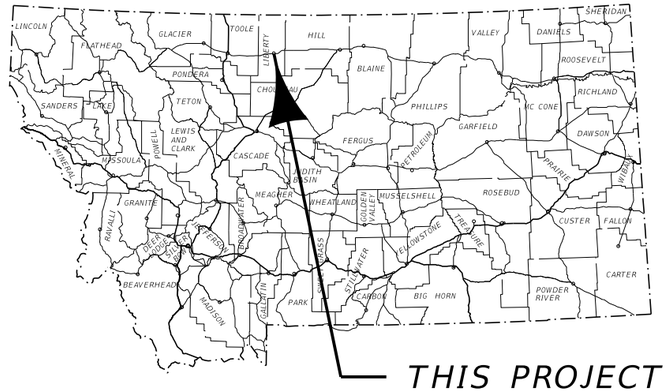
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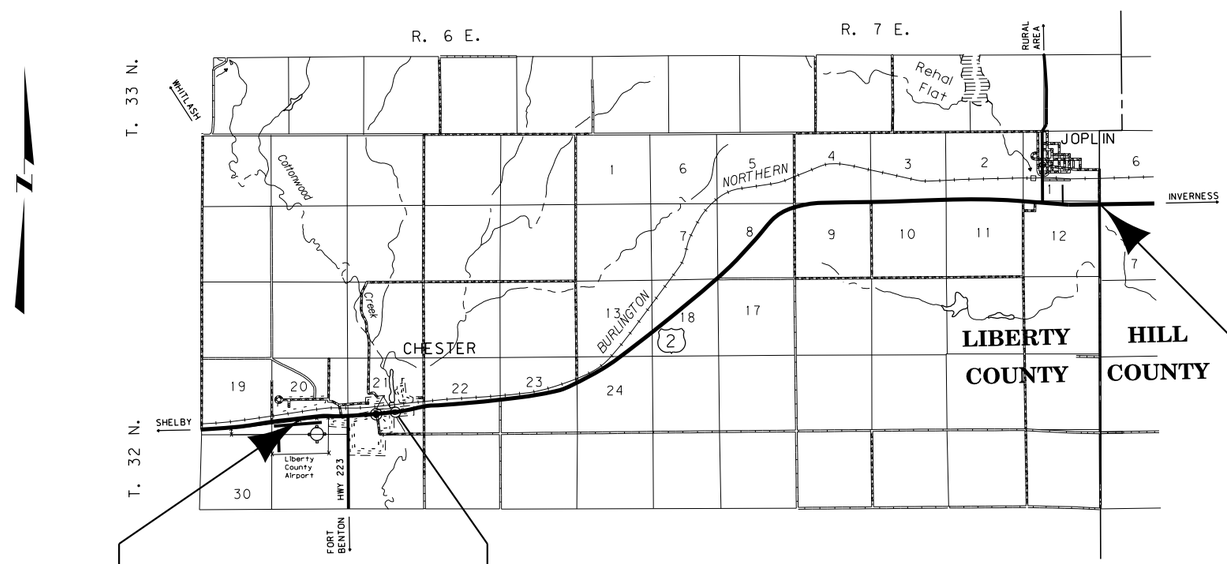
MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT NH 1-5(134)321
CRACK SEAL, SEAL & COVER & FOG SEAL
CHESTER-EAST
LIBERTY COUNTY

LETTING DATE - _____

LENGTH 11.6 MILES

SURFACING SOURCES -
CONTRACTOR FURNISHED



3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9751000rdtl001.dgn	DESIGNED BY	ZACH MOELLER	8/4/2020	ROAD PLANS
2		1/22/2021	REVIEWED BY	JEANIA CERECK	8/18/2020	
		1:38:20 PM CPS - U3162	CHECKED BY			UPN 9751000

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SIGN LOCATION AND SPECS.	S2-S8

NOTES

BASIS OF PLAN QUANTITIES

(QUANTITIES FOR ESTIMATING PURPOSES ONLY)

SEAL	= 0.42 GAL. PER SQ.YARD
COVER	= 25 LBS. PER SQ.YARD
BITUMINOUS MATERIAL	= 8.5 LBS. PER GAL.
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)
CRACK SEALANT (NEW)	= 0.50 LBS PER LN. FOOT
CRACK SEALANT (EXISTING)	= 0.125 LBS PER LN. FOOT
CRACK FILLING - MASTIC	= 3.6 LBS PER LN. FOOT

ASBUILTS

FOR HORIZONTAL ALIGNMENT AND STATIONING, REFER TO THE FOLLOWING "AS-BUILT" PROJECT(S):

NH 1-5(22)321 (MAJOR REHABILITATATION - 2004) (METRIC)
NH 1-5(104)308 (CRACK SEAL, SEAL & COVER - 2013)

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.

UTILITIES

CALL THE UTILITIES UNDERGROUND LOCATION CENTER (811) OR OTHER NOTIFICATION SYSTEM FOR THE MARKING AND LOCATION OF ALL LINES AND SERVICE BEFORE EXCAVATING.

LINEAR DATA

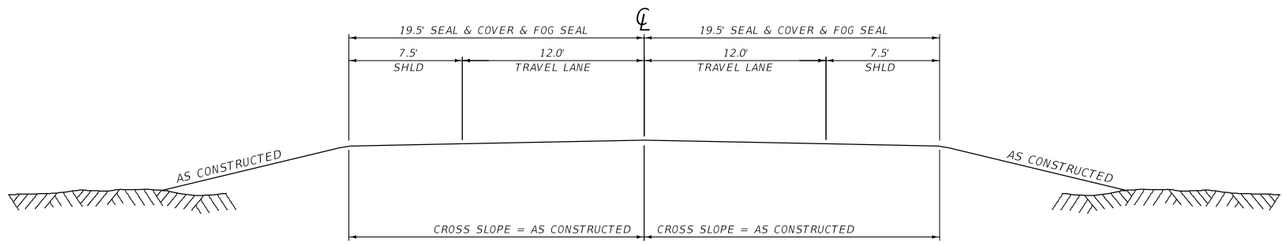
LENGTH OF ROADWAY	IN LIBERTY COUNTY	2 LANE RURAL	61,184.72 ft
LENGTH OF BRIDGE	IN LIBERTY COUNTY	2 LANE RURAL	58.0 ft
TOTAL LENGTH OF	NH 1-5(134)321	2 LANE RURAL	61,242.72 ft

AWARD COPY

TYPICAL SECTION NO. 1

MAINLINE

683+30.57 TO 707+64.24 THEN TO TYP. SEC. NO. 2

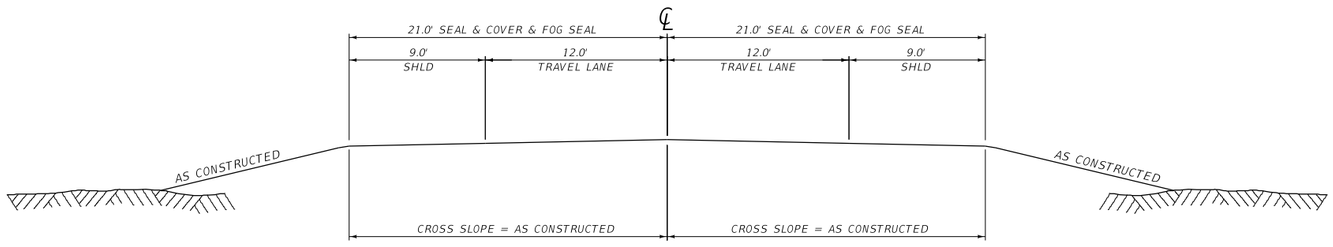


QUANTITIES						
UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL		
	COVER			SEAL	EMULSIFED ASPHALT FOG SEAL	
AREA square feet			square yards PER STATION	433	433	
cubic yards PER STATION			tons PER STATION	0.77		
tons PER STATION			gallons PER STATION		32	
square yards PER STATION	433					

TYPICAL SECTION NO. 2

MAINLINE

707+64.24 TO 724+50.59 THEN TO TYP. SEC. NO. 3
778+60.69 TO 1243+70.53
1243+70.53 TO 1247+83.92 TRANS. TYP. SECT. NO. 2 TO TYP. SECT. NO. 4
1265+69.29 TO 1295+73.29 EOP



QUANTITIES						
UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL		
	COVER			SEAL	EMULSIFED ASPHALT FOG SEAL	
AREA square feet			square yards PER STATION	467	467	
cubic yards PER STATION			tons PER STATION	0.83		
tons PER STATION			gallons PER STATION		35	
square yards PER STATION	467					

3	MDT	MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9751000rdtyp001.dgn	DESIGNED BY	ZACH MOELLER	8/4/2020	ROAD PLANS
2			1/22/2021	REVIEWED BY	JEANIA CERECK	8/18/2020	LIBERTY COUNTY
			1:38:37 PM CPS - U3162	CHECKED BY			

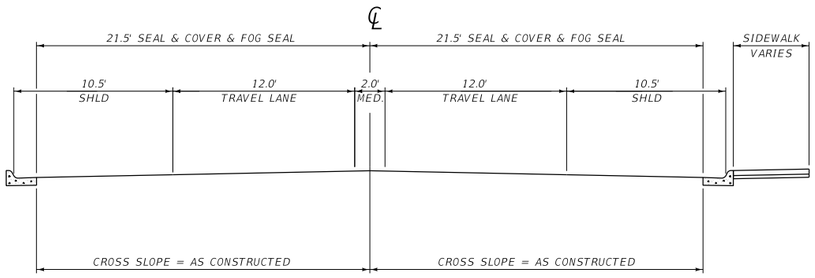
CHESTER-EAST | NH 1-5(134)321
UPN 9751000 | 3

AWARD COPY

TYPICAL SECTION NO. 3

MAINLINE

724+50.59 TO 759+81.60 BE
759+81.60 BE TO 760+39.60 BE
760+39.60 BE TO 762+09.60
762+09.60 TO 763+59.60 TRANS. TYP. SECT. NO 3 TO TYP. SECT. NO 3A.

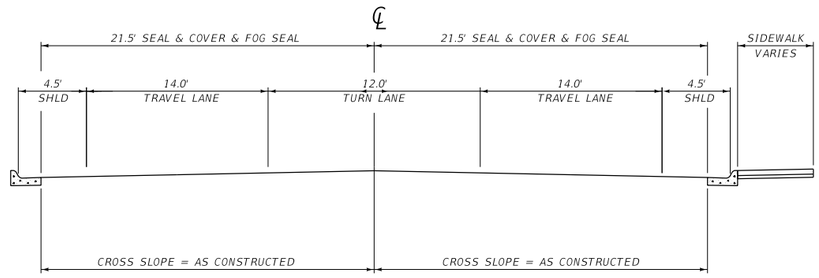


QUANTITIES						
UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL		
	COVER			SEAL	EMULSIFED ASPHALT FOG SEAL	
AREA square feet			square yards PER STATION	478	478	
cubic yards PER STATION			tons PER STATION	0.85		
tons PER STATION			gallons PER STATION		36	
square yards PER STATION	478					

TYPICAL SECTION NO. 3A

MAINLINE

763+59.60 TO 778+60.69 THEN TO TYP. SECT. NO. 2

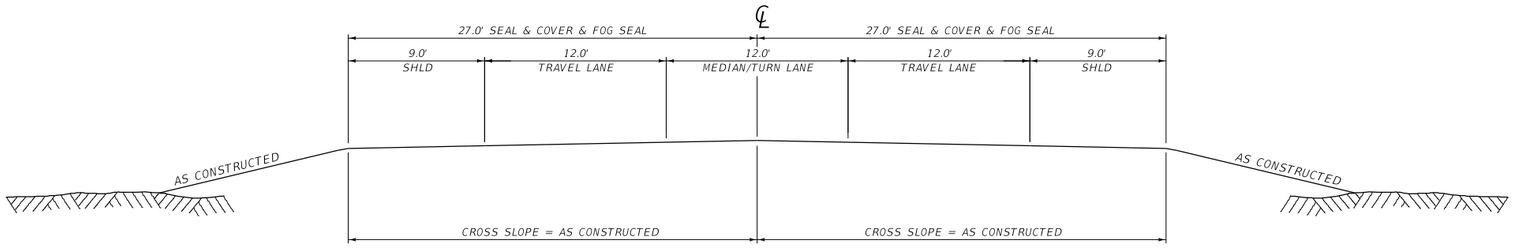


FOR QUANTITIES SEE TYPICAL SECTION NO. 3

TYPICAL SECTION NO. 4

MAINLINE

1247+83.92 TO 1254+86.35
1254+86.35 TO 1257+16.44 TRANS. TYP. SECT. NO 4 TO TYP. SECT. NO 5.



QUANTITIES						
UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL		
	COVER			SEAL	EMULSIFED ASPHALT FOG SEAL	
AREA square feet			square yards PER STATION	600	600	
cubic yards PER STATION			tons PER STATION	1.07		
tons PER STATION			gallons PER STATION		45	
square yards PER STATION	600					

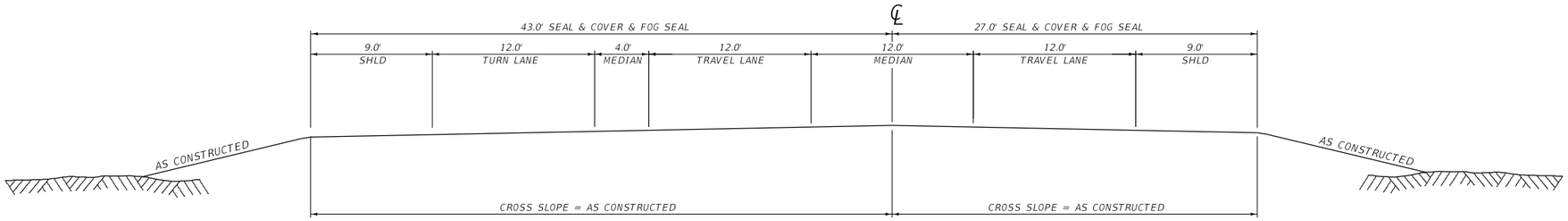
AWARD COPY

TYPICAL SECTION NO. 5

MAINLINE

1257+16.44
1257+16.44 TO 1261+29.83

ONLY
TRANS. TYP. SECT. NO 5 TO TYP. SECT. NO 6.



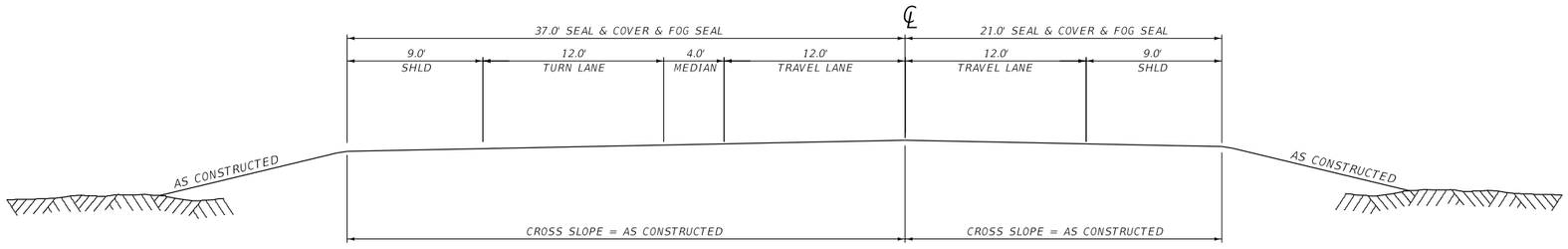
QUANTITIES						
UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL		
	COVER			SEAL	EMULSIFED ASPHALT FOG SEAL	
AREA square feet			square yards PER STATION	778	778	
cubic yards PER STATION			tons PER STATION	1.39		
tons PER STATION			gallons PER STATION		58	
square yards PER STATION	778					

TYPICAL SECTION NO. 6

MAINLINE

1261+29.83 TO 1262+85.83
1262+85.83 TO 1265+69.29

TRANS. TYP. SECT. NO 6 TO TYP. SECT. NO 2.



QUANTITIES						
UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL		
	COVER			SEAL	EMULSIFED ASPHALT FOG SEAL	
AREA square feet			square yards PER STATION	644	644	
cubic yards PER STATION			tons PER STATION	1.15		
tons PER STATION			gallons PER STATION		48	
square yards PER STATION	644					

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1			1/22/2021	REVIEWED BY	JEANIA CERECK	8/18/2020	LIBERTY COUNTY
			1:38:47 PM CPS - U3162	CHECKED BY			

CHESTER-EAST	NH 1-5(134)321
UPN 9751000	5

SUMMARY

SURFACING

STATION FROM	STATION TO	linear feet GROSS	linear feet NET	linear feet +	linear feet -	FOR	AGGREGATE sq. yards COVER TYPE 1	AGGREGATE sq. yards	BITUMINOUS MATERIAL tons SEAL CRS-2P	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT FOG SEAL	REMARKS
683+30.57	707+64.24	2,433.67	2,433.67				10,538		18.7	779	TYP. SECT. NO. 1
707+64.24	724+50.59	1,686.35	1,686.35				7,875		14.0	590	TYP. SECT. NO. 2
724+50.59											
759+81.60 BE	760+39.60 BE				58.00	STATION 760+10.60 – 46'x58' BRIDGE IN PLACE					
	778+60.69	5,410.10	5,352.10				25,583		45.5	1,927	TYP. SECT. NO. 3
778+60.69	1243+70.53	46,509.84	46,509.84				217,201		386.0	16,278	TYP. SECT. NO. 2
1243+70.53	1247+83.92	413.39	413.39				2,205		3.9	165	TRANS. TYP. SECT. NO. 2 TO TYP. SECT. NO. 4
1247+83.92	1254+86.35	702.43	702.43				4,215		7.5	316	TYP. SECT. NO. 4
1254+86.35	1257+16.44	230.09	230.09				1,585		2.8	118	TRANS. TYP. SECT. NO. 4 TO TYP. SECT. NO. 5
1257+16.44	1261+29.83	413.39	413.39				2,939		5.3	219	TRANS. TYP. SECT. NO. 5 TO TYP. SECT. NO. 6
1261+29.83	1262+85.83	156.00	156.00				1,005		1.8	75	TYP. SECT. NO. 6
1262+85.83	1265+69.29	283.46	283.46				1,575		2.8	118	TRANS. TYP. SECT. NO. 6 TO TYP. SECT. NO. 2
1265+69.29	1295+73.29	3,004.00	3,004.00				14,029		24.9	1,051	TYP. SECT. NO. 2
						ADDITIONAL SURFACING	967		2.0	73	
TOTAL		61,242.72	61,184.72	~	58.00		289,717		515.2	21,709	

ADDITIONAL SURFACING

STATION FROM	STATION TO	linear feet GROSS	linear feet NET	linear feet +	linear feet -	FOR	AGGREGATE sq. yards COVER TYPE 1	AGGREGATE sq. yards	BITUMINOUS MATERIAL tons SEAL CRS-2P	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT FOG SEAL	REMARKS
759+81.60 BE	760+39.60 BE	58.00	58.00			BRIDGE IN PLACE (P00001322+03991)	277		0.5	21	TYPICAL SECTION NO. 3
						HISTORICAL PULLOUT	690		1.2	52	RP 327.6 LT
TOTAL		58.00	58.00	~	~		967		2.0	73	

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SUMMARY

CRACK SEALING *

STATION		TRANSVERSE & LONGITUDINAL CRACK SEALING						REMARKS
		CRACK SEALING				CRACK FILLING MASTIC		
		NEW	EXISTING	NEW	EXISTING	pounds	linear feet	
FROM	TO	pounds	pounds	linear feet	linear feet			
683+30.57	1295+73.29	69,882	2,769	139,764	22,155			
724+50.59	778+60.59					17,096	4,749	RT.
724+50.59	778+60.59					18,630	5,175	LT.
SUBTOTAL		69,882	2,769	~	~	35,726	~	
TOTAL		72,651		#	#	35,726	#	

* SEE DETAIL SHEET
\# FOR INFORMATION ONLY

PAVEMENT MARKINGS

ITEM	UNIT	INTERIM APPLICATION	FINAL APPLICATION	TOTAL
STRIPING - WHITE PAINT	gallon	427		427
STRIPING - YELLOW PAINT	gallon	177		177
WORDS & SYMBOLS - WHITE PAINT	gallon	14		14
WORDS & SYMBOLS - YELLOW PAINT	gallon	12		12
STRIPING - WHITE EPOXY	gallon		570	570
STRIPING - YELLOW EPOXY	gallon		236	236
WORDS & SYMBOLS - YELLOW EPOXY	gallon		18	18
WORDS & SYMBOLS - WHITE EPOXY	gallon		15	15
CURB - YELLOW EPOXY	gallon		60	60

RUMBLE STRIPS

STATION		miles		gals	REMARKS
		SINUSOIDAL RUMBLE STRIPS		EMULSIFIED ASPHALT FOG SEAL #	
		SHOULDERS			
FROM	TO	INTERMITTENT			
683+30.57	1295+73.29	10.5		1,232	LT.
683+30.57	1295+73.29	10.3		1,209	RT.
SUBTOTAL		20.8		2,441	
TOTAL		20.8		~	

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

DETAIL

CRACK SEALING DETAIL

(NO SCALE)

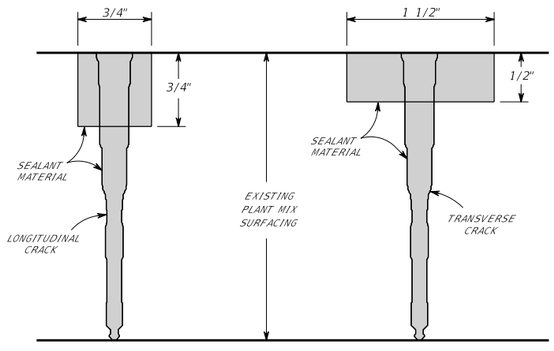
CRACKS 1/8" TO 1" WIDE

LONGITUDINAL CRACK

ROUT 3/4" WIDE x 3/4" DEEP
PRIOR TO APPLYING SEALANT

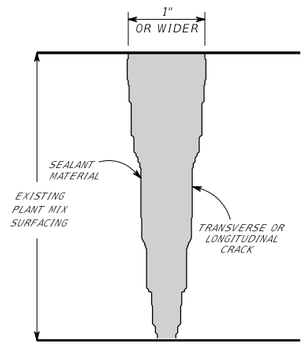
TRANSVERSE CRACK

ROUT 1 1/2" WIDE x 1/2" DEEP
PRIOR TO APPLYING SEALANT



CRACKS 1" OR WIDER
MASTIC REQUIRED

LEAVE EXISTING CRACK SEAL INPLACE



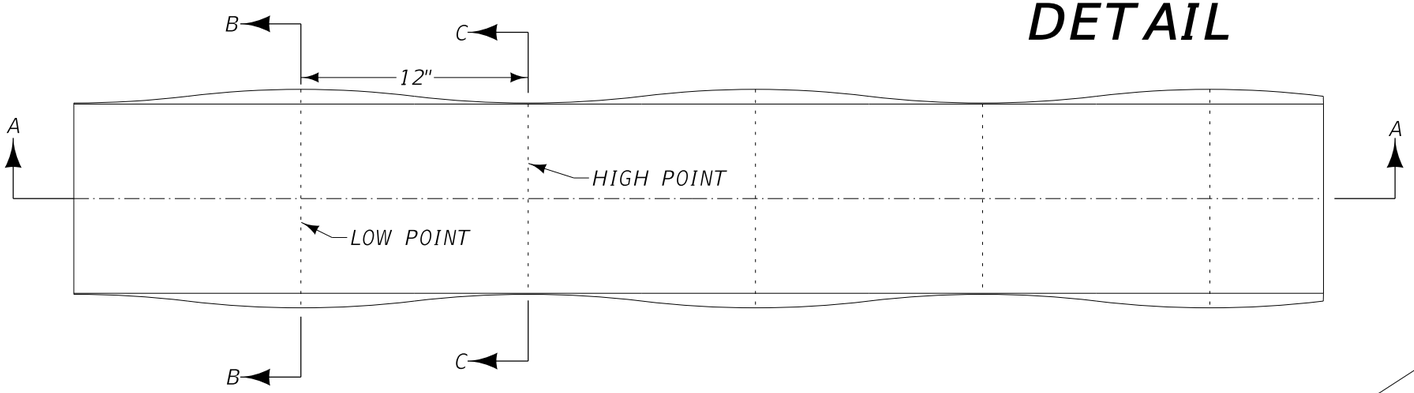
CRACK SEALING DETAIL

NO SCALE

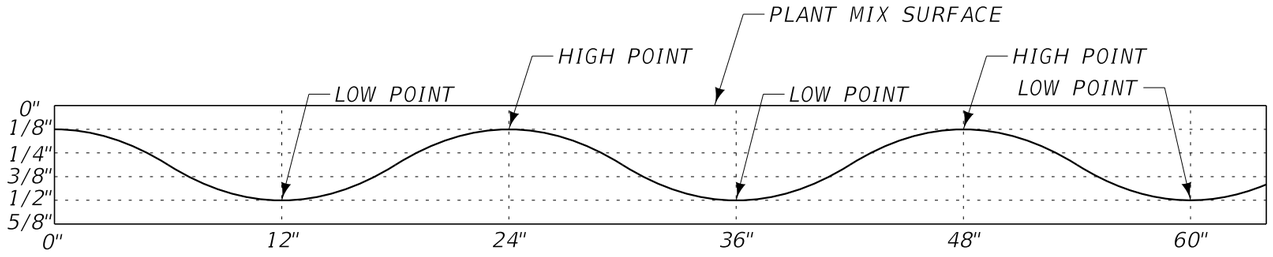
3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9751000rddet001.dgn	DESIGNED BY	ZACH MOELLER	8/4/2020	ROAD PLANS	CHESTER-EAST / NH 1-5(134)321
2		1/22/2021	REVIEWED BY	JEANIA CERECK	8/18/2020		
		1:39:19 PM CPS - U3162	CHECKED BY			LIBERTY COUNTY	UPN 9751000 / 8

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DETAIL

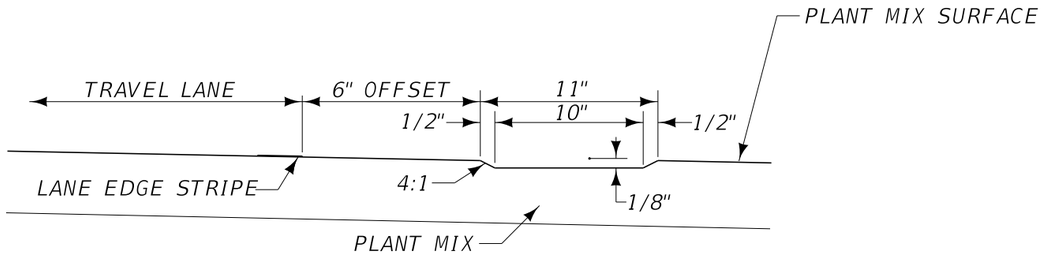


SINUSOIDAL SHOULER RUMBLE STRIP
WITH TAPERED GROOVE PLAN VIEW

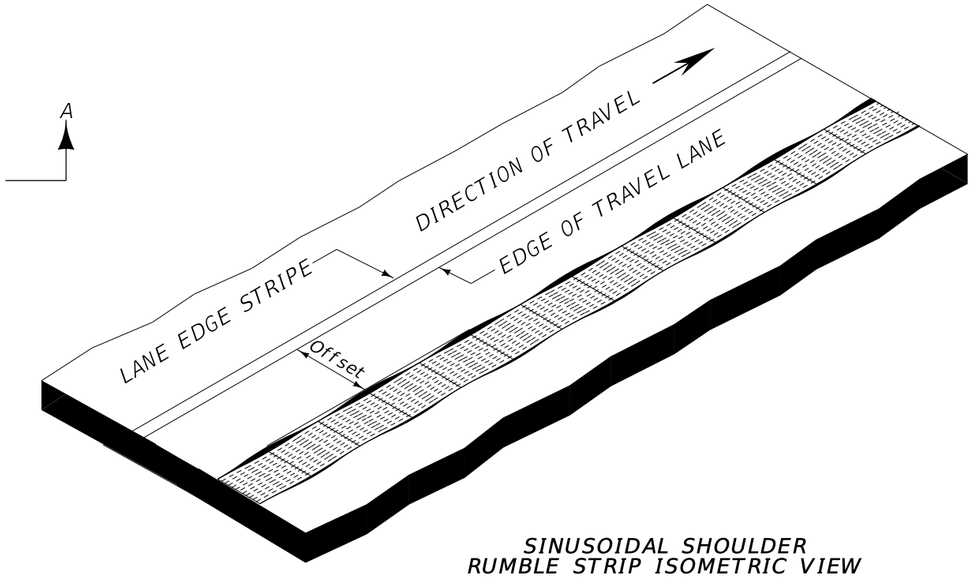


SECTION A-A

SECTION B-B



SECTION C-C



SINUSOIDAL SHOULDER
RUMBLE STRIP ISOMETRIC VIEW

STRIPE TO RUMBLE STRIP OFFSET
6"

NOTES:

SEE DETAIL DRAWING 411-02 FOR REQUIREMENTS FOR INTERMITTENT RUMBLE STRIP SPACING AND DISCONTINUING RUMBLE STRIPS AT PUBLIC APPROACHES, INTERSTATE RAMPS AND GUARDRAIL RUNS.

DO NOT INSTALL SINUSOIDAL SHOULDER RUMBLE STRIPS ON CONCRETE BRIDGE DECKS AND CONCRETE BRIDGE APPROACH SLABS.

MAXIMUM ±1/8" VERTICAL MILLING TOLERANCE ON INSTALLATION OF SINUSOIDAL SHOULDER RUMBLE STRIP.

SINUSOIDAL RUMBLE STRIP DETAIL

NO SCALE

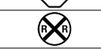
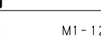
Morrison Maierle

SUMMARY
SIGNING & DELINEATION QUANTITIES

MATERIAL	TOTAL	UNIT
SIGNS-SHEET ALUMINUM-REFLECTIVE SHEETING(IV)	316.0	SQ. FOOT
SIGNS-SHEET ALUMINUM-REFLECTIVE SHEETING(XI)	467.7	SQ. FOOT
SIGNS-ALUMINUM SHEET INCREMENT SHEETING (IV)	218.5	SQ. FOOT
SIGNS-ALUMINUM SHEET INCREMENT SHEETING (XI)		SQ. FOOT
OVERLAY-SHEET ALUMINUM		SQ. FOOT
POSTS-STEEL "U"	220	POUNDS
POLES-TREATED WOOD-4" DIA.	706	LINEAR FT.
POLES-TREATED WOOD-5" DIA.	92	LINEAR FT.
POLES-TREATED TIMBER-CLASS 4		LINEAR FT.
POLES-TREATED TIMBER-CLASS 3		LINEAR FT.
POSTS-TUBULAR STEEL (ROUND)		POUNDS
POSTS-TUBULAR STEEL (SQUARE PERFORATED)		POUNDS
POSTS-STRUCTURAL STEEL		POUNDS
OVERHEAD STRUCTURE-METAL-CANTILEVER		EACH
OVERHEAD STRUCTURE-METAL-BRIDGE		EACH
HIGHWAY TRAFFIC STRIPING-WHITE		GAL.(S)
HIGHWAY TRAFFIC STRIPING-YELLOW		GAL.(S)
WORDS & SYMBOLS		GAL.(S)
DELINEATOR-DESIGN A	311	EACH
DELINEATOR-DESIGN B		EACH
DELINEATOR-DESIGN C		EACH
DELINEATOR-DESIGN D	28	EACH
DELINEATOR-DESIGN E		EACH
DELINEATOR-DESIGN F		EACH
DELINEATOR-DESIGN G		EACH
DELINEATOR-DESIGN H		EACH
REMOVE SIGNS	94	EACH
REMOVE SIGNS-GUIDE	15	EACH
RESET SIGNS		EACH
RESET SIGNS-GUIDE		EACH
FRANGIBLE SIGN POST BREAKAWAY DEVICE-		EACH
FRANGIBLE SIGN POST BREAKAWAY DEVICE-		EACH
SQUARE TUBULAR SLIPBASE BREAKAWAY DEVICE-3"		EACH

AWARD COPY

SIGN LOCATION AND SPECIFICATIONS

REF. POST	RAMP NO.	SIGN NO.	PANEL SIZE	REFL SHTG TYPE: BACK-GROUND	REFL SHTG TYPE: LEGEND	FEET: CLEARANCE	FEET: SIGN SUPPORT SPACING	FEET: TYPE OF SUPPORT	FEET: CANTILEVER	FEET: SUPPORT LENGTH (ESTIMATED)	FEET: SUPPORT LENGTH (INSTALLED)	FEET: MOUNTING HEIGHT	FEET: FOUNDATION DEPTH	SIGN PANEL (SQ. FT.): SHEET ALUMINUM	SIGN PANEL (SQ. FT.): ALUMINUM SHEET INCREMENT	SIGN PANEL (SQ. FT.): ALUMINUM SHEET OVERLAY	SIGN PANEL (SQ. FT.): 4" TOP DIA.	TIMBER POLE (LINEAR FT.): 5" TOP DIA.	TIMBER POLE (LINEAR FT.): 6" TOP DIA.	STEEL POST(LBS.): ROUND TUBULAR	STEEL POST(LBS.): SQUARE TUBULAR	STEEL POST(LBS.): STRUCTURAL STEEL	STEEL POST(LBS.): "U" POST	BREAKAWAY	SIGNS/GUIDE: REMOVE	SIGNS/GUIDE: RESET	SIGNS/GUIDE: REMOVE	SIGNS/GUIDE: RESET	REMARKS
RP 321.000 RT		(2)D10-3	10x36	IV	IV	4-0		2 LBS STEEL U		11-0		4-0	3-0	5.0(IV)									22		1					D10-3 = MILE 321 2 SIGNS MOUNTED BACK TO BACK
RP 321.265 RT		W3-5	36x36	XI	-	10-0		4" DIA POLE		14-0		5-0	3-0	9.0(XI)			14								1					
RP 321.270 LT		W14-3	36x48x48	XI	-	10-0		4" DIA POLE		12-6		5-0	3-0	5.5(XI)			14								1				FY	
RP 321.360 RT		D5-1	78x36	IV	-		REPLACE SIGN FACE ONLY					7-0			19.5(IV)											1			RSFO	
RP 321.401 LT		R2-11*	24x30	XI	-	10-0		4" DIA POLE		12-4		5-0	3-0	5.0(XI)			14								1					SPEED CHECKED BY RADAR
RP 321.436 LT		R2-6	24x30	XI	-	10-0		4" DIA POLE		12-4		5-0	3-0	5.0(XI)			14								1					 R2-6 = 60
RP 321.441 RT		I-5 M6-1R	24x24 21x15	IV IV	- -	10-0		4" DIA POLE		13-4		5-0	3-0	4.0(IV) 2.2(IV)			14								1					
RP 321.461 RT		R2-1	24x30	XI	-	10-0		4" DIA POLE		12-6		5-0	3-0	5.0(XI)			14								1					 R2-1 = 45
RP 321.481 LT		R2-1 R2-3a	24x30 24x18	XI XI	- -	10-0		4" DIA POLE		14-5		5-7	3-0	5.0(XI) 3.0(XI)			16								1					 R2-1 = 70 R2-3a = 65
RP 321.507 RT		D-3 D-3	42x10 42x10	IV IV	- -									2.9(IV) 2.9(IV)																D-3 = WASHINGTON AVE D-3 = WASHINGTON AVE
		D-3 D-3	42x10 42x10	IV IV	- -									2.9(IV) 2.9(IV)																D-3 = SEVENTH ST W D-3 = SEVENTH ST W
		R1-1	30x30	XI	XI	6-0		4" DIA POLE		13-4		5-0	3-0	5.2(XI)			14								1					
RP 321.511 RT		N6-1	48x24	IV	IV		REPLACE SIGN FACE ONLY					7-0			8.0(IV)											1			RSFO	N6-1 = ENTERING CHESTER
RP 321.561 LT		I-5 M6-1R	24x24 21x15	IV IV	- -	10-0		4" DIA POLE		13-4		5-0	3-0	4.0(IV) 2.2(IV)			14								1					
RP 321.586 LT		G1-321a	84x24	IV	IV		REPLACE SIGN FACE ONLY					7-0			14.0(IV)											1			RSFO	G1-321a = SHELBY 41
RP 321.612 RT		D-3 D-3	42x10 42x10	IV IV	- -									2.9(IV) 2.9(IV)																D-3 = WASHINGTON AVE D-3 = WASHINGTON AVE
		D-3 D-3	36x10 36x10	IV IV	- -									2.5(IV) 2.5(IV)																D-3 = SIXTH ST W D-3 = SIXTH ST W
		R1-1	30x30	XI	XI	6-0		4" DIA POLE		13-4		5-0	3-0	5.2(XI)			14								1					
RP 321.652 RT		R2-1	24x30	XI	-	10-0		4" DIA POLE		12-4		5-0	3-0	5.0(XI)			14								1					 R2-1 = 35
RP 321.652 LT		R2-1	24x30	XI	-	10-0		4" DIA POLE		12-4		5-0	3-0	5.0(XI)			14								1					 R2-1 = 45
RP 321.677 LT		D-3 D-3	42x10 42x10	IV IV	- -									2.9(IV) 2.9(IV)																D-3 = CEMETERY RD D-3 = CEMETERY RD
		D-3 D-3	36x10 36x10	IV IV	- -									2.5(IV) 2.5(IV)																D-3 = US HWY 2 D-3 = US HWY 2
		R1-1	30x30	XI	XI	6-0		4" DIA POLE		13-4		5-0	3-0	5.2(XI)			14								1					
RP 321.691 LT		W10-1	36"DIA	XI	-	10-0		4" DIA POLE		12-11		5-0	3-0	7.1(XI)			14								1					
RP 321.688 RT		M2-1 M1-12	21x15 24x24	XI XI	- -	10-0		4" DIA POLE		13-1		5-0	3-0	2.2(XI) 4.0(XI)			14								1					 M1-12 = 223
RP 321.708 RT		D9-2 M6-1R	24x24 21x15	IV IV	- -	10-0		4" DIA POLE		13-1		5-0	3-0	4.0(IV) 2.2(IV)			14								1					
RP 321.723 RT		G1-321b	120x24	IV	IV		REPLACE SIGN FACE ONLY					7-0			20.0(IV)											1				G1-321b = FORT BENTON W/ RT ARROW
RP 321.732 LT		M3-4 M1-4	24x12 24x24	XI XI	- -	10-0		4" DIA POLE		12-10		5-0	3-0	2.0(XI) 4.0(XI)			14								1					 M1-4 = 2
RP 321.738 RT		M1-12 M6-1R	24x24 21x15	XI XI	- -		REPLACE SIGN FACE ONLY					5-0		4.0(XI) 2.2(XI)											1				RSFO	 M1-12 = 223
RP 321.758 RT		D-3 D-3	42x10 42x10	IV IV	- -									2.9(IV) 2.9(IV)																D-3 = WASHINGTON AVE D-3 = WASHINGTON AVE
		D-3 D-3	36x10 36x10	IV IV	- -									2.5(IV) 2.5(IV)																D-3 = FITH ST W D-3 = FIFTH ST W
		R1-1	30x30	XI	XI		REPLACE SIGN FACE ONLY					7-0		5.2(XI)											1				RSFO	

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

FY = TYPE XI FLUORESCENT YELLOW SHEETING REQUIRED.

RSFO = *REPLACE SIGN FACE ONLY*

AWARD COPY

SIGN LOCATION AND SPECIFICATIONS

Morrison Maierle

REF. POST	RAMP NO.	SIGN NO.	PANEL SIZE	REFL SHTG TYPE: BACK-GROUND	REFL SHTG TYPE: LEGEND	FEET: CLEARANCE	FEET: SIGN SUPPORT SPACING	TYPE OF SUPPORT	FEET: CANTILEVER	FEET: SUPPORT LENGTH (ESTIMATED)	FEET: SUPPORT LENGTH (INSTALLED)	FEET: MOUNTING HEIGHT	FEET: FOUNDATION DEPTH	SIGN PANEL (SQ. FT.): SHEET ALUMINUM	SIGN PANEL (SQ. FT.): ALUMINUM SHEET INCREMENT	SIGN PANEL (SQ. FT.): ALUMINUM SHEET OVERLAY	TIMBER POLE (LINEAR FT.): 4" TOP DIA.	TIMBER POLE (LINEAR FT.): 5" TOP DIA.	STEEL POST(LBS.): ROUND TUBULAR	STEEL POST(LBS.): SQUARE TUBULAR	STEEL POST(LBS.): STRUCTURAL STEEL	STEEL POST(LBS.): "U" POST	BREAKAWAY	SIGNS/GUIDE: REMOVE	SIGNS/GUIDE: RESET	SIGNS/GUIDE: REMOVE	SIGNS/GUIDE: RESET	REMARKS
RP 321.764 LT		M1-12 M6-1L	24x24 21x15	XI XI	- -		REPLACE SIGN FACE ONLY					7-0		4.0(XI) 2.2(XI)										1				RSFO	223 ← M1-12 = 223
RP 321.774 LT		D9-2 M6-1L	24x30 24x6	IV IV	- -		REPLACE SIGN FACE ONLY					7-0		5.0(IV) 1.0(IV)										1				RSFO	H ←
RP 321.784 LT		G1-321c	120x24	IV	IV		REPLACE SIGN FACE ONLY					7-0			20.0(IV)											1		RSFO	G1-321c = FORT BENTON W/ LT ARROW
RP 321.789 RT		D-3 D-3	42x10 42x10	IV IV	- -									2.9(IV) 2.9(IV)															D-3 = WASHINGTON AVE D-3 = WASHINGTON AVE
		D-3 D-3	42x10 42x10	IV IV	- -									2.9(IV) 2.9(IV)															D-3 = FOURTH ST W D-3 = FOURTH ST W
		R1-1	30x30	XI	XI		REPLACE SIGN FACE ONLY					7-0		5.2(XI)										1				RSFO	STOP
RP 321.794 RT		M3-2 M1-4	USE AS IS																										EAST 2 M1-4 = 2
RP 321.819 LT		M2-1 M1-12	21x15 24x24	XI XI	- -		REPLACE SIGN FACE ONLY					7-0		2.2(XI) 4.0(XI)										1				RSFO	JCT 223 M1-12 = 223
RP 321.829 RT		R2-1	36x48	XI	-		REPLACE SIGN FACE ONLY					7-0		12.0(XI)										1				RSFO	SPEED LIMIT 25 R2-1 = 25
RP 321.829 LT		R2-1	USE AS IS																										SPEED LIMIT 35 R2-1 = 35
RP 321.864 LT		D5-5A D5-5AR	30x30 24x6	IV IV	- -									6.3(IV) 1.0(IV)															
		D5-5A D5-5AL	30x30 24x6	IV IV	- -		REPLACE SIGN FACE ONLY					7-0		6.3(IV) 1.0(IV)										1				RSFO	MOUNTED BACK TO BACK
RP 321.865 RT		D-3 D-3	42x10 42x10	IV IV	- -									2.9(IV) 2.9(IV)															D-3 = WASHINGTON AVE D-3 = WASHINGTON AVE
		D-3 D-3	36x10 36x10	IV IV	- -									2.5(IV) 2.5(IV)															D-3 = THIRD ST W D-3 = THIRD ST W
		R1-1	30x30	XI	XI		REPLACE SIGN FACE ONLY					7-0		5.2(XI)										1				RSFO	STOP
RP 321.929 RT		D-3 D-3	42x10 42x10	IV IV	- -									2.9(IV) 2.9(IV)															D-3 = WASHINGTON AVE D-3 = WASHINGTON AVE
		D-3 D-3	42x10 42x10	IV IV	- -									2.9(IV) 2.9(IV)															D-3 = SECOND ST W D-3 = SECOND ST W
		R1-1	30x30	XI	XI		REPLACE SIGN FACE ONLY					7-0		5.2(XI)										1				RSFO	STOP
RP 321.999 RT		D-3 D-3	42x10 42x10	IV IV	- -									2.9(IV) 2.9(IV)															D-3 = WASHINGTON AVE D-3 = WASHINGTON AVE
		D-3 D-3	36x10 36x10	IV IV	- -									2.5(IV) 2.5(IV)															D-3 = FIRST ST W D-3 = FIRST ST W
		R1-1	30x30	XI	XI		REPLACE SIGN FACE ONLY					7-0		5.2(XI)										1				RSFO	STOP
RP 322.040 RT		R2-1	24x30	XI	-		REPLACE SIGN FACE ONLY					7-0		5.0(XI)										1				RSFO	SPEED LIMIT 25 R2-1 = 25
RP 322.050 RT		S1-1 W16-9p	36x36 24x12	XI XI	- -		REPLACE SIGN FACE ONLY					7-7		6.8(XI) 2.0(XI)										1				RSFO FYG	AHEAD
RP 322.070 RT		D-3 D-3	42x10 42x10	IV IV	- -									2.9(IV) 2.9(IV)															D-3 = WASHINGTON AVE D-3 = WASHINGTON AVE
		D-3 D-3	30x10 30x10	IV IV	- -									2.1(IV) 2.1(IV)															D-3 = MAIN ST D-3 = MAIN ST
		R1-1	30x30	XI	XI		REPLACE SIGN FACE ONLY					7-0		5.2(XI)										1				RSFO	STOP
RP 322.090 LT		R2-1	24x30	XI	-		REPLACE SIGN FACE ONLY					7-0		5.0(XI)										1				RSFO	SPEED LIMIT 25 R2-1 = 25
RP 322.122 RT		S1-1 W16-7Lp	36x36 24x12	XI XI	- -		REPLACE SIGN FACE ONLY					7-7		6.8(XI) 2.0(XI)										1				RSFO FYG	
RP 322.130 LT		D-3 D-3	42x10 42x10	IV IV	- -									2.9(IV) 2.9(IV)															D-3 = WASHINGTON AVE D-3 = WASHINGTON AVE
		D-3 D-3	36x10 36x10	IV IV	- -									2.5(IV) 2.5(IV)															D-3 = FIRST ST E D-3 = FIRST ST E
		R1-1	30x30	XI	XI		REPLACE SIGN FACE ONLY					7-0		5.2(XI)										1				RSFO	STOP

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

FYG = TYPE XI FLUORESCENT YELLOW-GREEN SHEETING REQUIRED.

RSFO = REPLACE SIGN FACE ONLY

AWARD COPY

SIGN LOCATION AND SPECIFICATIONS

REF. POST		SIGN NO.	PANEL SIZE	REFL SHTG TYPE: BACK-GROUND	REFL SHTG TYPE: LEGEND	FEET: CLEARANCE	FEET: SIGN SUPPORT SPACING	FEET: TYPE OF SUPPORT	FEET: CANTILEVER	FEET: SUPPORT LENGTH (ESTIMATED)	FEET: SUPPORT LENGTH (INSTALLED)	FEET: MOUNTING HEIGHT	FEET: FOUNDATION DEPTH	SIGN PANEL (SQ. FT.): SHEET ALUMINUM	SIGN PANEL (SQ. FT.): ALUMINUM SHEET INCREMENT	SIGN PANEL (SQ. FT.): ALUMINUM SHEET OVERLAY	TIMBER POLE (LINEAR FT.): 4" TOP DIA.	TIMBER POLE (LINEAR FT.): 5" TOP DIA.	STEEL POST(LBS.): ROUND TUBULAR	STEEL POST(LBS.): SQUARE TUBULAR	STEEL POST(LBS.): STRUCTURAL STEEL	STEEL POST(LBS.): "U" POST	BREAK AWAY	SIGNS REMOVE	SIGNS RESET	GUIDE REMOVE	GUIDE RESET	REMARKS
RP 322.140 RT		R6-1R	36x12	XI	-		REPLACE SIGN FACE ONLY				7-0		3.0(XI)									1				RSFO	ONE WAY
RP 322.148 LT		S1-1 W16-7Rp	36x36 24x12	XI XI	- -		REPLACE SIGN FACE ONLY				7-7		6.8(XI) 2.0(XI)									1				RSFO FYG	
RP 322.203 LT		D9-99 D9-99R																									
		D9-99 D9-99R	USE AS IS																								MOUNTED BACK TO BACK
RP 322.208 RT		D-3 D-3	42x10 42x10	IV IV	- -									2.9(IV) 2.9(IV)													D-3 = WASHINGTON AVE D-3 = WASHINGTON AVE
		D-3 D-3	42x10 42x10	IV IV	- -									2.9(IV) 2.9(IV)													D-3 = SECOND ST E D-3 = SECOND ST E
		R1-1	30x30	XI	XI		REPLACE SIGN FACE ONLY				7-0		5.2(XI)									1				RSFO	STOP
RP 322.218 LT		S1-1 W16-9p	36x36 24x12	XI XI	- -		REPLACE SIGN FACE ONLY				7-7		6.8(XI) 2.0(XI)									1				RSFO FYG	AHEAD
RP 322.276 RT		D-3 D-3	42x10 42x10	IV IV	- -									2.9(IV) 2.9(IV)													D-3 = WASHINGTON AVE D-3 = WASHINGTON AVE
		D-3 D-3	36x10 36x10	IV IV	- -									2.5(IV) 2.5(IV)													D-3 = THIRD ST E D-3 = THIRD ST E
		R1-1	30x30	XI	XI		REPLACE SIGN FACE ONLY				7-0		5.2(XI)									1				RSFO	STOP
RP 322.316 LT		D5-2L	72x36	IV	-		REPLACE SIGN FACE ONLY				7-0			18.0(IV)										1		RSFO	REST AREA
RP 322.411 LT		D5-2R	72x36	IV	-		REPLACE SIGN FACE ONLY				7-0			18.0(IV)										1		RSFO	REST AREA
RP 322.406 RT		N6-2	48x18	IV	IV		REPLACE SIGN FACE ONLY				7-0			6.0(IV)										1		RSFO	N6-2 = COTTONWOOD CREEK
RP 322.426 LT		N6-2	48x18	IV	IV		REPLACE SIGN FACE ONLY				7-0			6.0(IV)										1		RSFO	N6-2 = COTTONWOOD CREEK
RP 322.433 RT		D-3 D-3	42x10 42x10	IV IV	- -								2.9(IV) 2.9(IV)														D-3 = WASHINGTON AVE D-3 = WASHINGTON AVE
		D-3 D-3	36x10 36x10	IV IV	- -								2.5(IV) 2.5(IV)														D-3 = FIFTH ST E D-3 = FIFTH ST E
		R1-1	30x30	XI	XI		REPLACE SIGN FACE ONLY				7-0		5.2(XI)									1				RSFO	STOP
RP 322.436 RT		R2-1	24x30	XI	-		REPLACE SIGN FACE ONLY				7-0		5.0(XI)									1				RSFO	SPEED LIMIT 35
RP 322.451 LT		R2-1	36x48	XI	-		MOUNTED ON LIGHT POLE				7-0		5.0(XI)									1					SPEED LIMIT 25 R2-1 = 25
RP 322.495 RT		R3-9j	24x42	XI	-		REPLACE SIGN FACE ONLY				7-0		7.0(XI)									1				RSFO	BEGIN LANE CLOSURE
RP 322.495 LT		R3-9k	24x42	XI	-		MOUNTED ON LIGHT POLE				7-0		7.0(XI)									1					END LANE CLOSURE
RP 322.505 RT		D-3 D-3	42x10 42x10	IV IV	- -								2.9(IV) 2.9(IV)														D-3 = WASHINGTON AVE D-3 = WASHINGTON AVE
		D-3 D-3	36x10 36x10	IV IV	- -								2.5(IV) 2.5(IV)														D-3 = SIXTH ST E D-3 = SIXTH ST E
		R1-1	30x30	XI	XI						7-0		5.2(XI)									1					STOP
RP 322.635 RT		D-3 D-3	42x10 42x10	IV IV	- -								2.9(IV) 2.9(IV)														D-3 = WASHINGTON AVE D-3 = WASHINGTON AVE
		D-3 D-3	36x10 36x10	IV IV	- -								2.5(IV) 2.5(IV)														D-3 = EIGHTH ST E D-3 = EIGHTH ST E
		R1-1	30x30	XI	XI		REPLACE SIGN FACE ONLY				7-0		5.2(XI)									1				RSFO	STOP
RP 322.672 LT		N6-1	48x24	IV	IV		REPLACE SIGN FACE ONLY				7-0			8.0(IV)										1		RSFO	N6-1 = ENTERING CHESTER
RP 322.742 LT		R2-1	24x30	XI	-		REPLACE SIGN FACE ONLY				7-0		5.0(XI)									1				RSFO	SPEED LIMIT 35 R2-1 = 35

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

FYG = TYPE XI FLUORESCENT YELLOW-GREEN SHEETING REQUIRED.

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AWARD COPY

SIGN LOCATION AND SPECIFICATIONS

REF. POST		SIGN NO.	PANEL SIZE	REFL SHTG TYPE: BACK-GROUND	REFL SHTG TYPE: LEGEND	FEET: CLEARANCE	FEET: SIGN SUPPORT SPACING	TYPE OF SUPPORT	FEET: CANTILEVER	FEET: SUPPORT LENGTH (ESTIMATED)	FEET: SUPPORT LENGTH (INSTALLED)	FEET: MOUNTING HEIGHT	FEET: FOUNDATION DEPTH	SIGN PANEL (SQ. FT.): SHEET ALUMINUM	SIGN PANEL (SQ. FT.): ALUMINUM SHEET INCREMENT	SIGN PANEL (SQ. FT.): ALUMINUM SHEET OVERLAY	TIMBER POLE (LINEAR FT.): 4" TOP DIA.	TIMBER POLE (LINEAR FT.): 5" TOP DIA.	STEEL POST(LBS.): ROUND TUBULAR	STEEL POST(LBS.): SQUARE TUBULAR	STEEL POST(LBS.): STRUCTURAL STEEL	STEEL POST(LBS.): "U" POST	BREAKAWAY	SIGNS/GUIDE REMOVE	SIGNS/GUIDE RESET	REMOVE	RESET	REMARKS
RP 322.744 RT		R2-1	24x30	XI	-		REPLACE SIGN FACE ONLY				7-0		5.0(XI)										1					SPEED LIMIT 45 R2-1 = 45
RP 322.758 LT		D-3 D-3	30x10 30x10	IV IV	- -								2.1(IV) 2.1(IV)															D-3 = LAIRD RD D-3 = LAIRD RD
		D-3 D-3	36x10 36x10	IV IV	- -								2.5(IV) 2.5(IV)															D-3 = US HWY 2 D-3 = US HWY 2
		R1-1	30x30	XI	XI	2-0		4" DIA POLE		11-0		5-0	3-0	5.2(XI)										1					STOP
RP 322.763 RT		R1-1	USE AS IS																										STOP
RP 322.772 RT		R3-9k	24x42	XI	-		REPLACE SIGN FACE ONLY				7-0		7.0(XI)										1				BBR	END SPEED LIMIT 45 BEGIN SPEED LIMIT 35
RP 322.772 LT		R3-9j	24x42	XI	-		REPLACE SIGN FACE ONLY				5-0		7.0(XI)										1				BBR	BEGIN SPEED LIMIT 45
RP 322.778 RT		N7-1 N7-1p	USE AS IS																										
RP 322.778 LT		N7-1 N7-1p	USE AS IS																										
RP 322.795 RT		M3-2 M1-4	24x12 24x24	XI XI	- -	10-0		4" DIA POLE		12-10		5-0	3-0	2.0(XI) 4.0(XI)										1					EAST 2 M1-4 = 2
RP 322.833 RT		G1-322	90x36	IV	IV	20-0	4-6	5" DIA POLE		x=17-1 y=17-10		7-0	3-6		22.5(IV)			36					X		1			G1-322 = JOPLIN 10 / HAVRE 60
RP 322.844 RT		W14-3	36x48x48	XI	-	10-0		4" DIA POLE		12-6		5-0	3-0	5.5(XI)										1				FY	TRUCKS DOUBLE SPEED
RP 322.992 RT		R2-1 R2-3a	24x30 24x18	XI XI	- -	10-0		4" DIA POLE		13-1		5-7	3-0	5.0(XI) 3.0(XI)										1					SPEED LIMIT 70 SPEED LIMIT 65 R2-1 = 70 R2-3a = 65
RP 322.992 LT		R2-1	24x30	XI	-	10-0		4" DIA POLE		12-4		5-0	5-0	5.0(XI)										1					SPEED LIMIT 45 R2-1 = 45
RP 323.000 RT		(2)D10-3	10x36	IV	IV	4-0		2 LBS STEEL U		11-0		4-0	3-0	5.0(IV)									22		1				D10-3 = MILE 323 2 SIGNS MOUNTED BACK TO BACK
RP 323.006 RT		R2-6	USE AS IS																										TRUCK SPEED LIMIT 60 R2-6 = 60
RP 323.118 LT		W3-5	36x36	XI	-	10-0		4" DIA POLE		14-0		5-0	3-0	9.0(XI)										1					TRUCKS USE LOW GEAR
RP 323.304 LT		D5-1	66x36	IV	-		REPLACE SIGN FACE ONLY				7-0				16.5(IV)										1		RSFO	REST AREA 1 MILE
RP 324.000 RT		(2)D10-3	10x36	IV	IV	4-0		2 LBS STEEL U		11-0		4-0	3-0	5.0(IV)									22		1				D10-3 = MILE 324 2 SIGNS MOUNTED BACK TO BACK
RP 324.001 LT		W14-3	36x48x48	XI	-	10-0		4" DIA POLE		12-6		5-0	3-0	5.5(XI)										1				FY	TRUCKS DOUBLE SPEED
RP 324.331 RT		W14-3	36x48x48	XI	-	10-0		4" DIA POLE		12-6		5-0	3-0	5.5(XI)										1				FY	TRUCKS DOUBLE SPEED
RP 324.715 LT		D-3 D-3	30x10 30x10	IV IV	- -									2.1(IV) 2.1(IV)															D-3 = 1700 NE D-3 = 1700 NE
		D-3 D-3	36x10 36x10	IV IV	- -									2.5(IV) 2.5(IV)															D-3 = US HWY 2 D-3 = US HWY 2
		R1-1	30x30	XI	XI	6-0		4" DIA POLE		11-9		5-0	3-0	5.2(XI)										1					STOP
RP 324.830 LT		W10-1	36"DIA	XI	-	10-0		4" DIA POLE		12-11		5-0	3-0	7.1(XI)										1					RAIL ROAD
RP 324.999 RT		N7-1 N7-1p	USE AS IS																										
RP 324.999 LT		N7-1 N7-1p	USE AS IS																										
RP 325.000 RT		(2)D10-3	10x36	IV	IV	4-0		2 LBS STEEL U		11-0		4-0	3-0	5.0(IV)									22		1				D10-3 = MILE 325 2 SIGNS MOUNTED BACK TO BACK
RP 325.686 LT		W14-3	36x48x48	XI	-	10-0		4" DIA POLE		12-6		5-0	3-0	5.5(XI)										1				FY	TRUCKS DOUBLE SPEED
RP 326.000 RT		(2)D10-3	10x36	IV	IV	4-0		2 LBS STEEL U		11-0		4-0	3-0	5.0(IV)									22		1				D10-3 = MILE 326 2 SIGNS MOUNTED BACK TO BACK
RP 326.052 RT		W14-3	36x48x48	XI	-	10-0		4" DIA POLE		12-6		5-0	3-0	5.5(XI)										1				FY	TRUCKS DOUBLE SPEED
RP 326.990 RT		N7-1 N7-1p	USE AS IS																										

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

FY = TYPE XI FLUORESCENT YELLOW SHEETING REQUIRED.

BBR = BACKBRACING REQUIRED:
- FOR WOOD POST 2" x 4" REQ'D.
- FOR STRUCTURAL STEEL 2" x 2" x 1/4" ANGLE IRON REQ'D.

RSFO = REPLACE SIGN FACE ONLY

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

AWARD COPY

SIGN LOCATION AND SPECIFICATIONS

REF. POST		SIGN NO.	PANEL SIZE	REFL SHTG TYPE BACK-GROUND	REFL SHTG TYPE LEGEND	FEET CLEARANCE	FEET SIGN SUPPORT SPACING	TYPE OF SUPPORT	FEET CANTILEVER	FEET SUPPORT LENGTH (ESTIMATED)	FEET SUPPORT LENGTH (INSTALLED)	FEET MOUNTING HEIGHT	FEET FOUNDATION DEPTH	SIGN PANEL (SQ. FT.) SHEET ALUMINUM	SIGN PANEL (SQ. FT.) ALUMINUM SHEET INCREMENT	SIGN PANEL (SQ. FT.) ALUMINUM SHEET OVERLAY	TIMBER POLE (LINEAR FT.) 4" TOP DIA.	TIMBER POLE (LINEAR FT.) 5" TOP DIA.	STEEL POST(LBS.) ROUND TUBULAR	STEEL POST(LBS.) SQUARE TUBULAR	STEEL POST(LBS.) STRUCTURAL STEEL	STEEL POST(LBS.) "U" POST	BREAKAWAY	SIGNS/GUIDE REMOVE	SIGNS/GUIDE RESET	SIGNS/GUIDE REMOVE	SIGNS/GUIDE RESET	REMARKS
RP 326.900 LT		N7-1 N7-1p	USE AS IS																									
RP 327.000 RT		(2)D10-3	10x36	IV	IV	4-0		2 LBS STEEL U		11-0		4-0	3-0	5.0(IV)								22		1					D10-3 = MILE 327 2 SIGNS MOUNTED BACK TO BACK
RP 327.048 RT		D7-3L	USE AS IS																									HISTORIC POINT 1/2 MI
RP 327.083 LT		W14-3	36x48x48	XI	-	10-0		4" DIA POLE		12-6		5-0	3-0	5.5(XI)			14							1				FY	SLOW 25 MPH
RP 327.235 RT		D6-4c	48x30	IV	-	10-0		5" DIA POLE		12-6		5-0	3-6	12.0(IV)				14					X	1					TELEPHONE PULLOUT 1/4 MILE
RP 327.560 RT		D7-4L	USE AS IS																									HISTORIC POINT
RP 327.678 LT		D7-4R	USE AS IS																									HISTORIC POINT
RP 328.000 RT		(2)D10-3	10x36	IV	IV	4-0		2 LBS STEEL U		11-0		4-0	3-0	5.0(IV)								22		1					D10-3 = MILE 328 2 SIGNS MOUNTED BACK TO BACK
RP 328.057 LT		D6-4c	48x30	IV	-	10-0		5" DIA POLE		12-6		5-0	3-6	12.0(IV)				14					X	1					TELEPHONE PULLOUT 1/4 MILE
RP 328.198 LT		D7-3R	USE AS IS																									HISTORIC POINT 1/2 MI
RP 328.560 LT		R1-1	30x30	XI	XI	6-0		4" DIA POLE		12-6		5-0	3-0	5.2(XI)			14							1					STOP
RP 328.570 RT		R1-1	30x30	XI	XI	6-0		4" DIA POLE		12-6		5-0	3-0	5.2(XI)			14							1					STOP
RP 328.998 LT		N7-1 N7-1p	USE AS IS																									
RP 329.000 RT		(2)D10-3	USE AS IS																									D10-3 = MILE 329 2 SIGNS MOUNTED BACK TO BACK
RP 329.106 LT		W14-3	36x48x48	XI	-	10-0		4" DIA POLE		13-0		5-0	3-0	5.5(XI)			14							1				FY	SLOW 25 MPH
RP 329.231 LT		N6-5	48x24	IV	IV	30-0	2-4	4" DIA POLE		x=17-1 y=17-6		7-0	3-0		8.0(IV)		36								1				N6-5 = SWEET GRASS HILLS
RP 329.565 RT		W14-3	36x48x48	XI	-	10-0		4" DIA POLE		12-6		5-0	3-0	5.5(XI)			14							1				FY	SLOW 25 MPH
RP 329.578 LT		D-3 D-3	30x10 30x10	IV IV	- -									2.1(IV) 2.1(IV)														D-3 = 2100 RD E D-3 = 2100 RD E
		D-3 D-3	36x10 36x10	IV IV	- -									2.5(IV) 2.5(IV)														D-3 = US HWY 2 D-3 = US HWY 2
		R1-1	30x30	XI	XI	6-0		4" DIA POLE		13-2		5-0	3-0	5.2(XI)			14							1					STOP
RP 329.588 RT		D-3 D-3																										D-3 = 2100 RD E D-3 = 2100 RD E
		D-3 D-3																										D-3 = US HWY 2 D-3 = US HWY 2
		R1-1	USE AS IS																									STOP
RP 329.643 LT		W14-3	36x48x48	XI	-	10-0		4" DIA POLE		12-6		5-0	3-0	5.5(XI)			14							1				FY	SLOW 25 MPH
RP 330.000 RT		(2)D10-3	10x36	IV	IV	4-0		2 LBS STEEL U		11-0		4-0	3-0	5.0(IV)								22		1					D10-3 = MILE 330 2 SIGNS MOUNTED BACK TO BACK
RP 330.422 LT		W14-3	36x48x48	XI	-	10-0		4" DIA POLE		12-6		5-0	3-0	5.5(XI)			14							1				FY	SLOW 25 MPH
RP 330.920 LT		W14-3	36x48x48	XI	-	10-0		4" DIA POLE		12-6		5-0	3-0	5.5(XI)			14							1				FY	SLOW 25 MPH
RP 331.000 RT		(2)D10-3	10x36	IV	IV	4-0		2 LBS STEEL U		11-0		4-0	3-0	5.0(IV)								22		1					D10-3 = MILE 331 2 SIGNS MOUNTED BACK TO BACK
RP 331.211 RT		W14-3	36x48x48	XI	-	10-0		4" DIA POLE		12-6		5-0	3-0	5.5(XI)			14							1				FY	SLOW 25 MPH
RP 331.537 LT		W14-3	36x48x48	XI	-	10-0		4" DIA POLE		12-6		5-0	3-0	5.5(XI)			14							1				FY	SLOW 25 MPH

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

FY = TYPE XI FLUORESCENT YELLOW SHEETING REQUIRED.

■ = FRANGIBLE SIGN POST BREAKAWAY DEVICE REQUIRED.

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

AWARD COPY

SIGN LOCATION AND SPECIFICATIONS

Morrison Maierle

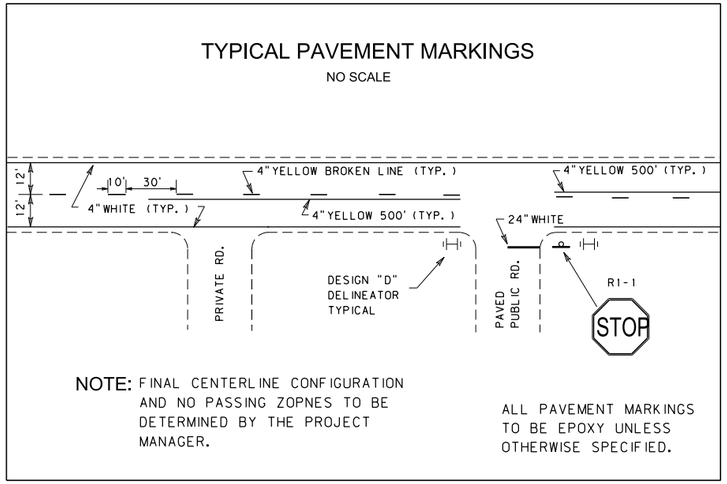
REF. POST		SIGN NO.	PANEL SIZE	REFL SHTG TYPE: BACK-GROUND	REFL SHTG TYPE: LEGEND	FEET: CLEARANCE	FEET: SIGN SUPPORT SPACING	TYPE OF SUPPORT	FEET: CANTILEVER	FEET: SUPPORT LENGTH (ESTIMATED)	FEET: SUPPORT LENGTH (INSTALLED)	FEET: MOUNTING HEIGHT	FEET: FOUNDATION DEPTH	SIGN PANEL (SQ. FT.): SHEET ALUMINUM	SIGN PANEL (SQ. FT.): ALUMINUM SHEET INCREMENT	SIGN PANEL (SQ. FT.): ALUMINUM SHEET OVERLAY	TIMBER POLE (LINEAR FT.): 4" TOP DIA.	TIMBER POLE (LINEAR FT.): 5" TOP DIA.	STEEL POST(LBS.): ROUND TUBULAR	STEEL POST(LBS.): SQUARE TUBULAR	STEEL POST(LBS.): STRUCTURAL STEEL	STEEL POST(LBS.): "U" POST	BREAKAWAY	SIGNS/GUIDE: REMOVE	SIGNS/GUIDE: RESET	SIGNS/GUIDE: REMOVE	SIGNS/GUIDE: RESET	REMARKS
RP 331.608 RT		D-3 D-3	42x10 42x10	IV IV	- -									2.9(IV) 2.9(IV)														D-3 = S JOPLIN RD D-3 = S JOPLIN RD
		D-3 D-3	36x10 36x10	IV IV	- -									2.5(IV) 2.5(IV)														D-3 = US HWY 2 D-3 = US HWY 2
		R1-1	30x30	XI	XI	6-0		4" DIA POLE		12-6		5-0	3-0	5.2(XI)			14					1						STOP
RP 331.664 RT		M2-1 M1-12	21x15 24x24	XI XI	- -	10-0		4" DIA POLE		12-4		5-0	3-0	2.2(XI) 4.0(XI)			14					1						JCT 224 M1-12 = 224
RP 331.724 RT		G1-331a	78x24	IV	IV		REPLACE SIGN FACE ONLY					7-0			13.0(IV)										1			G1-331a = LEFT AROW/JOPLIN
RP 331.849 RT		M1-12 M6-1L	24x24 21x15	XI XI	- -									4.0(XI) 2.2(XI)														224 ← M1-12 = 224
		M1-4 M6-3	24x24 21x15	XI XI	- -	10-0		5" DIA POLE		13-10		5-0	3-6	4.0(XI) 2.2(XI)				14				X 1						2 ↑ M1-4 = 2
RP 331.854 LT		R1-1	30x30	XI	XI	6-0		4" DIA POLE		12-6		5-0	3-0	5.2(XI)			14					1						STOP
RP 331.876 LT		G1-331b	78x24	IV	IV		REPLACE SIGN FACE ONLY					7-0			13.0(IV)										1			G1-331b = JOPLIN/RIGHT ARROW
RP 331.880 LT		M1-4 M6-3	24x24 21x15	XI XI	- -									4.0(XI) 2.2(XI)														2 ↑ M1-4 = 2
		M1-12 M6-1R	24x24 21x15	XI XI	- -	10-0		5" DIA POLE		13-10		5-0	3-6	4.0(XI) 2.2(XI)				14				X 1						224 → M1-12 = 224
RP 332.000 RT		(2)D10-3	10x36	IV	IV	4-0		2 LBS STEEL U		11-0		4-0	3-0	5.0(IV)							22	1						D10-3 = MILE 332 2 SIGNS MOUNTED BACK TO BACK
RP 332.045 RT		W14-3	36x48x48	XI	-	10-0		4" DIA POLE		12-6		5-0	3-0	5.5(XI)			14					1						
RP 332.059 LT		M2-1 M1-12	USE AS IS																									JCT 224 M1-12 = 224
RP 332.594 LT		N6-3	USE AS IS																									N6-3 = LIBERTY COUNTY
RP 332.604 LT		R1-1	30x30	XI	XI	6-0		4" DIA POLE		12-6		5-0	3-0	5.2(XI)			14					1						STOP
RP 332.619 RT		R1-1	30x30	XI	XI	6-0		4" DIA POLE		12-6		5-0	3-0	5.2(XI)			14					1						STOP
RP 332.625 RT		N6-3	48x24	IV	IV	20-0		4" DIA POLE		13-7		5-0	3-0		8.0(IV)		14					1						N6-3 = HILL COUNTY
TOTALS														316.0(IV) 467.7(XI)	218.5(IV)		706	92			220		94		15		

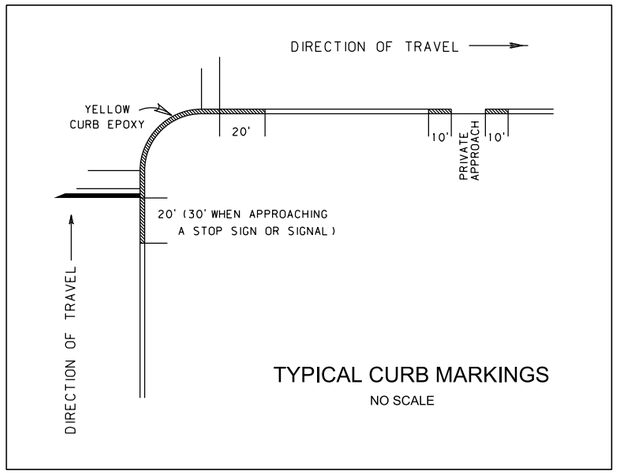
MOUNTING HEIGHT REQUIREMENTS:
MOUNTING HEIGHTS SHOWN REFER TO THE BOTTOM OF THE MAJOR PANEL. SEE DETAILED DRAWINGS 619-00 & 619-08.

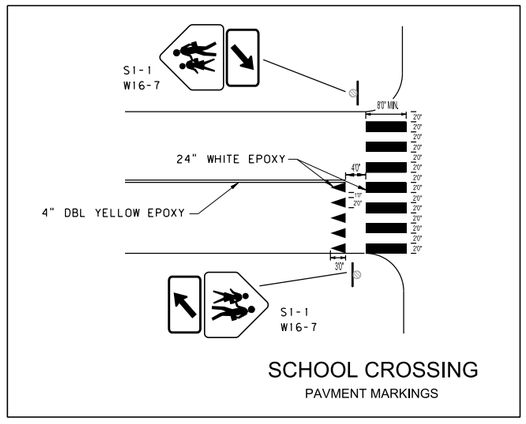
X = STANDARD BREAKAWAY DEVICE:
- FOR WOOD POST SEE DETAILED DRAWING 619-20.
- FOR STRUCTURAL STEEL SEE DETAILED DRAWING 619-13.

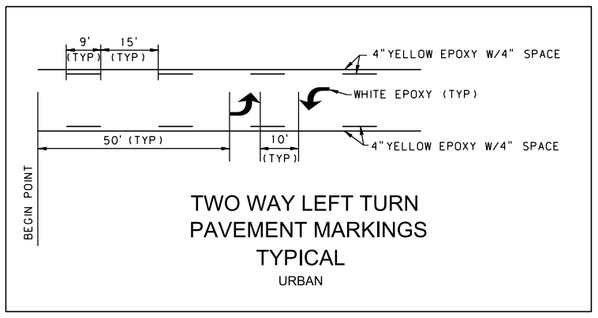
DELINEATOR LEGEND		
⊣	DESIGN "A"	311
⊣	DESIGN "B"	
⊣	DESIGN "C"	
⊣	DESIGN "D"	28
⊣	DESIGN "E"	
⊣	DESIGN "F"	
⊣	DESIGN "G"	
⊣	DESIGN "H"	
⊣	DESIGN "J"	

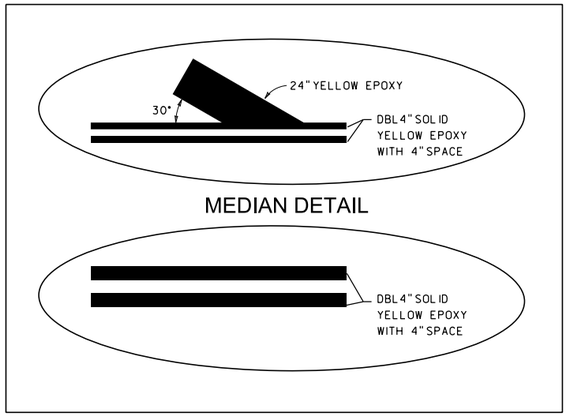
DETAILS


TYPICAL PAVEMENT MARKINGS
NO SCALE
12'
12'
10'
30'
4" WHITE (TYP.)
4" YELLOW BROKEN LINE (TYP.)
4" YELLOW 500' (TYP.)
4" YELLOW 500' (TYP.)
24" WHITE
PRIVATE RD.
DESIGN "D" DELINEATOR TYPICAL
PAVED PUBLIC RD.
R1-1
STOP
NOTE: FINAL CENTERLINE CONFIGURATION AND NO PASSING ZOPNES TO BE DETERMINED BY THE PROJECT MANAGER.
ALL PAVEMENT MARKINGS TO BE EPOXY UNLESS OTHERWISE SPECIFIED.


DIRECTION OF TRAVEL
YELLOW CURB EPOXY
20'
10'
10'
PRIVATE APPROACH
20' (30' WHEN APPROACHING A STOP SIGN OR SIGNAL)
DIRECTION OF TRAVEL
TYPICAL CURB MARKINGS
NO SCALE


S1-1
W16-7
8' MIN.
24" WHITE EPOXY
4" DBL YELLOW EPOXY
4'
30'
S1-1
W16-7
SCHOOL CROSSING
PAVMENT MARKINGS


9' (TYP)
15' (TYP)
4" YELLOW EPOXY W/4" SPACE
WHITE EPOXY (TYP)
50' (TYP)
10' (TYP)
4" YELLOW EPOXY W/4" SPACE
BEGIN POINT
TWO WAY LEFT TURN
PAVEMENT MARKINGS
TYPICAL
URBAN


24" YELLOW EPOXY
30°
DBL 4" SOLID YELLOW EPOXY WITH 4" SPACE
MEDIAN DETAIL
DBL 4" SOLID YELLOW EPOXY WITH 4" SPACE