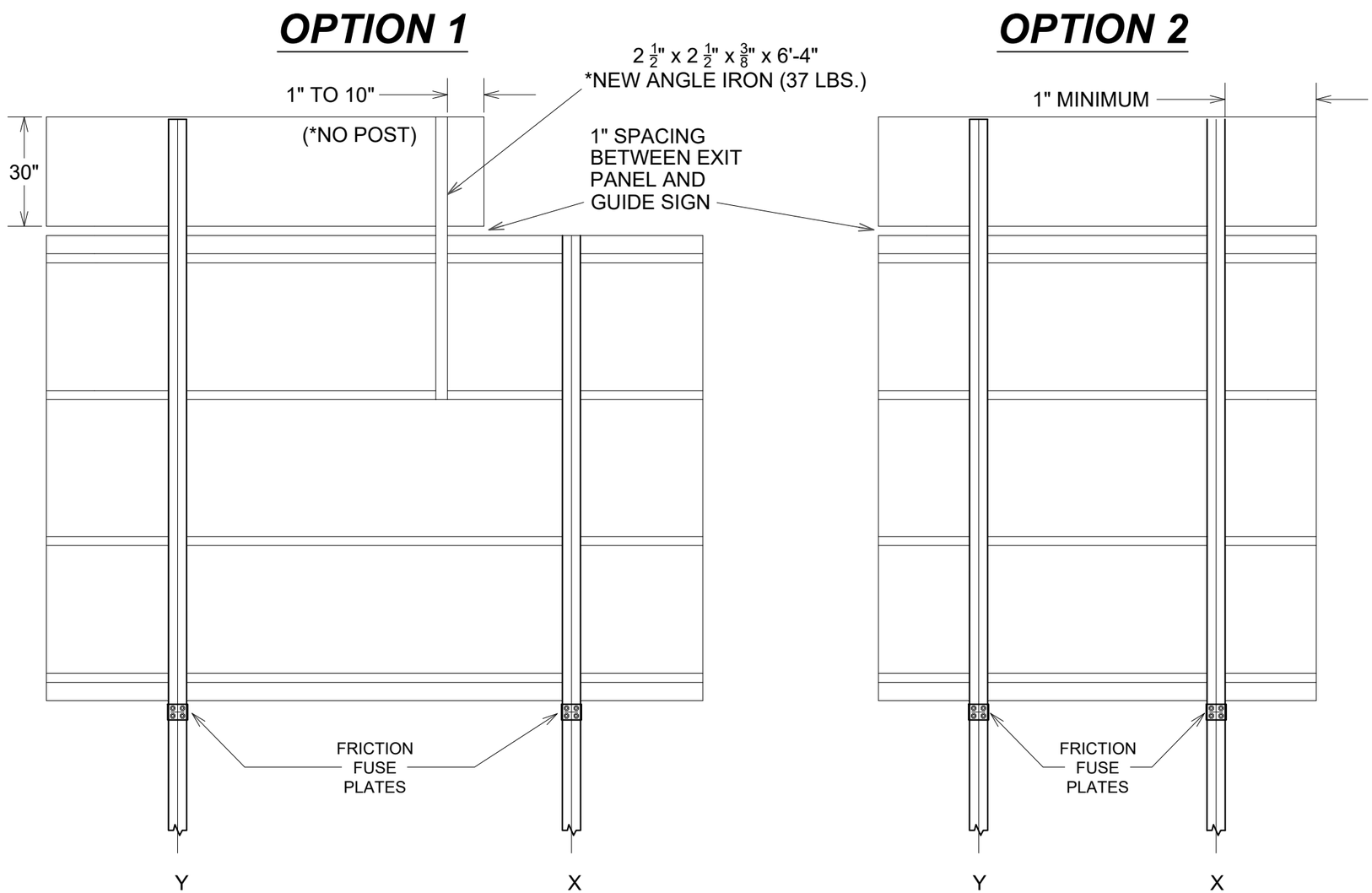
SIGNING PLANS

10543000SISUM001.DWG

1/5/2026 9:30 AM

GUIDE SIGN WITH EXIT PANEL - NEW INSTALLATION

NO SCALE



OPTION 1 - REAR VIEW OF ADVANCE GUIDE SIGN WITH EXIT NUMBER PANEL SIGN SHOWING INSTALLATION OF ANGLE IRON WITH A SINGLE POST CONNECTION.

OPTION 2 - THE X AND Y POST OF THE GUIDE SIGN SHALL BE USED FOR THE EXIT PANEL SUPPORTS WHEN A 1" MINIMUM CLEARANCE FROM THE POST TO THE EDGE OF THE EXIT PANEL CAN BE OBTAINED. ANGLE IRON SUPPORTS WILL BE OMITTED.

SHEET NO.
S11

SIGNING DETAIL

PROJECT NAME: AUGUSTA INTERCHANGE-NORTHEAST
COUNTY: LEWIS AND CLARK
PROJECT ID: IM 15-4(178)229
UPN: 10543000

DESIGNED BY		REVIEWED BY		CHECKED BY	
L MOREY	08/2025	N THOLT	08/2025	N STYREN	08/2025

10543000SISUM001.DWG

MONTANA Department of Transportation

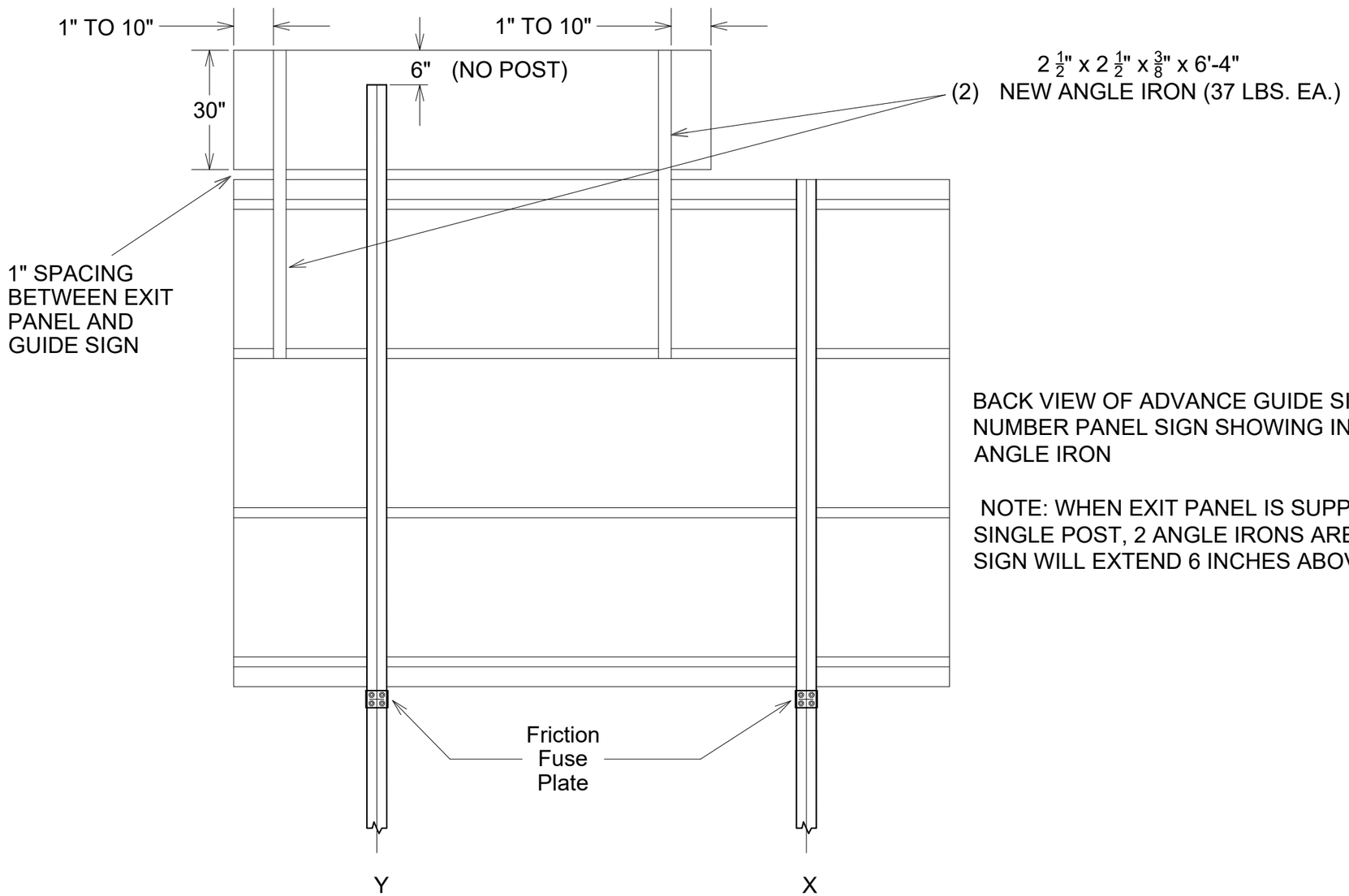
SIGNING PLANS

1/5/2026 9:30 AM

AWARD COPY

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.
S12

SIGNING DETAIL

PROJECT NAME
AUGUSTA INTERCHANGE-NORTHEAST
COUNTY
LEWIS AND CLARK
PROJECT ID
IM 15-4(178)229
UPN
10543000

DESIGNED BY L MOREY 08/2025
REVIEWED BY N THOLT 08/2025
CHECKED BY N STYREN 08/2025

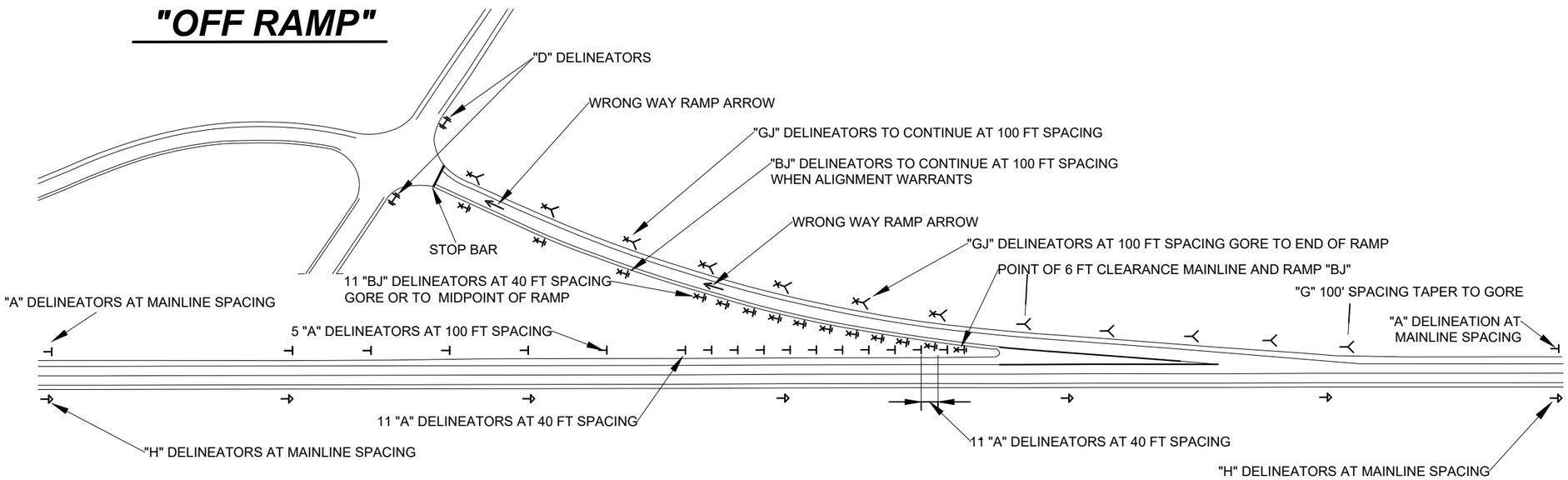
MONTANA Department of Transportation

SIGNING PLANS

1/5/2026 9:30 AM
10543000SIGUM001.DWG

RAMP DELINEATION DETAIL

"OFF RAMP"

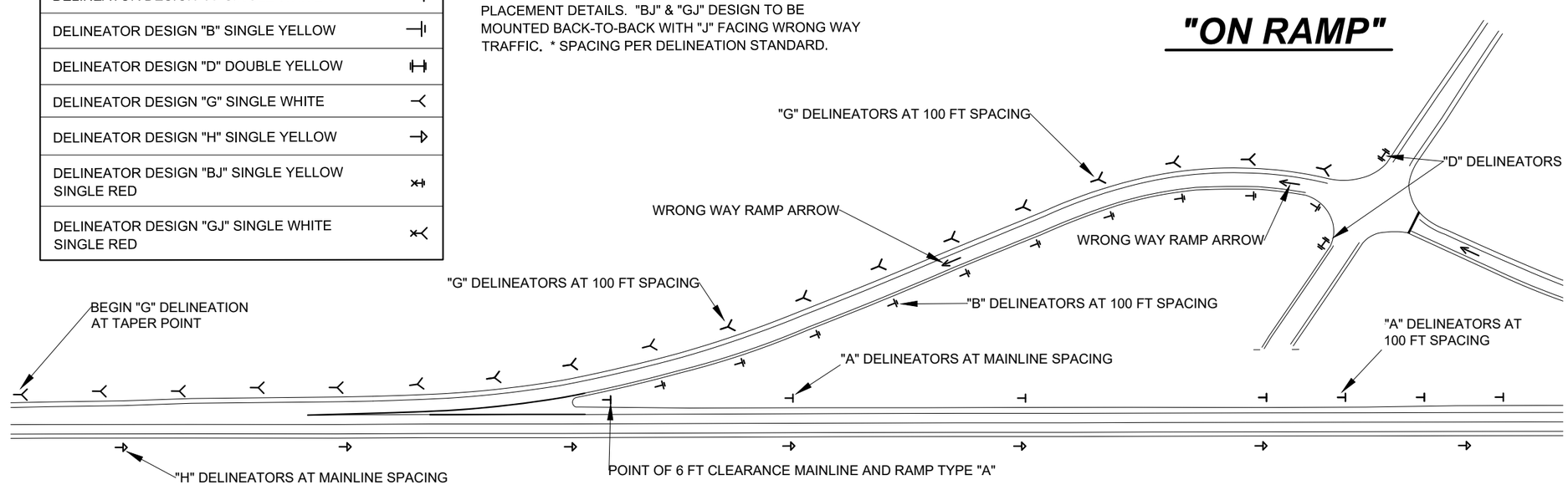


LEGEND

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.
S13

SIGNING DETAIL

PROJECT NAME AUGUSTA INTERCHANGE-NORTHEAST
COUNTY LEWIS AND CLARK
PROJECT ID IM 15-4(178)229
UPN 10543000

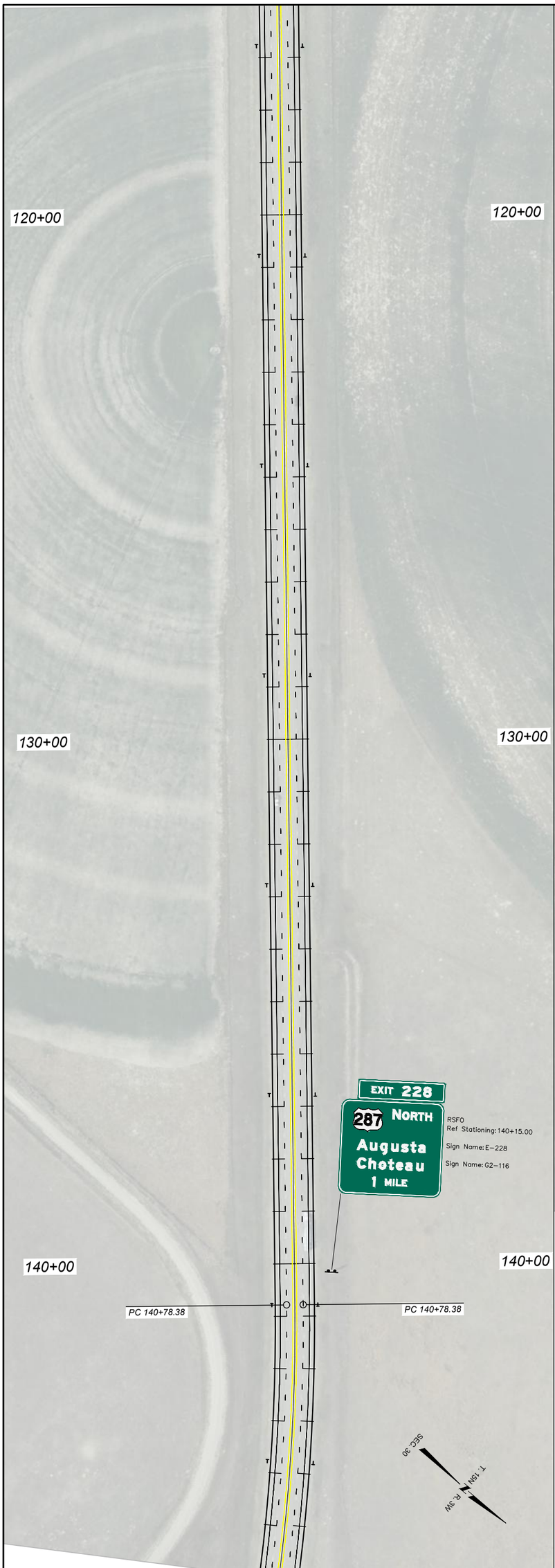
DESIGNED BY	REVIEWED BY	CHECKED BY
L MOREY 08/2025	N THOLT 08/2025	N STYREN 08/2025

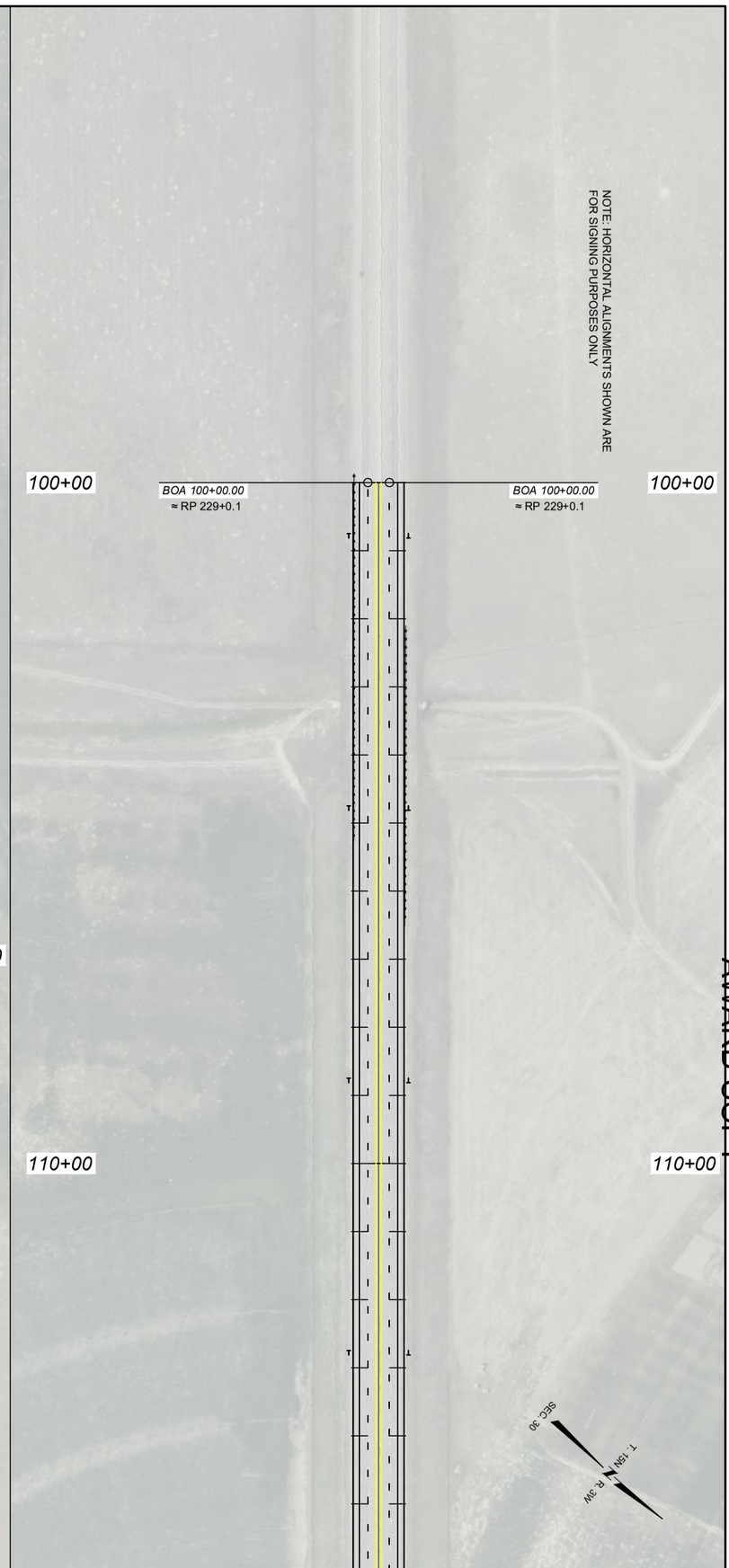
MONTANA Department of Transportation

SIGNING PLANS

10543000SIGUM001.DWG

1/5/2026 9:30 AM

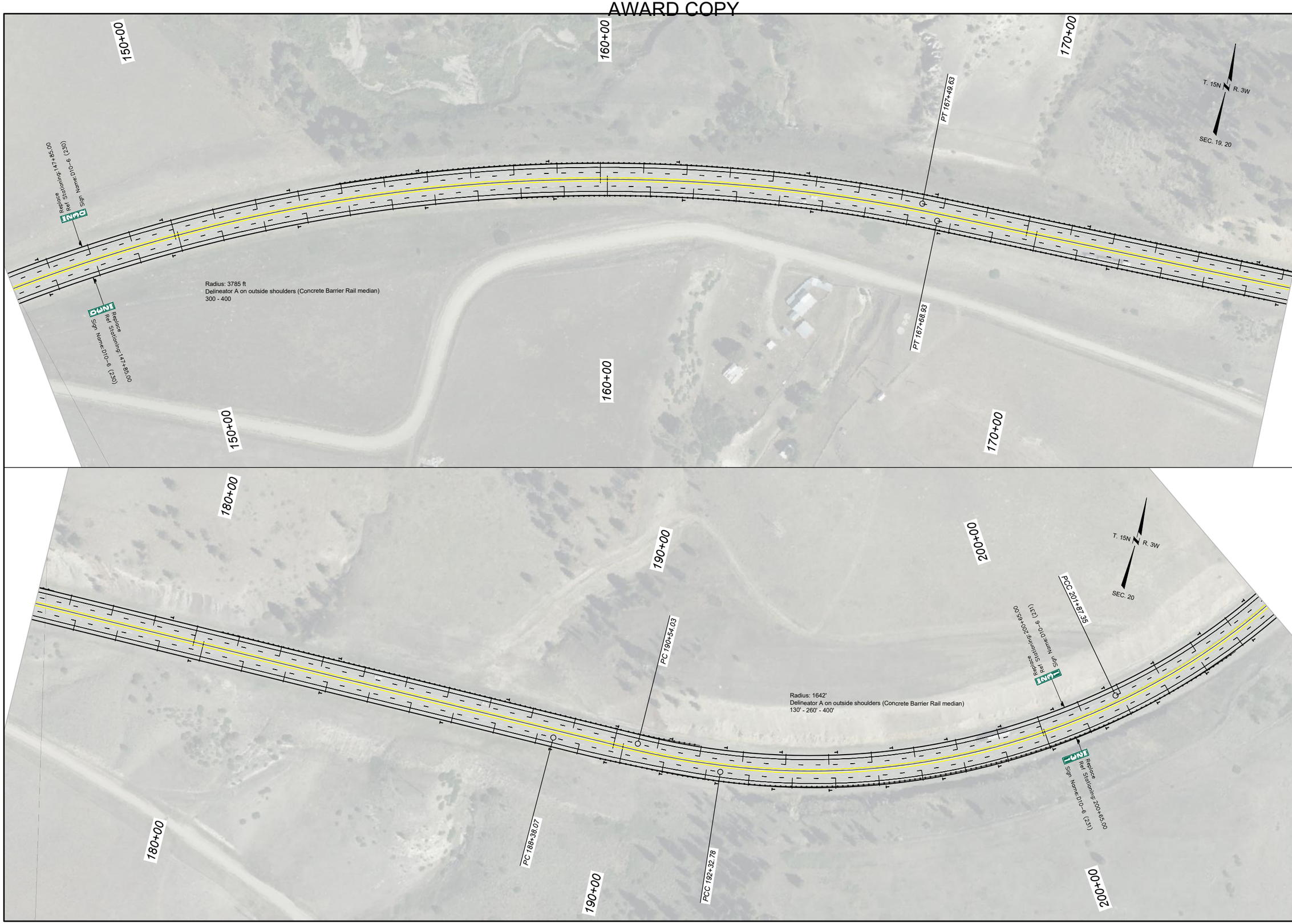




AWARD COPY

MONTANA Department of Transportation	DESIGNED BY: L MOREY 08/2025	PROJECT NAME: AUGUSTA INTERCHANGE-NORTHEAST	PLAN SHEET
	REVIEWED BY: N THOLT 08/2025	COUNTY: LEWIS AND CLARK	
SIGNING PLANS	CHECKED BY: N STYREN 08/2025	PROJECT ID: IM 15-4(178)229	
1/5/2026 9:31 AM	10543000SIPLN001.DWG	UPN: 10543000	SHEET NO. S14

AWARD COPY



SHEET NO.
S15

PLAN SHEET

PROJECT NAME
AUGUSTA INTERCHANGE-NORTHEAST

COUNTY
LEWIS AND CLARK

PROJECT ID
IM 15-4(178)229

UPN
10543000

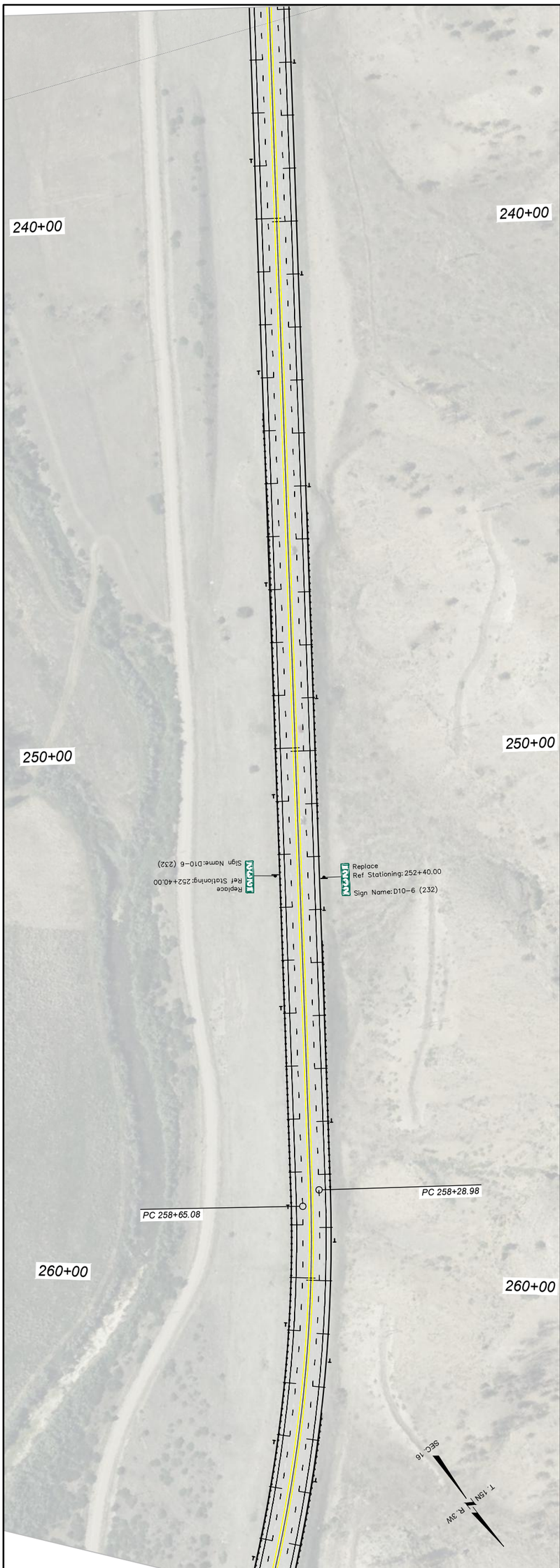
DESIGNED BY		REVIEWED BY		CHECKED BY	
L MOREY	08/2025	N THOLT	08/2025	N STYREN	08/2025

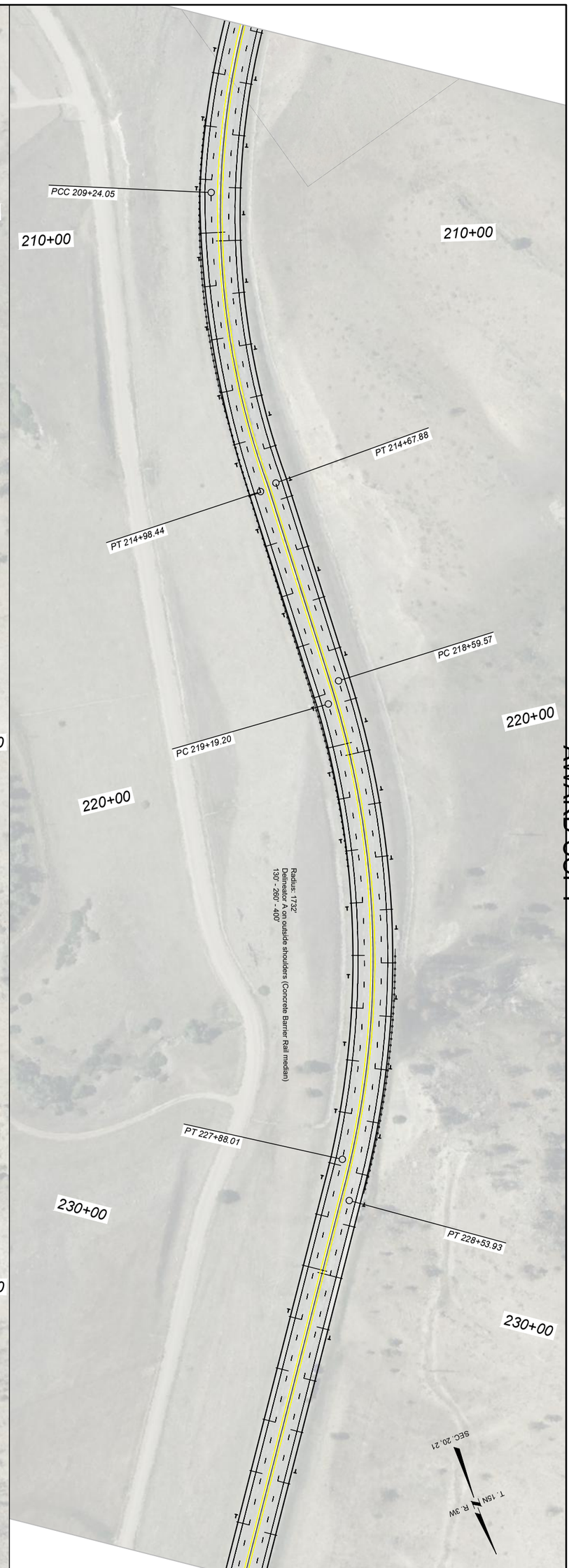
10543000SIPLN001.DWG

MONTANA
Department of Transportation

SIGNING PLANS

1/5/2026 9:31 AM





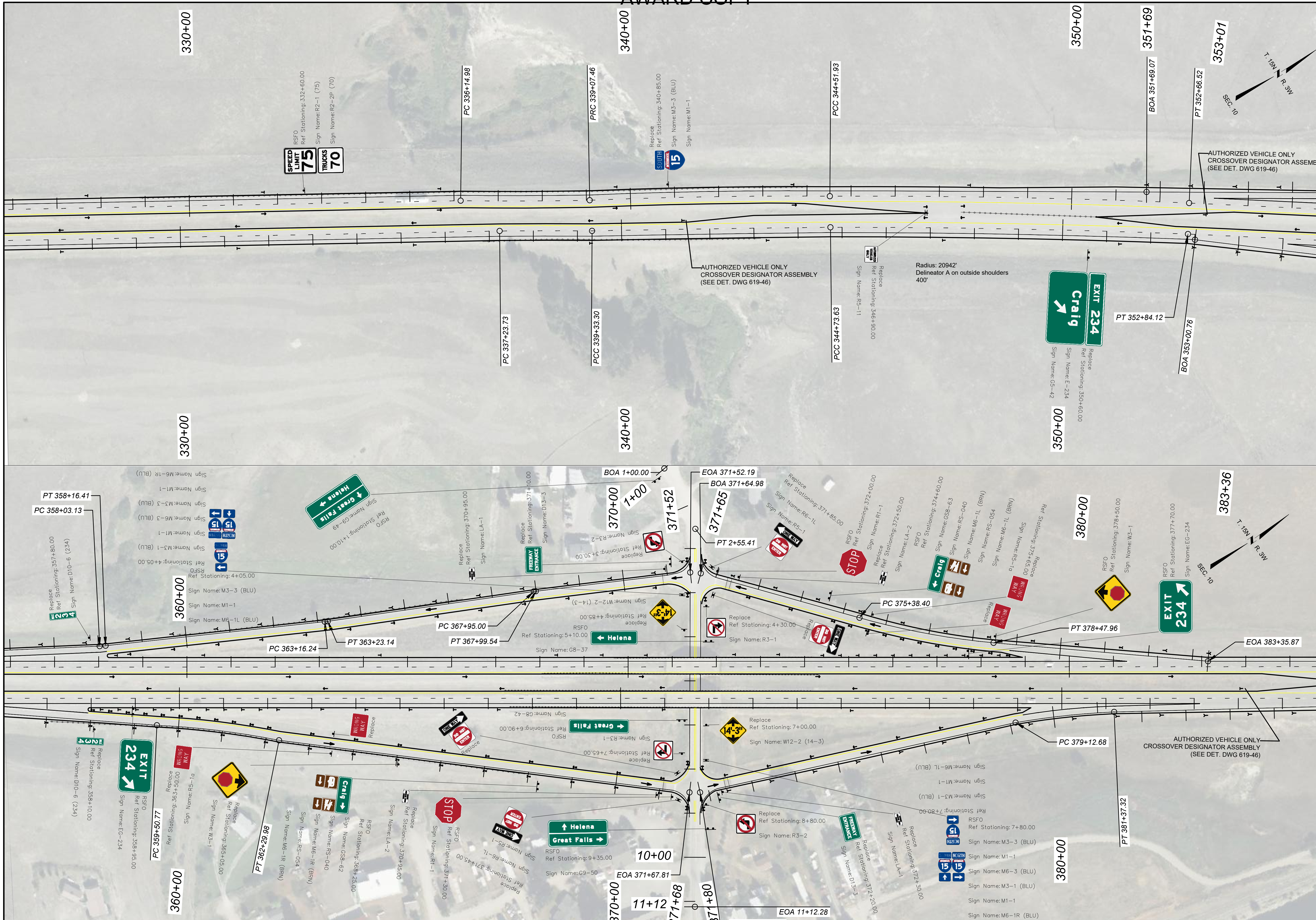
AWARD COPY

MONTANA Department of Transportation	DESIGNED BY: L MOREY 08/2025	PROJECT NAME: AUGUSTA INTERCHANGE-NORTHEAST	PLAN SHEET
	REVIEWED BY: N THOLT 08/2025	COUNTY: LEWIS AND CLARK	
SIGNING PLANS	CHECKED BY: N STYREN 08/2025	PROJECT ID: IM 15-4(178)229	
1/5/2026 9:31 AM	10543000SIPLN001.DWG	UPN: 10543000	SHEET NO. S16

AWARD COPY

MONTANA Department of Transportation	DESIGNED BY: L MOREY 08/2025	PROJECT NAME: AUGUSTA INTERCHANGE-NORTHEAST	PLAN SHEET
	REVIEWED BY: N THOLT 08/2025	COUNTY: LEWIS AND CLARK	
SIGNING PLANS	CHECKED BY: N STYREN 08/2025	PROJECT ID: IM 15-4(178)229	SHEET NO. S17
1/5/2026 9:31 AM	10543000SIPLN001.DWG	UPN: 10543000	

AWARD COPY



SHEET NO.	S18
PLAN SHEET	
PROJECT NAME	AUGUSTA INTERCHANGE-NORTHEAST
COUNTY	LEWIS AND CLARK
PROJECT ID	IM 15-4(178)229
UPN	10543000
DESIGNED BY	L MOREY 08/2025
REVIEWED BY	N THOLT 08/2025
CHECKED BY	N STYREN 08/2025

10543000SIPLN001.DWG

MONTANA Department of Transportation

SIGNING PLANS

1/5/2026 9:31 AM

AWARD COPY

MONTANA Department of Transportation	DESIGNED BY: L MOREY 08/2025	PROJECT NAME: AUGUSTA INTERCHANGE-NORTHEAST	PLAN SHEET
	REVIEWED BY: N THOLT 08/2025	COUNTY: LEWIS AND CLARK	
SIGNING PLANS	CHECKED BY: N STYREN 08/2025	PROJECT ID: IM 15-4(178)229	
1/5/2026 9:31 AM	10543000SIPLN001.DWG	UPN: 10543000	SHEET NO. S19

AWARD COPY

SHEET NO.
S20

PLAN SHEET

PROJECT NAME
AUGUSTA INTERCHANGE-NORTHEAST

COUNTY
LEWIS AND CLARK

PROJECT ID
IM 15-4(178)229

UPN
10543000

DESIGNED BY		REVIEWED BY		CHECKED BY	
L MOREY	08/2025	N THOLT	08/2025	N STYREN	08/2025

10543000SIPLN001.DWG

MONTANA
Department of Transportation

SIGNING PLANS

1/5/2026 9:31 AM