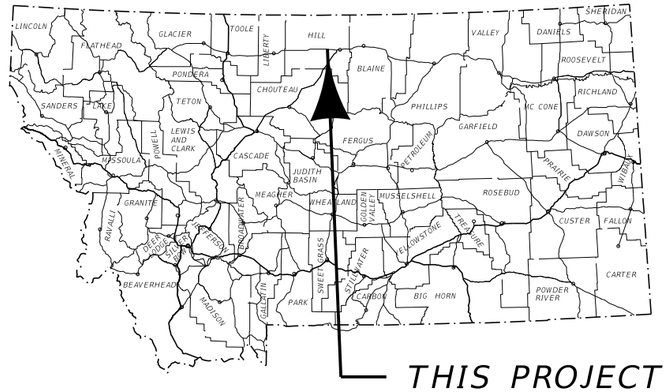
AWARD COPY



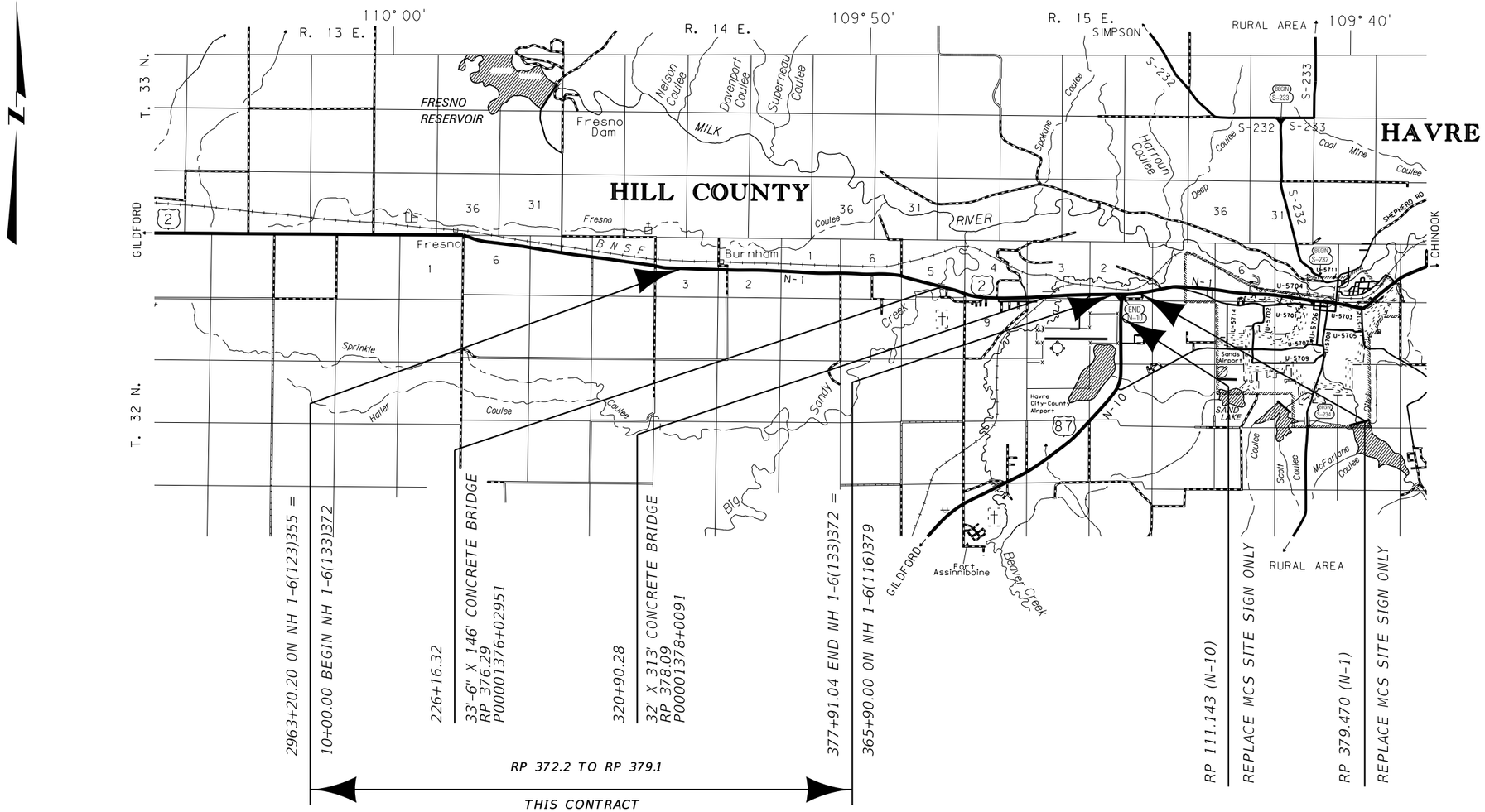
MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT NH 1-6(133)372
CRACK SEAL, SEAL & COVER
HAVRE - WEST
HILL COUNTY

LETTING DATE - _____

LENGTH 7.0 MILES

SURFACING SOURCES -
CONTRACTOR FURNISHED



3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9591000rdttl001.dgn	DESIGNED BY	Zach Moeller	10/3/2019	ROAD PLANS
2		12/27/2019	REVIEWED BY	Jeania Cereck	10/9/2019	
		9:33:07 AM CPS - U5963	CHECKED BY	Jerry Sabol	10/31/2019	UPN 9591000

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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 CEMENT - GRADE S - 3/4" AGG.	= 5.4% OF PL.MIX BIT.SURF.
ASPHALT CEMENT - GRADE S - 1/2" AGG.	= 5.8% OF PL.MIX BIT.SURF.
HYDRATED LIME	= 1.4% OF PL.MIX BIT.SURF.
BITUMINOUS MATERIAL	= 8.5 LBS. PER GAL.
EMULSIFIED ASPHALT - TACK (ALL OTHER SURFACES)	= 0.05 GAL. PER SQ.YARD (UNDILUTED)
SEAL	= 0.42 GAL. PER SQ.YARD
COVER	= 25 LBS. PER SQ.YARD
CRACK SEALANT (NEW)	= 0.50 LBS PER LN. FOOT
CRACK SEALANT (EXISTING)	= 0.125 LBS PER LN. FOOT

ASBUILTS

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

EACF 1-6(11)355	(OVERLAY - 1988)
NH 1-6(81)355	(MICROSURFACE - 2010)
NH 1-6(123)355	(RESURFACE - 2019)
NH 1-6(116)379	(RESURFACE, ADA - 2017)

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. ALL CLEARANCES OR DEPTHS PROVIDED FOR UTILITIES ARE FROM EXISTING GROUND LINE.

COLD MILLINGS

COLD MILLINGS WILL BE RETAINED BY THE CONTRACTOR.

LINEAR DATA

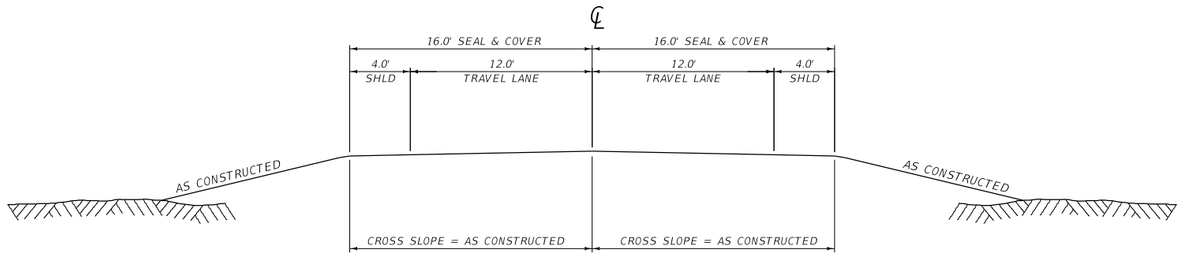
LENGTH OF ROADWAY	IN HILL COUNTY	2 LANE RURAL	36,479.52 ft
LENGTH OF BRIDGE	IN HILL COUNTY	2 LANE RURAL	311.5 ft
TOTAL LENGTH OF	NH 1-6(133)372	2 LANE RURAL	36,791.04 ft

AWARD COPY

TYPICAL SECTION NO. 1

MAINLINE

10+00.00	TO	223+36.48	
223+36.48	TO	225+42.40 BE	TRANS. TYP. SECT. NO. 1 TO 2
228+90.88	TO	318+35.20	
318+35.20	TO	319+35.52 BE	TRANS. TYP. SECT. NO. 1 TO 2
324+00.16	TO	327+59.20	TRANS. TYP. SECT. NO. 1 TO 3

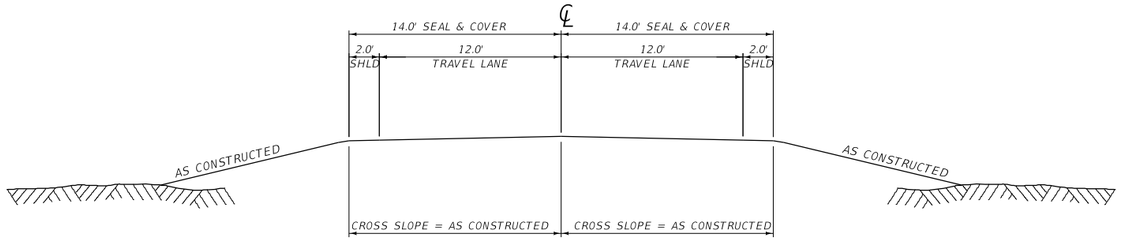


QUANTITIES										
UNIT	AGGREGATE						UNIT	BITUMINOUS MATERIAL		
	COVER								SEAL	
AREA square feet cubic yards PER STATION tons PER STATION square yards PER STATION	356						square yards PER STATION tons PER STATION		356 0.64	

TYPICAL SECTION NO. 2

MAINLINE

225+42.40 BE	TO	226+90.24	
226+90.24 BE	TO	228+90.88	TRANS. TYP. SECT. NO. 2 TO NO. 1
319+35.52 BE			
322+47.04 BE	TO	324+00.16	TRANS. TYP. SECT. NO. 2 TO NO. 1



QUANTITIES										
UNIT	AGGREGATE						UNIT	BITUMINOUS MATERIAL		
	COVER								SEAL	
AREA square feet cubic yards PER STATION tons PER STATION square yards PER STATION	311						square yards PER STATION tons PER STATION		311 0.56	

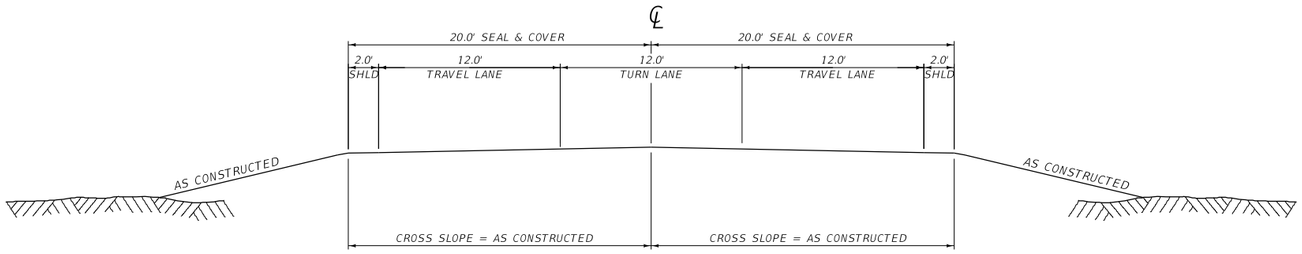
3	MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9591000rdtyp001.dgn	DESIGNED BY	Zach Moeller	10/3/2019	ROAD PLANS	HAVRE - WEST / NH 1-6(133)372
2		12/27/2019	REVIEWED BY	Jeania Cereck	10/9/2019		
		9:35:30 AM CPS - U5963	CHECKED BY	Jerry Sabol	10/31/2019	HILL COUNTY	UPN 9591000 / 3

AWARD COPY

TYPICAL SECTION NO. 3

MAINLINE

327+59.20 TO 330+86.56 THEN TO TYP. SECT. NO. 4

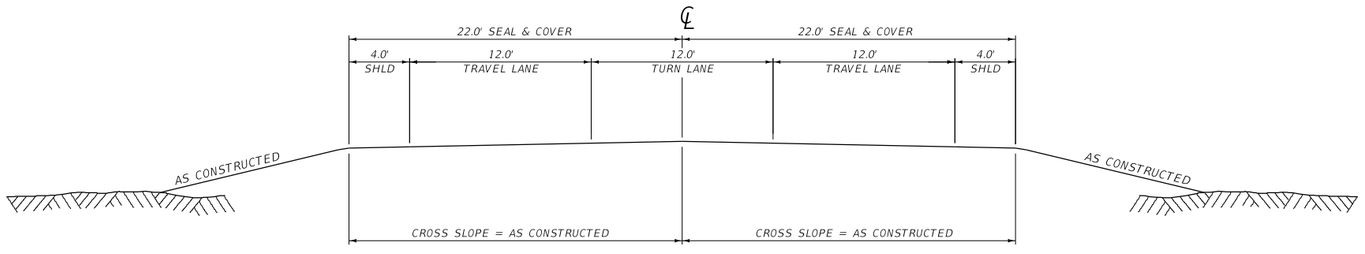


QUANTITIES										
UNIT	AGGREGATE						UNIT	BITUMINOUS MATERIAL		
	COVER								SEAL	
AREA square feet cubic yards PER STATION tons PER STATION square yards PER STATION	444						square yards PER STATION tons PER STATION		444 0.79	

TYPICAL SECTION NO. 4

MAINLINE

330+86.56 TO 370+95.04
370+95.04 TO 373+70.04 TRANS. TYP. SECT. NO 4 TO TYP. SECT. NO 5.



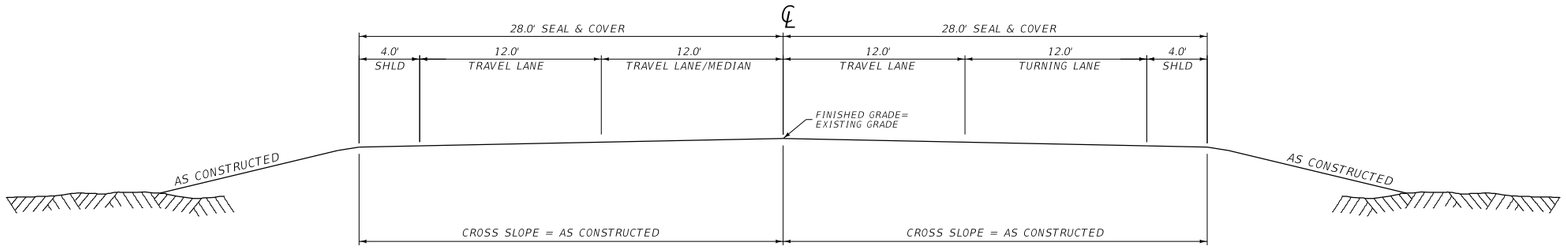
QUANTITIES										
UNIT	AGGREGATE						UNIT	BITUMINOUS MATERIAL		
	COVER								SEAL	
AREA square feet cubic yards PER STATION tons PER STATION square yards PER STATION	489						square yards PER STATION tons PER STATION		489 0.87	

3 1	MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9591000rdtyp001.dgn 12/27/2019 9:36:18 AM CPS - U5963	DESIGNED BY Zach Moeller REVIEWED BY Jeania Cereck CHECKED BY Jerry Sabol	10/3/2019 10/9/2019 10/31/2019	ROAD PLANS HILL COUNTY		HAVRE - WEST UPN 9591000	NH 1-6(133)372 4

TYPICAL SECTION NO. 5

MAINLINE

373+70.04 376+70.04 THEN TO TYP. SECT. NO. 6

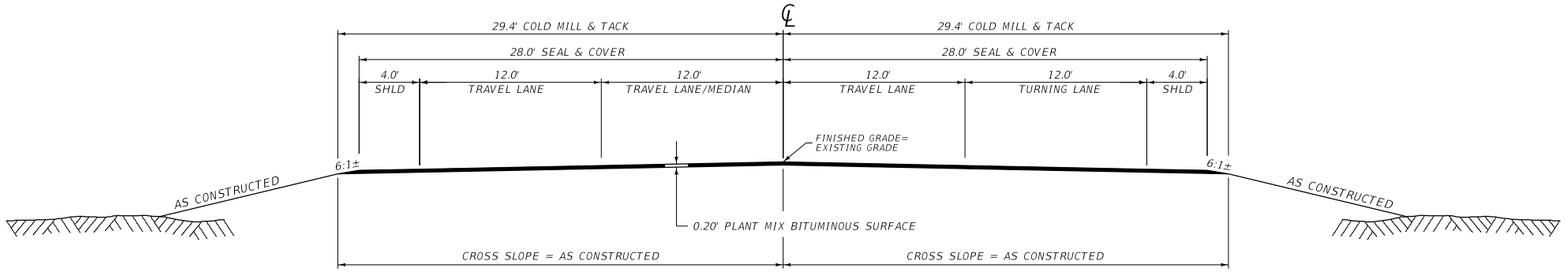


QUANTITIES										
UNIT	AGGREGATE						UNIT	BITUMINOUS MATERIAL		
	COVER								SEAL	
AREA square feet cubic yards PER STATION tons PER STATION square yards PER STATION	622						square yards PER STATION tons PER STATION		622 1.11	

TYPICAL SECTION NO. 6

MAINLINE

376+70.04 TO 377+91.04 E.O.P.



QUANTITIES											
UNIT	AGGREGATE						UNIT	BITUMINOUS MATERIAL			
	COVER	PLANT MIX							SEAL	EMULS. ASPHALT TACK	
AREA square feet cubic yards PER STATION tons PER STATION square yards PER STATION	622	11.48 42.5 81.9					square yards PER STATION tons PER STATION gallons PER STATION		622 1.11	653 33	

AWARD COPY

SUMMARY

SURFACING

STATION FROM	STATION TO	linear feet GROSS	linear feet NET	linear feet +	linear feet -	FOR	AGGREGATE square yards COVER TYPE 1	AGGREGATE tons COMMERCIAL PLANT MIX BIT. SURF. PG 64-28	BITUMINOUS MATERIAL tons SEAL CHFRS-2P	BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT TACK	REMARKS
10+00.00	223+36.48	21,336.48	21,336.48				75,958		136.6		TYP. SECT. NO. 1
223+36.48	225+42.40 BE	205.92	205.92				687		1.2		TRANS. TYP. SECT. NO. 1 TO TYP. SECT. NO. 2
225+42.40 BE	226+90.24 BE	147.84	147.84			BIG SANDY CREEK BRIDGE	460		0.8		TYP. SECT. NO. 2
226+90.24 BE	228+90.88	200.64	200.64				669		1.2		TRANS. TYP. SECT. NO. 2 TO TYP. SECT. NO. 1
228+90.88	318+35.20	8,944.32	8,944.32				31,842		57.2		TYP. SECT. NO. 1
318+35.20	319+35.52 BE	100.32	100.32				335		0.6		TRANS. TYP. SECT. NO. 1 TO TYP. SECT. NO. 2
319+35.52 BE	322+47.04 BE	311.52	0.00		311.52	BNSF RAILWAY BRIDGE					NOT THIS CONTRACT
322+47.04 BE	324+00.16	153.12	153.12				511		0.9		TRANS. TYP. SECT. NO. 2 TO TYP. SECT. NO. 1
324+00.16	327+59.20	359.04	359.04				1,436		2.6		TRANS. TYP. SECT. NO. 1 TO TYP. SECT. NO. 3
327+59.20	330+86.56	327.36	327.36				1,453		2.6		TYP. SECT. NO. 3
330+86.56	370+95.04	4,008.48	4,008.48				19,601		34.9		TYP. SECT. NO. 4
370+95.04	373+70.04	275.00	275.00				1,528		2.7		TRANS. TYP. SECT. NO. 4 TO TYP. SECT. NO. 5
373+70.04	376+70.04	300.00	300.00				1,866		3.3		TYP. SECT. NO. 5
376+70.04	377+91.04	121.00	121.00			MILL/FILL	753	99	1.3	40	TYP. SECT. NO. 6
						ADDITIONAL SURFACING					
TOTAL		36,791.04	36,479.52	~	311.52		137,099	99	245.9	40	

COLD MILLING

STATION FROM	STATION TO	square yards COLD MILLING 0.20 ft		REMARKS
376+70.04	377+91.04	791		E.O.P. - 58.8' WIDE
TOTAL		791		

TRANSITION MILLING TO SMOOTH THE PROFILE. PER PROJECT MANAGER APPROVAL.

PAVEMENT MARKINGS

ITEM	UNIT	INTERIM APPLICATION #	FINAL APPLICATION	TOTAL
STRIPING - WHITE PAINT	gallon	253		253
STRIPING - YELLOW PAINT	gallon	112		112
WORDS & SYMBOLS - WHITE PAINT	gallon	4		4
WORDS & SYMBOLS - YELLOW PAINT	gallon	14		14
STRIPING - WHITE EPOXY	gallon		337	337
STRIPING - YELLOW EPOXY	gallon		149	149
WORDS & SYMBOLS - WHITE EPOXY	gallon		5	5
WORDS & SYMBOLS - YELLOW EPOXY	gallon		19	19
FINAL SWEEP AND BROOM	cr mile	7		7

BASED ON 2 APPLICATIONS.

CRACK SEALING

STATION FROM	STATION TO	TRANSVERSE & LONGITUDINAL CRACK SEALING CRACK SEALING NEW pounds	EXISTING pounds	NEW lineal feet	EXISTING lineal feet	REMARKS
10+00.00	376+85.88	16,362	12,449	32,724	99,594	
SUBTOTAL		16,362	12,449			
TOTAL		28,811		##	##	

SEE DETAIL SHEET
FOR INFORMATION ONLY

DETAIL

CRACK SEALING DETAIL

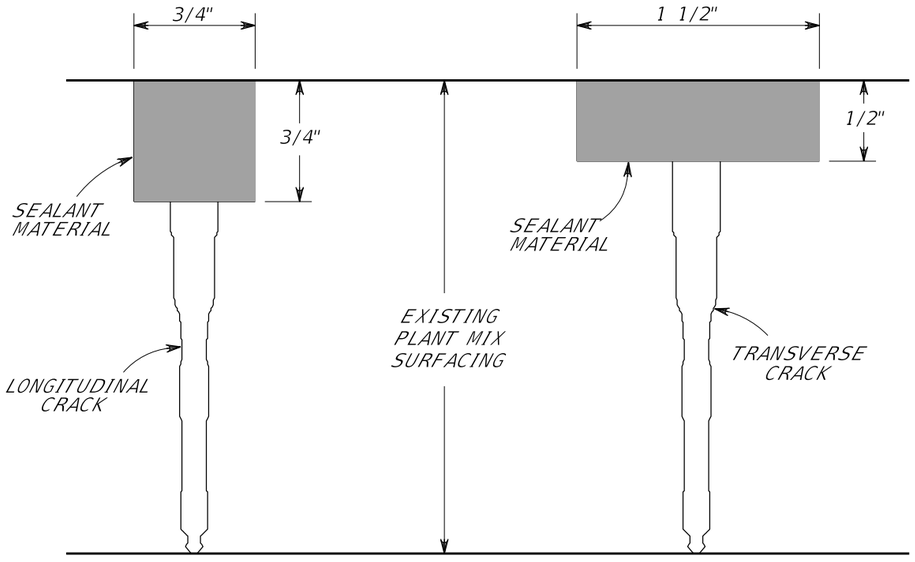
CRACKS 1/8" TO 1" WIDE

LONGITUDINAL CRACK

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

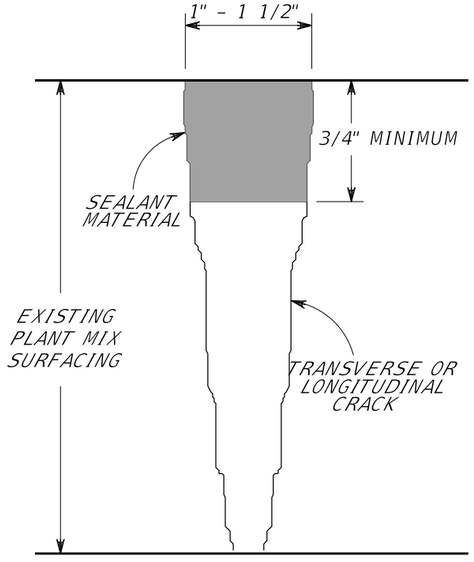
TRANSVERSE CRACK

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



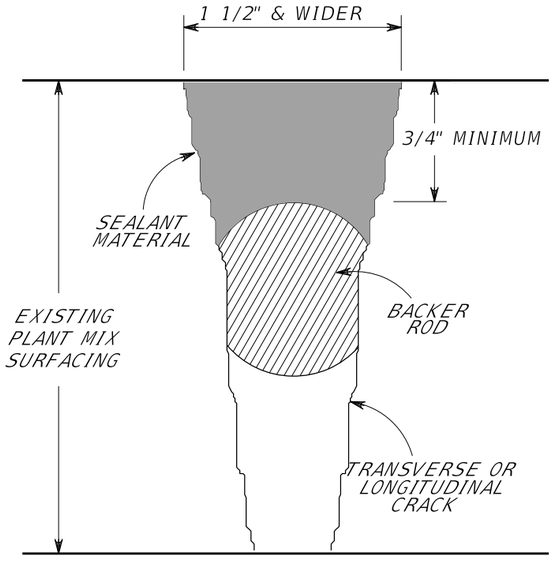
CRACKS 1" TO 1 1/2" WIDE

NO ROUTING REQUIRED



CRACKS 1 1/2" WIDE & LARGER

NO ROUTING REQUIRED
INSTALL BACKER ROD MATERIAL
PRIOR TO APPLYING SEALANT



NOTE:

SEE STANDARD SPECIFICATIONS AND SUPPLEMENTAL SPECIFICATIONS.

CRACK SEALING DETAIL

(NO SCALE)

AWARD COPY

SUMMARY
SIGNING & DELINEATION QUANTITIES

MATERIAL	TOTAL	UNIT
SIGNS-SHEET ALUMINUM-REFLECTIVE SHEETING(IV)	190.0	SQ. FOOT
SIGNS-SHEET ALUMINUM-REFLECTIVE SHEETING(XI)	268.8	SQ. FOOT
SIGNS-ALUMINUM SHEET INCREMENT SHEETING (IV)	132.5	SQ. FOOT
SIGNS-ALUMINUM SHEET INCREMENT SHEETING (XI)		SQ. FOOT
OVERLAY-SHEET ALUMINUM		SQ. FOOT
POSTS-STEEL "U"	154.0	POUNDS
POLES-TREATED WOOD-4" DIA.	604	LINEAR FT.
POLES-TREATED WOOD-5" DIA.	224	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	886.0	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	182	EACH
DELINEATOR-DESIGN B		EACH
DELINEATOR-DESIGN C		EACH
DELINEATOR-DESIGN D	22	EACH
DELINEATOR-DESIGN E		EACH
DELINEATOR-DESIGN F		EACH
DELINEATOR-DESIGN G		EACH
DELINEATOR-DESIGN H		EACH
REMOVE SIGNS	62	EACH
REMOVE SIGNS-GUIDE	9	EACH
RESET SIGNS		EACH
RESET SIGNS-GUIDE		EACH
CHANGEABLE MESSAGE SIGN	3	EACH
FRANGIBLE SIGN POST BREAKAWAY DEVICE- S3x5.7		EACH
FRANGIBLE SIGN POST BREAKAWAY DEVICE- S4x7.7	8	EACH
SQUARE TUBULAR SLIPBASE BREAKAWAY DEVICE-3"		EACH

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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	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 REMOVE	SIGNS RESET	GUIDE REMOVE	GUIDE RESET	REMARKS
372.572 LT		D3(2) R1-1	2-6 x 0-10 2-6 x 2-6	IV XI	IV XI	6-0		4" DIA POLE		12-7		5-0	3-0	4.2(IV) 5.2(XI)			14												RD 403 N NEW
372.585 LT		D3 W10-1	REMOVE 36" DIA	XI		10-0		4" DIA POLE		12-11		5-0	3-0	7.1(XI)			14							1					R/R XING
372.725 RT		D3(2) R1-1	2-6 x 0-10 2-6 x 2-6	IV XI	IV XI	6-0		4" DIA POLE		12-7		5-0	3-0	4.2(IV) 5.2(XI)			14							1					RD 405 S
372.998 LT		N7-1 N7-1P	3-0 x 4-0 3-0 x 1-0	IV IV	IV IV	20-0		5" DIA POLE		16-10		5-0	3-6	12.0(IV) 3.0(IV)				18					X	1					BLACK POWDER CLUB
372.998 RT		N7-1 N7-1P	USE AS IS REMOVE																					1					
373.000 RT		D10-3(2)	0-10 x 3-0	IV	IV	4-0		2# STL U		11-0		4-0	3-0	5.0(IV)								22		1					RP 373
374.000 RT		D10-3(2)	0-10 x 3-0	IV	IV	4-0		2# STL U		11-0		4-0	3-0	5.0(IV)								22		1					RP 374
374.696 RT		D3(2) R1-1	2-6 x 0-10 2-6 x 2-6	IV XI	IV XI	6-0		4" DIA POLE		12-7		5-0	3-0	4.2(IV) 5.2(XI)			14							1					RD 425 S
375.000 LT		N7-1 N7-1P	USE AS IS REMOVE																					1					
375.000 RT		N7-1 N7-1P	3-0 x 4-0 3-0 x 1-0	IV IV	IV IV	20-0		5" DIA POLE		16-10		5-0	3-6	12.0(IV) 3.0(IV)				18					X	1					HAVRE OPTMIST CLUB
375.000 RT		D10-3(2)	0-10 x 3-0	IV	IV	4-0		2# STL U		11-0		4-0	3-0	5.0(IV)								22		1					RP 375
375.022 LT		W14-3	3-0 x 4-0 x 4-0	XI		10-0		4" DIA POLE		13-1		5-0	3-0	5.5(XI)			14							1				FY	
375.452 RT		D3	REMOVE																					1					RD 710 W
375.462 RT		D3(2) R1-1	2-6 x 0-10 2-6 x 2-6	IV XI	IV XI	6-0		4" DIA POLE		12-7		5-0	3-0	4.2(IV) 5.2(XI)			14							1					RD 710 W
375.703 RT		W14-3	3-0 x 4-0 x 4-0	XI		10-0		4" DIA POLE		13-1		5-0	3-0	5.5(XI)			14							1				FY	
376.000 RT		D10-3(2)	0-10 x 3-0	IV	IV	4-0		2# STL U		11-0		4-0	3-0	5.0(IV)								22		1					RP 376
376.200 RT		W5-2a W5-2aP	3-0 x 3-0 REMOVE	XI		10-0		4" DIA POLE		14-0		5-0	3-0	9.0(XI)			14							1					NARROW BRIDGE
376.231 LT		W14-3	3-0 x 4-0 x 4-0	XI		10-0		4" DIA POLE		13-1		5-0	3-0	5.5(XI)			14							1				FY	
376.336 RT		N6-2	3-6 x 1-6	IV	IV	5-0		4" DIA POLE		11-7		5-0	3-0	5.3(IV)			12							1					BIG SANDY CREEK

TYPE XI
FY = FLUORESCENT YELLOW SHEETING REQUIRED.

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

NOTE: SIGN LOCATIONS ARE APPROXIMATE. PROJECT MANAGER TO FIELD ADJUST AS NEEDED.

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	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
376.371 LT		N6-2	3-6 x 1-6	IV	IV	5-0		4" DIA POLE		11-7		5-0	3-0	5.3(IV)			12							1					BIG SANDY CREEK
376.477 LT		W5-2 W5-2aP	3-0 x 3-0 REMOVE	XI		10-0		4" DIA POLE		14-0		5-0	3-0	9.0(XI)			14							1					NARROW BRIDGE
376.711 LT		S3-1	3-0 x 3-0	XI		10-0		4" DIA POLE		14-0		5-0	3-0	9.0(XI)			14							1				FYG	SCHOOL BUS STOP AHEAD
376.730 RT		D3(2) R1-1	3-6 x 0-10 2-6 x 2-6	IV XI	IV XI	6-0		4" DIA POLE		12-7		5-0	3-0	5.8(IV) 5.2(XI)			14							1					NEW 82ND AVE W
376.880 RT		N7-1 N7-1P	3-0 x 4-0 3-0 x 1-0	IV IV	IV IV	20-0		5" DIA POLE		16-10		5-7	3-6	12.0(IV) 3.0(IV)				18					X	1					HAVRE MASONIC LODGE #55
376.957 LT		D3(2) R1-1	3-6 x 0-10 2-6 x 2-6	IV XI	IV XI	6-0		4" DIA POLE		12-7		5-0	3-0	5.8(IV) 5.2(XI)			14							1					78TH AVE NW
376.967 LT		D3	REMOVE																					1					
376.983 LT		N7-1 N7-1P	3-0 x 4-0 3-0 x 1-0	IV IV	IV IV	20-0		5" DIA POLE		16-10		5-7	3-6	12.0(IV) 3.0(IV)				18					X	1					HAVRE OPTIMIST CLUB
377.000 RT		D10-3(2)	0-10 x 3-0	IV	IV	4-0		2 # STL U		11-0		4-0	3-0	5.0(IV)									22	1					RP 377
377.050 RT		W14-3	3-0 x 4-0 x 4-0	XI		10-0		4" DIA POLE		13-1		5-0	3-0	5.5(XI)			14							1				FY	
377.080 RT		R1-1	2-6 x 2-6	XI	XI	6-0		4" DIA POLE		11-9		5-0	3-0	5.2(XI)			12							1					
377.280 RT		R1-1	2-6 x 2-6	XI	XI	6-0		4" DIA POLE		11-9		5-0	3-0	5.2(XI)			12							1					
377.341 LT		W14-3	3-0 x 4-0 x 4-0	XI		10-0		4" DIA POLE		12-7		5-0	3-0	5.5(XI)			14							1				FY	
377.559 RT		W2-9 W16-2	3-0 x 3-0 2-0 x 1-6	XI XI		10-0		5" DIA POLE		15-2		5-7	3-6	9.0(XI) 3.0(XI)				16					X	1					W16-2=750 FT
377.681 LT		D3(2) R1-1	3-6 x 0-10 2-6 x 2-6	IV XI	IV XI	6-0		4" DIA POLE		12-7		5-0	3-0	5.8(IV) 5.2(XI)			14							1					CO RD 800 NW
377.686 LT		D3	REMOVE																					1					
377.736 RT		D3(2) R1-1	2-6 x 0-10 2-6 x 2-6	IV XI	IV XI	6-0		4" DIA POLE		12-7		5-0	3-0	4.2(IV) 5.2(XI)			14							1					RD 462 W
377.736 RT		D3	REMOVE																					1					50' BACK FROM APPROACH
377.751 RT		W14-3	3-0 x 4-0 x 4-0	XI		10-0		4" DIA POLE		13-1		5-0	3-0	5.5(XI)			14							1				FY	

TYPE XI
FYG = FLUORESCENT YELLOW-GREEN SHEETING REQUIRED.

TYPE XI
FY = FLUORESCENT YELLOW SHEETING REQUIRED.

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



W2-9

AWARD COPY

SIGN LOCATION AND SPECIFICATIONS

		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 REMOVE	SIGNS RESET	GUIDE REMOVE	GUIDE RESET	REMARKS
377.892 LT		W2-9 W16-2	3-0 x 3-0 2-0 x 1-6	XI XI		10-0		5" DIA POLE		15-2		5-7	3-6	9.0(XI) 3.0(XI)			16						X	1					W16-2=750 FT
377.922 RT		W8-12b	3-0 x 3-0	XI		10-0		4" DIA POLE		14-0		5-0	3-0	9.0(XI)			14							1					WATCH FOR ICE ON BRIDGE
377.942 LT		W14-3	3-0 x 4-0 x 4-0	XI		10-0		4" DIA POLE		13-1		5-0	3-0	5.5(XI)			14							1				FY	
377.992 RT		W5-2 W5-2aP	3-0 x 3-0 REMOVE	XI		5-0		4" DIA POLE		14-0		5-0	3-0	9.0(XI)			14							1					W5--2=NARROW BRIDGE
378.000 RT		D10-3(2)	0-10 x 3-0	IV	IV	4-0		2 # STL U		11-0		4-0	3-0	5.0(IV)								22		1					RP 378
378.115 RT		D8-1	5-0 x 4-0	IV	IV	5-0	3-0	5" DIA POLE		X=15-6 Y=16-4		7-0	3-6		20.0(IV)		16 18						X			1			WEIGH STATION 1 MILE
378.185 RT		W2-2R	3-0 x 3-0	XI		5-0		4" DIA POLE		13-3		5-0	3-0	9.0(XI)			14							1					
378.210 RT		W8-11a	3-0 x 3-0	XI		5-0		4" DIA POLE		13-3		5-0	3-0	9.0(XI)			14							1					
378.255 RT		D7-6 M6-1cR	2-0 x 2-0 1-9 x 1-3	IV IV	IV IV	5-0		4" DIA POLE		12-4		5-0	3-0	4.0(IV) 2.2(IV)			14							1					M6-1cR=BROWN/WHITE ARROW
378.316 LT		W5-2 W5-2aP	3-0 x 3-0 REMOVE	XI		5-0		4" DIA POLE		14-0		5-0	3-0	9.0(XI)			14							1					W5-2=NARROW BRIDGE
378.301 RT		1-5 1-5a M6-3b	2-0 x 2-0 REMOVE 1-9 x 1-3	IV IV	IV IV	5-0		4" DIA POLE		12-4		5-0	3-0	4.0(IV) 2.2(IV)			14							1					
378.318 RT		R1-1	2-6 x 2-6	XI	XI	6-0		4" DIA POLE		11-9		5-0	3-0	5.2(XI)			12							1					
378.386 LT		D7-6 M6-1cL	2-0 x 2-0 1-9 x 1-3	IV IV	IV IV	10-0		4" DIA POLE		13-4		5-0	3-0	4.0(IV) 2.2(IV)			14							1					M6-1cL=BROWN/WHITE ARROW
378.449 LT		W2-2L	3-0 x 3-0	XI		10-0		4" DIA POLE		14-0		5-0	3-0	9.0(XI)			14							1					
378.469 RT		G1-378	6-0 x 2-0	IV	IV	20-0	3-8	4" DIA POLE		X=15-4 Y=15-4		7-0	3-0		12.0(IV)		16 16								1				HAVRE 3
378.511 RT		R13-1	7-0 x 4-0	4-2	XI	20-0		S4x7.7		X=14-4 Y=14-4		7-0	3-6		28.0(IV)						221		■		1			ALL TRUCKS COMMERCIAL VEHICLES OVER 26,000 GVW STOP AHEAD REPLACE FROM 378.489
378.524 LT		W8-11a	3-0 x 3-0	XI		10-0		4" DIA POLE		14-0		5-0	3-0	9.0(XI)			14							1					

W2-9

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.

TYPE XI
FY = FLUORESCENT YELLOW SHEETING REQUIRED.

W8-11a

D7-7R
Sta. 0+00

D7-7L
Sta. 0+00

W8-11a

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9591000sisum002.dgn	SIGNING PLANS	HAVRE-WEST	NH 1-6(133)372
2		12/27/2019	HILL COUNTY	UPN 9591000	S4
1		9:44:43 AM CPS - U596.3			

AWARD COPY

SIGN LOCATION AND SPECIFICATIONS

STATION	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 REMOVE	SIGNS RESET	GUIDE REMOVE	GUIDE RESET	REMARKS
378.751 RT		1-5 M6-1bR	2-0 x 2-0 1-9 x 1-3	IV IV	IV IV	10-0		4" DIA POLE		13-4		5-0	3-0	4.0(IV) 2.2(IV)			14									1			REPLACE EXISTING GUIDE SIGN WITH i5/M6-1bR
378.771 RT		R1-1	2-6 x 2-6	XI	XI	6-0		4" DIA POLE		11-9		5-0	3-0	5.2(XI)			12							1					
378.771 LT		1-5 M6-1bL	2-0 x 2-0 1-9 x 1-3	IV IV	IV IV	10-0		4" DIA POLE		13-2		5-0	3-0	4.0(IV) 2.2(IV)			14									1			REPLACE EXISTING GUIDE SIGN WITH i5/M6-1bL
378.852 RT		W3-5(55)	3-0 x 3-0	XI		10-0		4" DIA POLE		14-0		5-0	3-0	9.0(XI)			14							1					REDUCED SPEED 55
378.882 LT		N7-1 N7-1P	3-0 x 4-0 3-0 x 1-0	IV IV	IV IV	20-0		5" DIA POLE		16-10		5-0	3-6	12.0(IV) 3.0(IV)				18					X	1					HAVRE MASONIC LODGE #55
378.919 LT		M3-4 M1-4	2-0 x 1-0 2-0 x 2-0	XI XI		10-0		4" DIA POLE		13-1		5-0	3-0	2.0(XI) 4.0(XI)			14							1					WEST US 2
378.924 LT		R2-6(65)	USE AS IS																									
378.972 RT		R4-20*	REMOVE																					1					R4-20*=THRU TRAFFIC KEEP LEFT
378.9374 LT		R2-1 R2-3a	2-0 x 2-6 2-0 x 1-6	XI XI		10-0		4" DIA POLE		12-11		5-7	3-0	5.0(XI) 3.0(XI)			14							1					SPEED LIMIT 70 NIGHT 65
378.989 RT		R2-1	2-0 x 2-6	XI		10-0		4" DIA POLE		12-4		5-0	3-0	5.0(XI)			14							1					SPEED LIMIT 55
379.000 RT		D10-3(2)	0-10 x 3-0	IV	IV	4-0		2# STL U		11-0		4-0	3-0	5.0(IV)								22		1					RP 379
379.030 RT		D8-2 D8-2P	5-6 x3-0 LED SIGN	IV	IV	15-0	3-4	S4x7.7		x=13-8 y=14-3		8-0	3-6		16.5(IV)						215		■			1			WEIGH STATION NEXT RIGHT NEW OPEN/CLOSED CHANGEABLE MESSAGE SIGN
379.050 RT		M2-1 M1-4	1-9 x 1-3 2-0 x 2-0	XI XI		10-0		4" DIA POLE		13-2		5-0	3-0	2.2(XI) 4.0(XI)			14							1					JCT US 87
379.065 RT		R3-7R	2-6 x 2-6	XI		10-0		4" DIA POLE		12-4		5-0	3-0	6.3(XI)			14							1					RIGHT LANE MUST TURN RIGHT
379.105 RT		D8-2a	5-6 x 4-0	IV	IV	10-0	3-4	5" DIA POLE		X=16-4 Y=16-10		7-0	3-6		22.0(IV)			18 18					X		1				WEIGH STATION
379.115 RT		R3-8c	2-6 x 2-6	XI		10-0		4" DIA POLE		12-4		5-0	3-0	6.3(XI)			14							1					

■ = 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.



R3-8c

AWARD COPY

SIGN LOCATION AND SPECIFICATIONS

STATION	RAMP NO.	SIGN NO.	PANEL SIZE	REFL SHTG TYPE: BACK-GROUND	REFL SHTG TYPE: LEGEND	FEET: CLEARANCE	FEET: SIGN SUPPORT SPACING	TYPE OF SUPPORT	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.	TIMBER POLE (LINEAR FT.):	STEEL POST(LBS.): ROUND TUBULAR	STEEL POST(LBS.): SQUARE TUBULAR	STEEL POST(LBS.): STRUCTURAL STEEL	STEEL POST(LBS.): "U" POST	BREAKAWAY	SIGNS: REMOVE	SIGNS: RESET	GUIDE: REMOVE	GUIDE: RESET	REMARKS
379.470		D8-2c D8-2P	7-0 x 2-6 LED SIGN	IV	IV	20-0	4-2	S4x7.7		X=14-1 Y=14-9		8-0	3-6		17.5(IV)								222		■		1			WEIGH STATION NEXT 2 LEFTS
																													NEW OPEN/CLOSED CHANGEABLE MESSAGE SIGN
US 87																													
111.143		D8-2d D8-2P	5-6 x3-0 LED SIGN	IV	IV	20-0	3-4	S4x7.7		X=14-6 Y=15-1		8-0	3-6		16.5(IV)								228		■		1			WEIGH STATION LEFT LANE
																													NEW OPEN/CLOSED CHANGEABLE MESSAGE SIGN
TOTALS														190.0(IV) 268.8(XI)	132.5(IV)		604	224				886	154		62		9		

■ = FRANGIBLE SIGN POST BREAKAWAY DEVICE REQUIRED.

NOTE: ALTERNATE DELINEATION SPACING FOR DESIGN "A" DELINEATOR

DELINEATION TABLE		
⊣	DESIGN "A"	182
⊣‖	DESIGN "B"	
⊣⊢	DESIGN "C"	
‖⊣⊢‖	DESIGN "D"	22
⊣|||	DESIGN "E"	
⊢	DESIGN "F"	
⊣<	DESIGN "G"	
⊣▷	DESIGN "H"	
⊣×	DESIGN "J"	
×⊣‖	DESIGN "BJ"	
×⊣<	DESIGN "GJ"	
	REMOVE DELINEATORS	