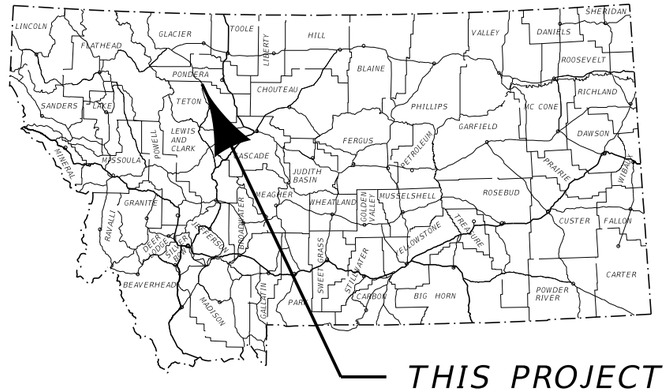
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MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT STPP 3-2(116)60
SEAL AND COVER, BRIDGE DECK CRACK SEAL
JCT S-219 - N & S (US-89)
TETON & PONDERA COUNTIES

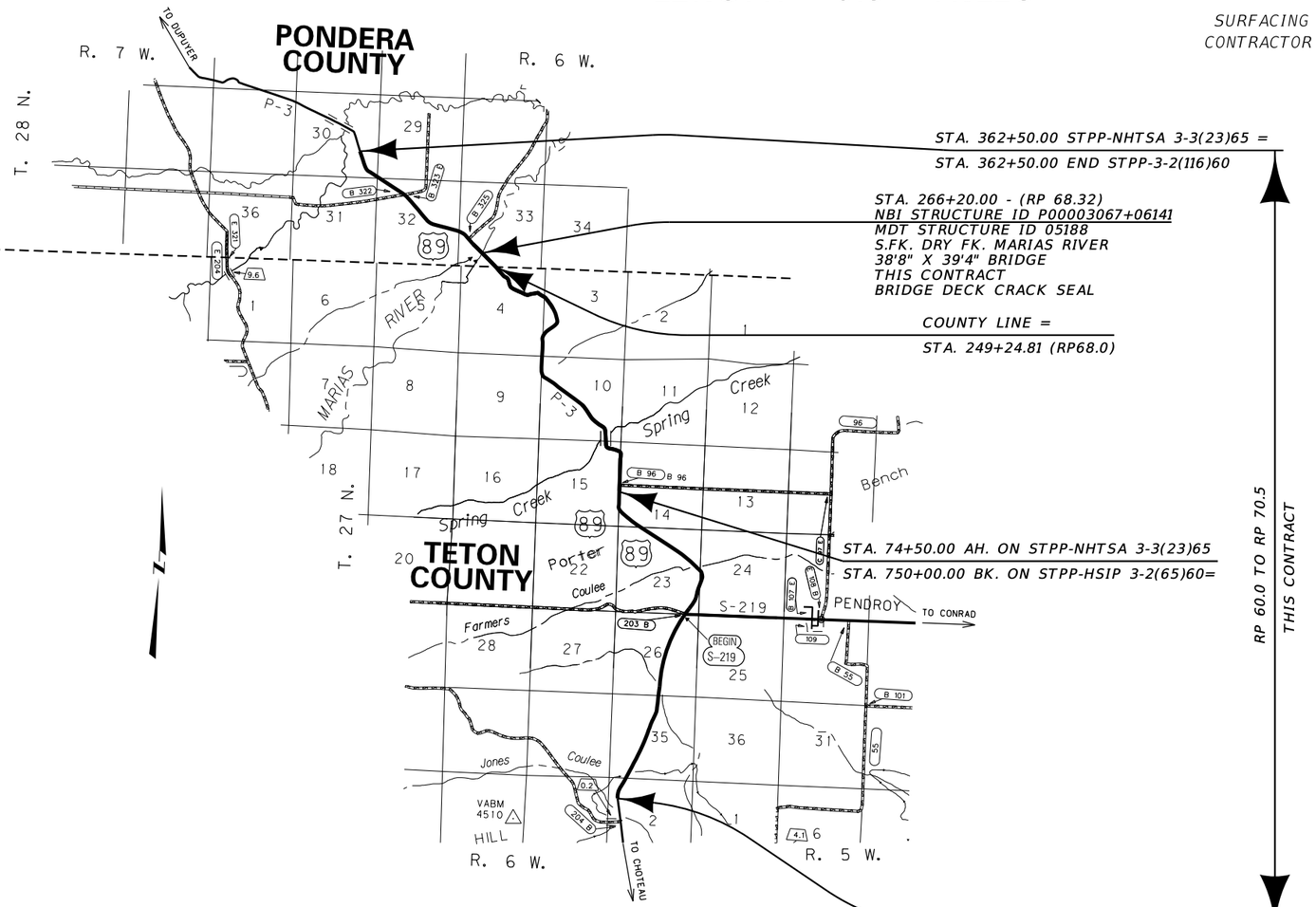
PROJECT DESIGN DATA		
PRESENT	2021	A.D.T. = 640
LETTING	2023	A.D.T. = 650
DESIGN	2043	A.D.T. = 790
		D.H.V. = 150
		TRUCKS = 12.1%
		V. = 55 mph
		18 KIP ESAL'S = 24
		GROWTH RATE = 1.0%

LENGTH 9.8 MILES

SURFACING SOURCES -
CONTRACTOR FURNISHED

PONDERA COUNTY

TETON COUNTY



STA. 362+50.00 STPP-NHTSA 3-3(23)65 =
STA. 362+50.00 END STPP-3-2(116)60

STA. 266+20.00 - (RP 68.32)
NBI STRUCTURE ID P00003067+06141
MDT STRUCTURE ID 05188
S.FK. DRY FK. MARIAS RIVER
38'8" X 39'4" BRIDGE
THIS CONTRACT
BRIDGE DECK CRACK SEAL

COUNTY LINE =
STA. 249+24.81 (RP68.0)

STA. 74+50.00 AH. ON STPP-NHTSA 3-3(23)65
STA. 750+00.00 BK. ON STPP-HSIP 3-2(65)60=

STA. 518+82.00 BEGIN STPP-3-2(116)60 =
STA. 518+82.00 ON STPP-HSIP 3-2(65)60

3	MONTANA Department of Transportation	C:\DGN\9968000rdtl001.dgn	DESIGNED BY	R. KUNDA	11/22/2022	ROAD PLANS
2		8/22/2023	REVIEWED BY	RJ SNYDER	6/13/2023	
		11:08:43 AM CPS - U1716	CHECKED BY	T. JOHNSON	6/20/2023	UPN 9968000

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TABLE OF CONTENTS

ROAD PLANS	SHEET NO.
TITLE SHEET	1
TABLE OF CONTENTS	2
NOTES	2
TYPICAL SECTIONS	3-4
SUMMARIES	5
SURFACING	5
BRIDGE ITEMS	5
PAVEMENT MARKINGS	5

NOTES

BASIS OF PLAN QUANTITIES

(QUANTITIES FOR ESTIMATING PURPOSES ONLY)

BITUMINOUS MATERIAL	= 8.5 LBS. PER GAL.
EMULSIFIED ASPHALT - FOG SEAL (S & C)	= 0.075 GAL. PER SQ.YARD (UNDILUTED)
SEAL	= 0.42 GAL. PER SQ.YARD
COVER	= 25 LBS. PER SQ.YARD

UTILITIES

CALL THE UTILITIES UNDERGROUND LOCATION CENTER (811) OR OTHER NOTIFICATION SYSTEM FOR THE MARKING AND LOCATION OF ALL LINES AND SERVICES BEFORE EXCAVATING. ALL CLEARANCES OR DEPTHS PROVIDED FOR UTILITIES ARE FROM EXISTING GROUND LINE.

PUBLIC LAND SURVEY MONUMENTS

ALL MONUMENTS TO BE REMOVED AND RELOCATED OR RESET BY STATE FORCES.

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 IS THE RESPONSIBILITY OF THE CONTRACTOR.

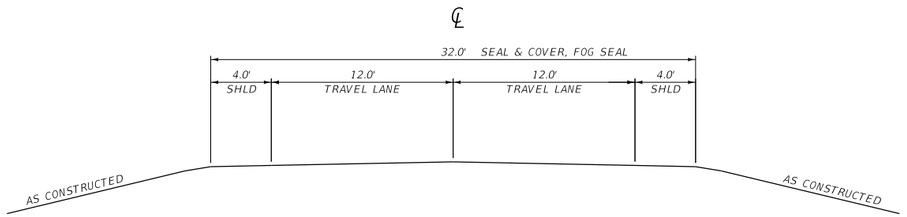
AS BUILTS

FAP 236 B
FAP 151
RTF 3-2(16)
RTF 3-3(4)
STPHS 0002(256)
STPP 3-2(27)28
STPP-NHSTA 3-3(23)65
STPP-HSIP 3-2(65)60
STPP 3-2(46)42
HSIP 3-2(74)61
STPP 3-2(76)28
HSIP-G STWD (451)

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TYPICAL SECTION NO. 1

MAINLINE

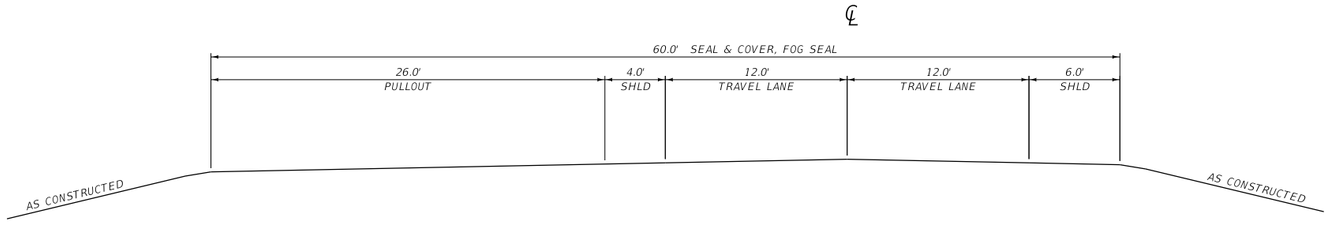


QUANTITIES						
UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL		
	COVER			SEAL	EMULSIFIED ASPHALT FOG SEAL	
AREA square feet			square yards PER STATION	356	356	
cubic yards PER STATION			tons PER STATION	0.64		
tons PER STATION			gals. PER STATION		27	
square yards PER STATION	356					

518+82.00		
750+00.00BK.	=	74+50.00AH. EQUATION
	TO	77+83.33
77+83.33	TO	80+00.00 TRANSITION TYP. NO. 1 TO TYP. NO. 2
83+16.67	TO	173+93.33
173+93.33	TO	176+10.00 TRANSITION TYP. NO. 1 TO TYP. NO. 2
180+06.67	TO	261+00.00
261+00.00	TO	262+50.00 TRANSITION TYP. NO. 1 TO TYP. NO. 3
272+00.00	TO	327+33.33
327+33.33	TO	329+50.00 TRANSITION TYP. NO. 1 TO TYP. NO. 2
332+66.67	TO	362+00.00
362+00.00	TO	362+50.00 TRANSITION TYP. NO. 1 TO TYP. NO. 4

TYPICAL SECTION NO. 2

MAINLINE



QUANTITIES						
UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL		
	COVER			SEAL	EMULSIFIED ASPHALT FOG SEAL	
AREA square feet			square yards PER STATION	667	667	
cubic yards PER STATION			tons PER STATION	1.19		
tons PER STATION			gals. PER STATION		50	
square yards PER STATION	667					

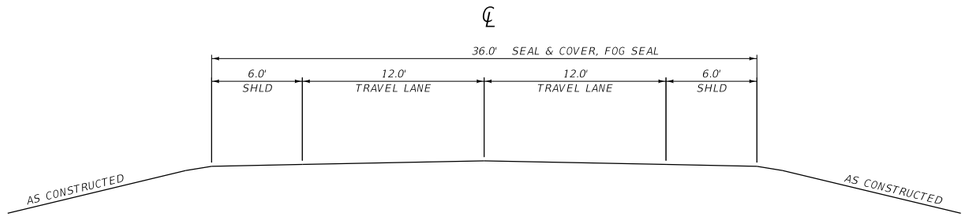
80+00.00	TO	81+00.00
81+00.00	TO	83+16.67 TRANSITION TYP. NO. 2 TO TYP. NO. 1
176+10.00	TO	177+90.00
177+90.00	TO	180+06.67 TRANSITION TYP. NO. 2 TO TYP. NO. 1
329+50.00	TO	330+50.00
330+50.00	TO	332+66.67 TRANSITION TYP. NO. 2 TO TYP. NO. 1

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TYPICAL SECTION NO. 3

MAINLINE

262+50.00 TO 266+00.67 BE
266+39.33 BE TO 270+50.00
270+50.00 TO 272+00.00 TRANSITION TYP. NO. 3 TO TYP. NO. 1

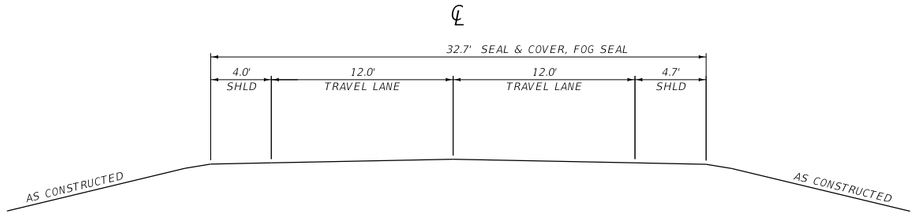


QUANTITIES						
UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL		
	COVER			SEAL	EMULSIFIED ASPHALT FOG SEAL	
AREA square feet			square yards PER STATION	400	400	
cubic yards PER STATION			tons PER STATION	0.71		
tons PER STATION			gals. PER STATION		30	
square yards PER STATION	400					

TYPICAL SECTION NO. 4

MAINLINE

362+50.00 ONLY



QUANTITIES						
UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL		
	COVER			SEAL	EMULSIFIED ASPHALT FOG SEAL	
AREA square feet			square yards PER STATION	363	363	
cubic yards PER STATION			tons PER STATION	0.65		
tons PER STATION			gals. PER STATION		27	
square yards PER STATION	363					

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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 CHFRS-2P	BITUMINOUS MATERIAL gallons EMULSIFIED ASPHALT FOG SEAL	REMARKS
TETON COUNTY											
518+82.00											
750+00.00 BK	74+50.00 AH			67,550.00		EQUATION					
	77+83.33	-44,098.67	23,451.33				83,487		150.1	6,332	TYPICAL NO. 1
77+83.33	80+00.00	216.67	216.67				1,108		2.0	83	TRANS. TYP. NO. 1 TO TYP. NO. 2
80+00.00	81+00.00	100.00	100.00				667		1.2	50	TYPICAL NO. 2
81+00.00	83+16.67	216.67	216.67				1,108		2.0	83	TRANS. TYP. NO. 2 TO TYP. NO. 1
83+16.67	173+93.33	9,076.66	9,076.66				32,313		58.1	2,451	TYPICAL NO. 1
173+93.33	176+10.00	216.67	216.67				1,108		2.0	83	TRANS. TYP. NO. 1 TO TYP. NO. 2
176+10.00	177+90.00	180.00	180.00				1,201		2.1	90	TYPICAL NO. 2
177+90.00	180+06.67	216.67	216.67				1,108		2.0	83	TRANS. TYP. NO. 2 TO TYP. NO. 1
180+06.67	249+24.81	6,918.14	6,918.14				24,629		44.3	1,868	TYPICAL NO. 1
PONDERA COUNTY											
249+24.81	261+00.00	1,175.19	1,175.19				4,184		7.5	317	TYPICAL NO. 1
261+00.00	262+50.00	150.00	150.00				567		1.0	43	TRANS. TYP. NO. 1 TO TYP. NO. 3
262+50.00											
266+00.67 BE	266+39.33 BE				38.66	BRIDGE					
	270+50.00	800.00	761.34				3,045		5.4	228	TYPICAL NO. 3
270+50.00	272+00.00	150.00	150.00				567		1.0	43	TRANS. TYP. NO. 3 TO TYP. NO. 1
272+00.00	327+33.33	5,533.33	5,533.33				19,699		35.4	1,494	TYPICAL NO. 1
327+33.33	329+50.00	216.67	216.67				1,108		2.0	83	TRANS. TYP. NO. 1 TO TYP. NO. 2
329+50.00	330+50.00	100.00	100.00				667		1.2	50	TYP. NO. 2
330+50.00	332+66.67	216.67	216.67				1,108		2.0	83	TRANS. TYP. NO. 2 TO TYP. NO. 1
332+66.67	362+00.00	2,933.33	2,933.33				10,443		18.8	792	TYP. NO. 1
362+00.00	362+50.00	50.00	50.00				180		0.3	14	TRANS. TYP. NO. 1 TO TYP. NO. 4
TOTAL		-15,632.00	51,879.34	67,550.00	38.66		188,297		338.4	14,270	

PAVEMENT MARKINGS

ITEM	UNIT	INTERIM APPLICATION #	FINAL APPLICATION	TOTAL
STRIPING -WHITE PAINT	gallon	379		379
STRIPING -YELLOW PAINT	gallon	177		177
WORDS & SYMBOLS -WHITE PAINT	gallon	3		3
STRIPING -WHITE EPOXY	gallon		506	506
STRIPING -YELLOW EPOXY	gallon		236	236
WORDS & SYMBOLS -WHITE EPOXY	gallon		5	5

#BASED ON 1 APPLICATIONS.

BRIDGE ITEMS

STATION FROM	STATION TO	square yards BRIDGE DECK CRACK SEAL	REMARKS
266+00.67 BE	266+39.33 BE	169	S. FORK DRY FORK MARIAS RIVER
TOTAL		169	