

MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT STPP 83-1(50)0

MILL & FILL, DIGOUT, SEAL & COVER, FOG SEAL

SEELEY LAKE - N & S

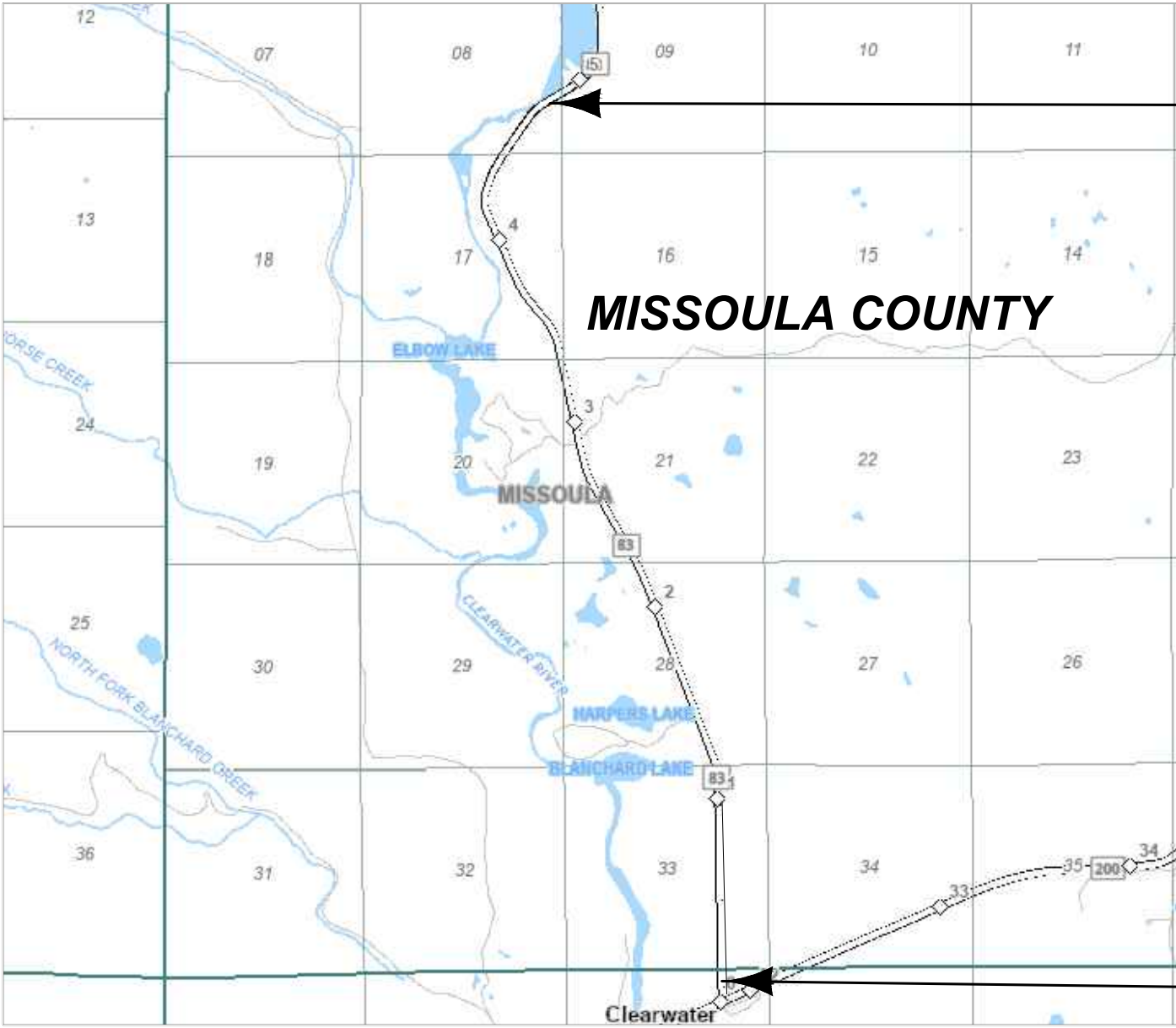
MISSOULA COUNTY

LENGTH 23.2 MILES

SOUTH SECTION

↑ TO SEELEY LAKE

MISSOULA COUNTY



78+91.46 (MET.) ON STPP 83-1(20)0 =

RP 4+0.846 = AM 4.826
END STPP 83-1(50)0

THIS CONTRACT
RP 0.006 TO RP 4.846

RP 0+0.006 = AM 0.006
BEGIN STPP 83-1(50)0 =

1+35.39 (MET.) ON STPP 83-1(20)0

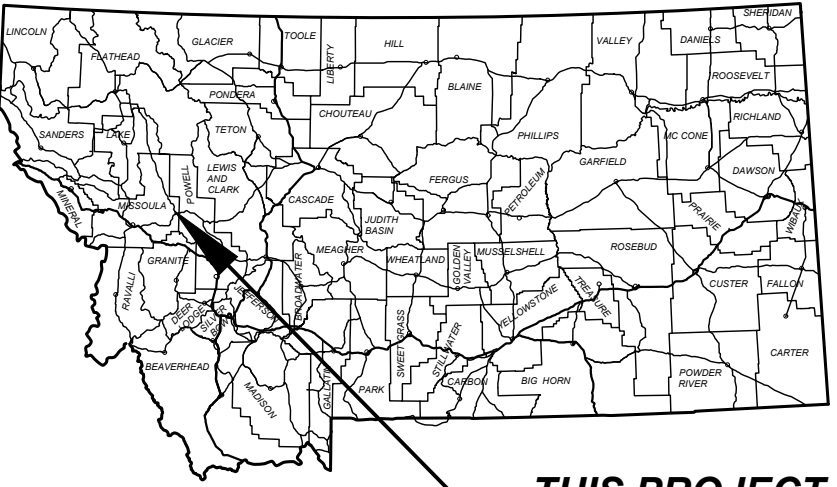
SURFACING SOURCES -
CONTRACTOR FURNISHED

NOTE: NORTH SECTION MAP ON NEXT PAGE

R. 14 W.

T. 14 N.

T. 15 N.



THIS PROJECT

SHEET NO.

1

TITLE SHEET

PROJECT NAME	SEELEY LAKE - N & S
COUNTY	MISSOULA
PROJECT ID	STPP 83-1(50)0
UPN	10687000

DESIGNED BY	11/2025
F. COBARRUBIAS	
REVIEWED BY	4/2026
B. NUNNALLEE	
CHECKED BY	4/2026
J. CEREC	
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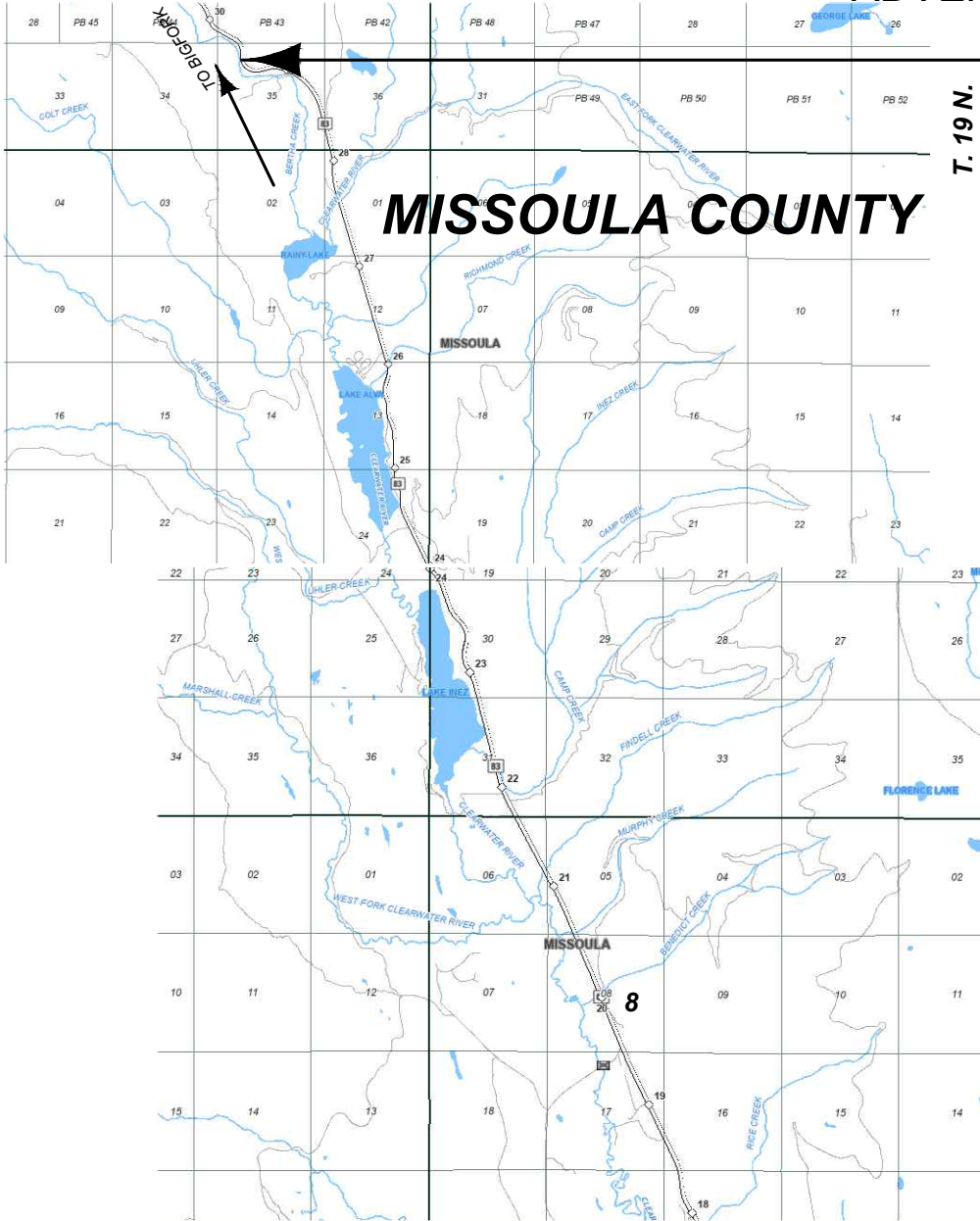


MONTANA
Department of Transportation

ROAD PLANS

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NORTH SECTION

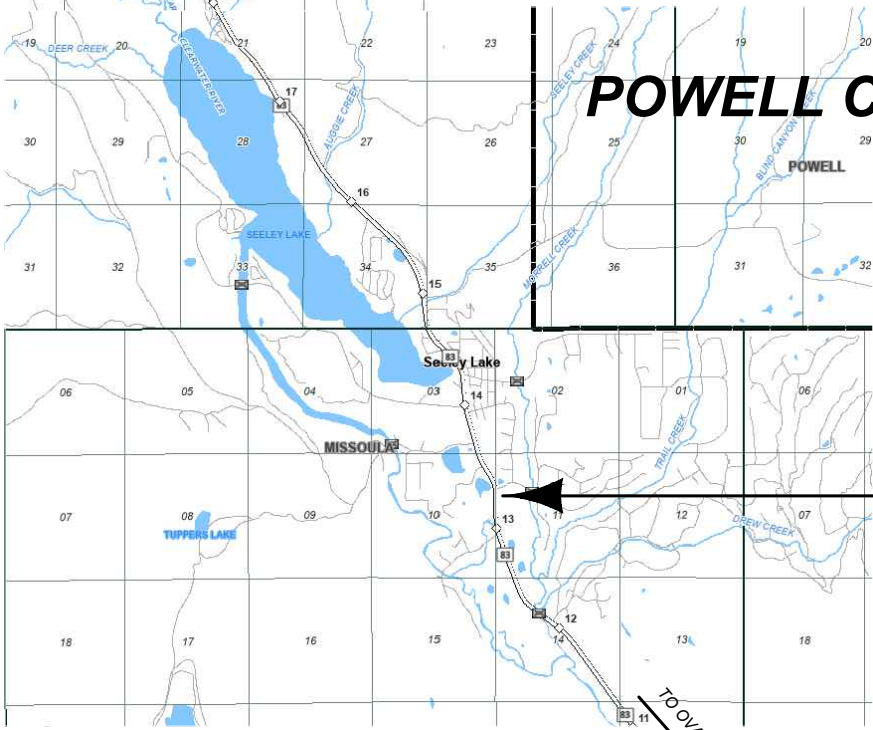


R. 16 W.

T. 19 N.

T. 18 N.

T. 17 N.



R. 15 W.

T. 16 N.

2051+42.00 (ENG.) ON FHP 15-F =

RP 31+0.562 = AM 31.522
END STPP 83-1(50)0

RP 13+0.127 = AM 13.107
BEGIN STPP 83-1(50)0 =

212+49.13 (MET.) ON STPHS-STPP-STPE 83-1(23)13

THIS CONTRACT
RP 13.127 TO RP 31.562

SHEET NO.		2	
TITLE SHEET			
PROJECT NAME	SEELEY LAKE - N & S		
	COUNTY		
	MISSOULA		
	PROJECT ID		
DESIGNED BY	STPP 83-1(50)0		
	UPN		
	10687000		
	10687000		
MONTANA Department of Transportation	ROAD PLANS		
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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
BITUMINOUS MATERIAL	= 8.5 LBS. PER GAL.
EMULSIFIED ASPHALT - TACK (ALL OTHER SURFACES)	= 0.05 GAL. PER SQ. YARD (UNDILUTED)
EMULSIFIED ASPHALT - FOG SEAL (S & C)	= 0.075 GAL. PER SQ. YARD (UNDILUTED)
EMULSIFIED ASPHALT - FOG SEAL (RUMBLE STRIPS)	= 0.10 GAL. PER SQ. YARD (UNDILUTED)
EMULSIFIED ASPHALT SEAL	= 0.42 GAL. PER SQ. YARD
COVER	= 25 LBS. PER SQ. YARD
CRACK SEALING	= 0.7 LBS. PER LINEAR FOOT
MASTIC CRACK FILLING	= 1.7 LBS. PER LINEAR FOOT
MASTIC CRACK FILLING (AREA)	= 10.2 LBS. PER SQUARE FOOT

AS-BUILTS

NOTE:
THE FOLLOWING AS-BUILT PROJECTS CAN BE REFERENCED FOR INFORMATION, BUT THIS PROJECT WAS RESTATIONED USING ACCUMULATED MILES AND LOCATIONS ARE APPROXIMATE. ACCUMULATED MILES MAY NOT ALIGN BETWEEN AS-BUILT AND THIS CONTRACT.

FOR SOUTH SECTION:
STPP 83-1(20)0 (METRIC)

FOR NORTH SECTION:
STPHS-STPP-STPE 83-1(23)13 (METRIC)
FHP 15-F (ENGLISH)

WETLANDS

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

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.

ACCUMULATED MILEAGE

THIS PROJECT IS BASED OFF ACCUMULATED MILEAGE (AM) IN LIEU OF STATIONING OR REFERENCE POSTS. SEE PROJECT LIMITS ON LOCATION MAP.

REFERENCE POSTS		ACCUMULATED LENGTH (miles)
FROM	TO	
MT-83 (SOUTH SECTION)		
0.0	1.0	1.01
1.0	2.0	0.99
2.0	3.0	1.00
3.0	4.0	0.98
4.0	4.8	0.86
MT-83 (NORTH SECTION)		
13.1	14.0	0.93
14.0	15.0	1.00
15.0	16.0	0.96
16.0	17.0	1.01
17.0	18.0	0.99
18.0	19.0	1.00
19.0	20.0	1.00
20.0	21.0	1.03
21.0	22.0	0.95
22.0	23.0	1.01
23.0	24.0	0.99
24.0	25.0	1.00
25.0	26.0	0.99
26.0	27.0	1.03
27.0	28.0	0.97
28.0	29.0	1.01
29.0	30.0	0.99
30.0	31.0	0.99
31.0	31.5	0.54

SHEET NO.
3

TABLE OF CONTENTS & NOTES

PROJECT NAME
SEELEY LAKE - N & S

COUNTY
MISSOULA

PROJECT ID
STPP 83-1(50)0

UPN
10687000

DESIGNED BY
F. COBARRUBIAS
1/2026

REVIEWED BY
B. NUNNALLEE
4/2026

CHECKED BY
J. CERECK
4/2026

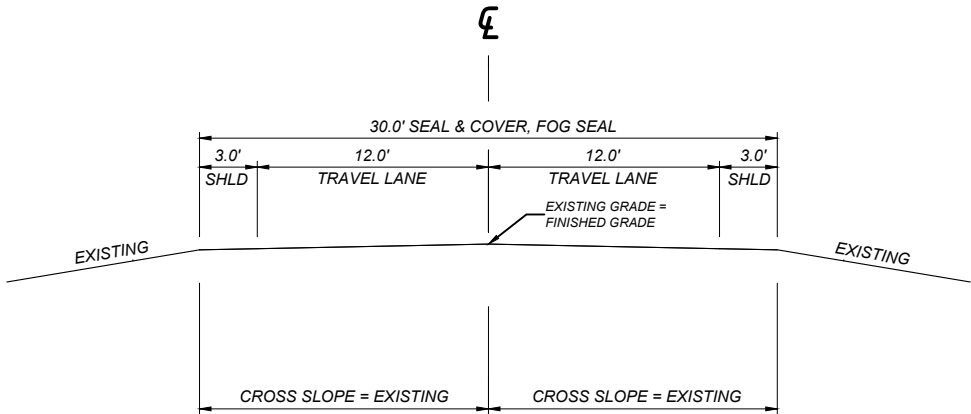
MONTANA
Department of Transportation

ROAD PLANS

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TYPICAL SECTION NO. 1

MAINLINE



QUANTITIES				
UNIT	AGGREGATE	UNIT	BITUMINOUS MATERIAL	
	COVER		EMULSIFIED ASPHALT SEAL	EMULSIFIED ASPHALT FOG SEAL
AREA square feet		square yards PER STATION	333	333
cubic yards PER STATION		tons PER STATION	0.59	
tons PER STATION		gals. PER STATION		25
square yards PER STATION	333			

AM 0.006 TO AM 1.000
AM 1.166 TO AM 1.289
AM 2.000 TO AM 3.500
AM 4.000 TO AM 4.165
AM 4.205 TO AM 4.826

SOUTH SECTION
THEN TO TYP. NO. 2
ONLY
TRANS. TYP. NO. 1 TO TYP. NO. 3
ONLY THEN TYP. NO. 2
THEN TYP. NO. 2
THEN TYP. NO. 4

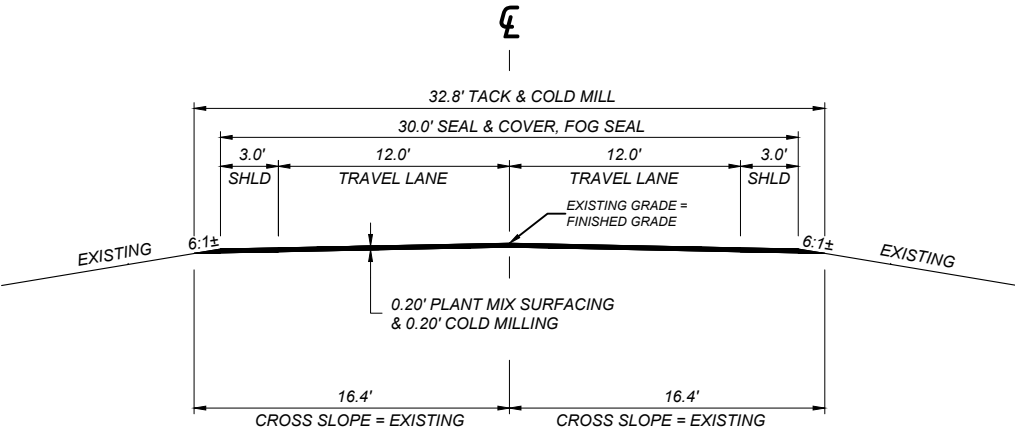
SHEET NO.

4

TYPICAL SECTION

TYPICAL SECTION NO. 2

MAINLINE



QUANTITIES							
UNIT	AGGREGATE		UNIT	BITUMINOUS MATERIAL			COLD MILLING
	COVER	COMM. PLANT MIX		EMULSIFIED ASPHALT SEAL	EMULSIFIED ASPHALT TACK*	EMULSIFIED ASPHALT FOG SEAL	
AREA square feet		6.28	square yards PER STATION	333	364	333	364
cubic yards PER STATION		23.3	tons PER STATION	0.59			
tons PER STATION		44.9	gals. PER STATION		18	25	
square yards PER STATION	333						

* BASED ON 1 APPLICATION

AM 1.000 TO AM 1.166
AM 2.000 TO AM 3.000
AM 3.500 TO AM 4.000

SOUTH SECTION
THEN TYP. NO. 1
THEN TYP. NO. 1
THEN TYP. NO. 1

PROJECT NAME
SEELEY LAKE - N & S

COUNTY

MISSOULA

PROJECT ID

STPP 83-1(50)0

UPN

10687000

DESIGNED BY

F. COBARRUBIAS

2/2026

REVIEWED BY

B. NUNNALLEE

4/2026

CHECKED BY

J. CERECK

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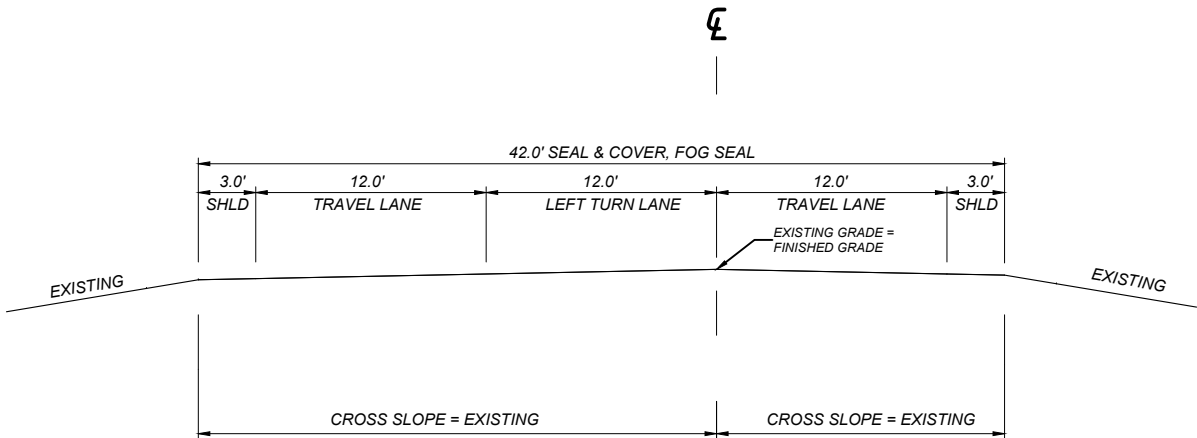


ROAD PLANS

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TYPICAL SECTION NO. 3

MAINLINE



QUANTITIES				
UNIT	AGGREGATE	UNIT	BITUMINOUS MATERIAL	
	COVER		EMULSIFIED ASPHALT SEAL	EMULSIFIED ASPHALT FOG SEAL
AREA square feet		square yards PER STATION	467	467
cubic yards PER STATION		tons PER STATION	0.84	
tons PER STATION		gals. PER STATION		35
square yards PER STATION	467			
* BASED ON 1 APPLICATION				

AM 1.289 TO AM 1.445
AM 1.445 TO AM 2.000

SOUTH SECTION
TRANS. TYP. NO. 3 TO TYP. NO. 1

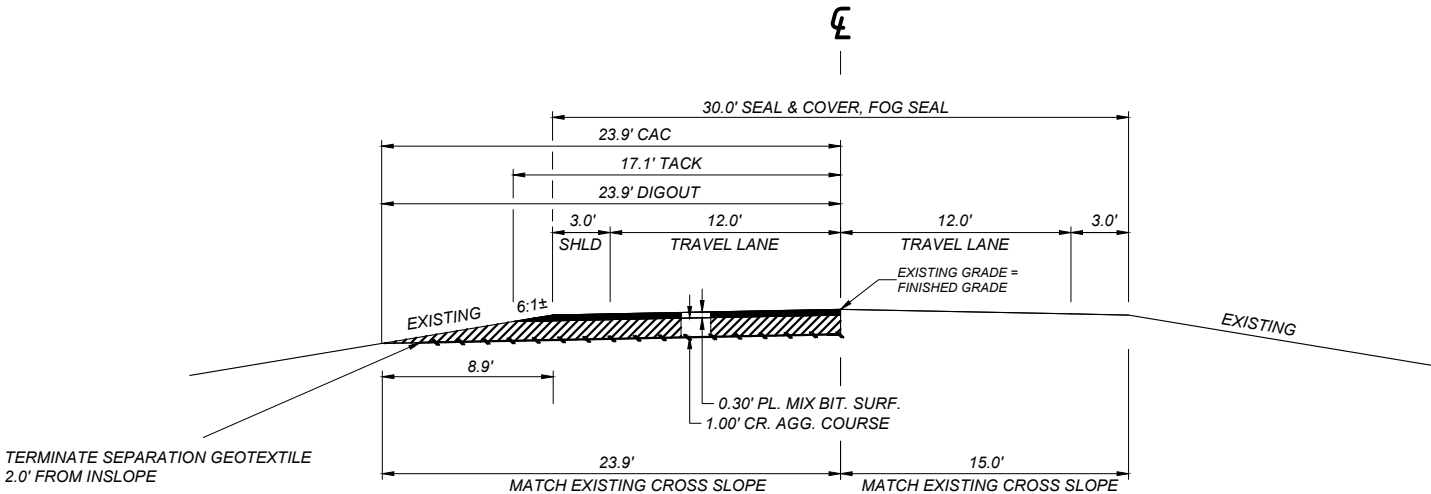
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TYPICAL SECTION

TYPICAL SECTION NO.4

MAINLINE



QUANTITIES								
UNIT	AGGREGATE			UNIT	BITUMINOUS MATERIAL			GEOTEXTILE SEPARATION
	COVER	COMM. PLANT MIX	CR. AGG. COURSE		EMULSIFIED ASPHALT SEAL	EMULSIFIED ASPHALT TACK*	EMULSIFIED ASPHALT FOG SEAL	
AREA square feet		4.82	20.45	square yards PER STATION	333	380	333	243
cubic yards PER STATION		17.9	75.7	tons PER STATION	0.59			
tons PER STATION		34.5		gals. PER STATION		19	25	
square yards PER STATION	333							
* BASED ON 2 APPLICATIONS								

AM 4.165 TO AM 4.205

SOUTH SECTION
THEN TYP. NO. 1

PROJECT NAME
SEELEY LAKE - N & S

COUNTY
MISSOULA

PROJECT ID
STPP 83-1(50)0

UPN
10687000

DESIGNED BY
F. COBARRUBIAS

2/2026

REVIEWED BY
B. NUNNALLEE

4/2026

CHECKED BY
J. CERECK

4/2026

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ROAD PLANS

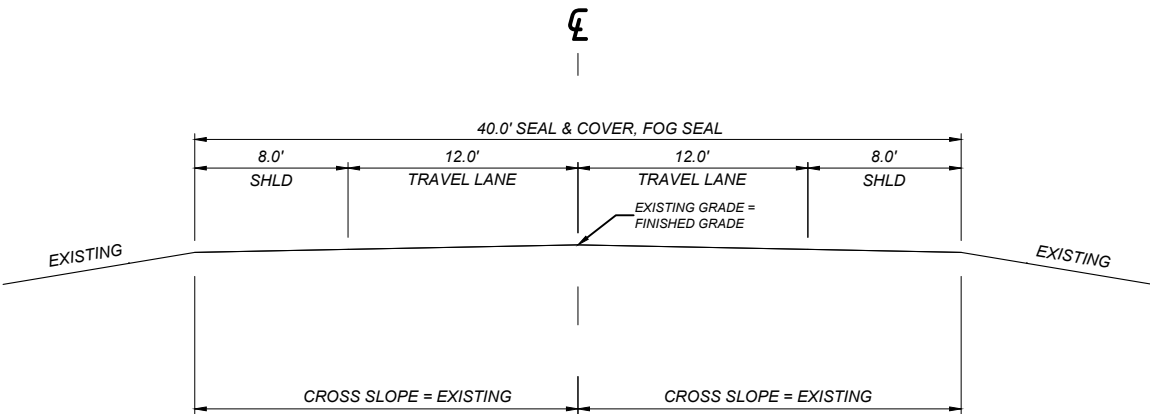
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TYPICAL SECTION NO. 5
MAINLINE

AM 13.107
AM 13.107

NORTH SECTION
ONLY
TRANS. TYP. NO. 5 TO TYP. NO. 6

TO AM 13.180



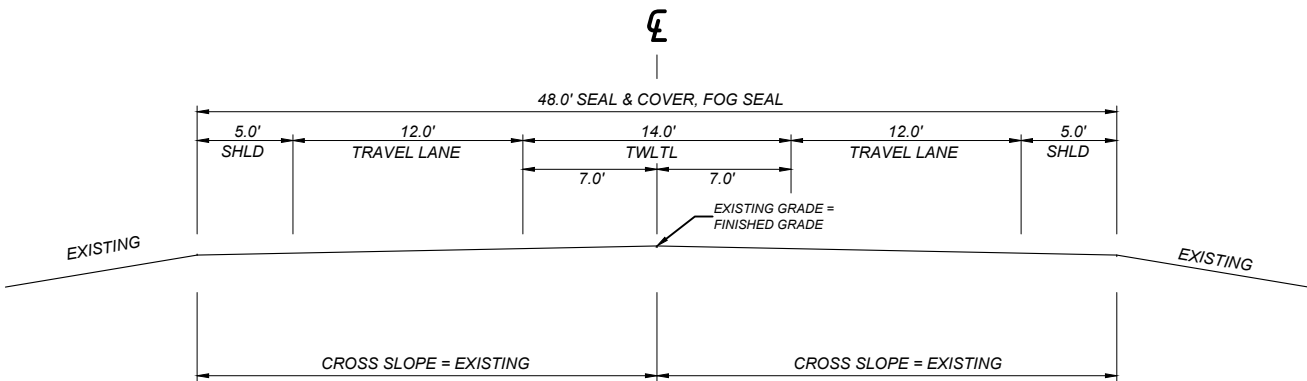
QUANTITIES				
UNIT	AGGREGATE	UNIT	BITUMINOUS MATERIAL	
	COVER		EMULSIFIED ASPHALT SEAL	EMULSIFIED ASPHALT FOG SEAL
AREA square feet		square yards PER STATION	444	444
cubic yards PER STATION		tons PER STATION	0.79	
tons PER STATION		gals. PER STATION		33
square yards PER STATION	444			

TYPICAL SECTION NO. 6
MAINLINE

AM 13.180
AM 14.543

NORTH SECTION
TRANS. TYP. NO. 6 TO TYP. NO. 7

TO AM 14.543 TO AM 14.576



QUANTITIES				
UNIT	AGGREGATE	UNIT	BITUMINOUS MATERIAL	
	COVER		EMULSIFIED ASPHALT SEAL	EMULSIFIED ASPHALT FOG SEAL
AREA square feet		square yards PER STATION	533	533
cubic yards PER STATION		tons PER STATION	0.95	
tons PER STATION		gals. PER STATION		40
square yards PER STATION	533			

SHEET NO.

6

TYPICAL SECTION

PROJECT NAME
SEELEY LAKE - N & S

COUNTY
MISSOULA

PROJECT ID
STPP 83-1(50)0

UPN
10687000

DESIGNED BY
F. COBARRUBIAS

2/2026

REVIEWED BY
B. NUNNALLEE

4/2026

CHECKED BY
J. CERECK

4/2026

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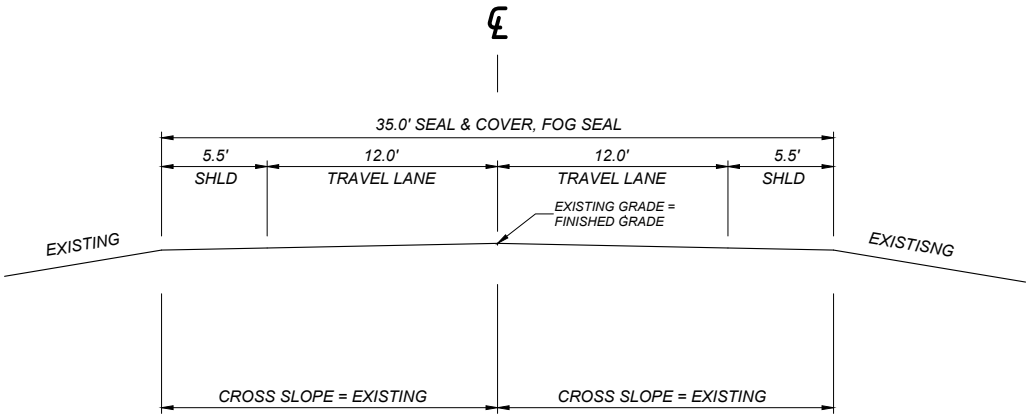
MONTANA
Department of Transportation

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TYPICAL SECTION NO. 7
MAINLINE

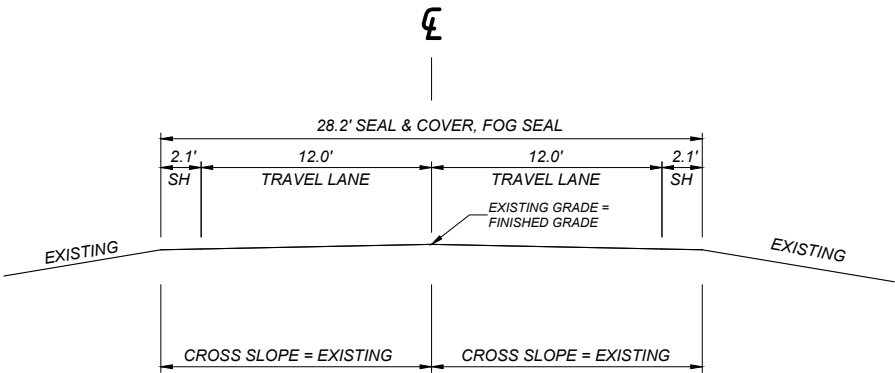
AM 14.576 TO AM 14.745 NORTH SECTION
AM 14.745 TO AM 14.834 TRANS. TYP. NO. 7 TO TYP. NO. 8



QUANTITIES				
UNIT	AGGREGATE	UNIT	BITUMINOUS MATERIAL	
	COVER		EMULSIFIED ASPHALT SEAL	EMULSIFIED ASPHALT FOG SEAL
AREA square feet		square yards PER STATION	389	389
cubic yards PER STATION		tons PER STATION	0.69	
tons PER STATION		gals. PER STATION		29
square yards PER STATION	389			

TYPICAL SECTION NO. 8
MAINLINE

AM 14.834 TO AM 23.199 NORTH SECTION
THEN TYP. NO. 9



QUANTITIES				
UNIT	AGGREGATE	UNIT	BITUMINOUS MATERIAL	
	COVER		EMULSIFIED ASPHALT SEAL	EMULSIFIED ASPHALT FOG SEAL
AREA square feet		square yards PER STATION	313	313
cubic yards PER STATION		tons PER STATION	0.56	
tons PER STATION		gals. PER STATION		23
square yards PER STATION	313			

SHEET NO.

7

TYPICAL SECTION

PROJECT NAME
SEELEY LAKE - N & S

COUNTY
MISSOULA

PROJECT ID
STPP 83-1(50)0

UPN
10687000

DESIGNED BY F. COBARRUBIAS	2/2026
REVIEWED BY B. NUNNALLEE	4/2026
CHECKED BY J. CERECK	4/2026
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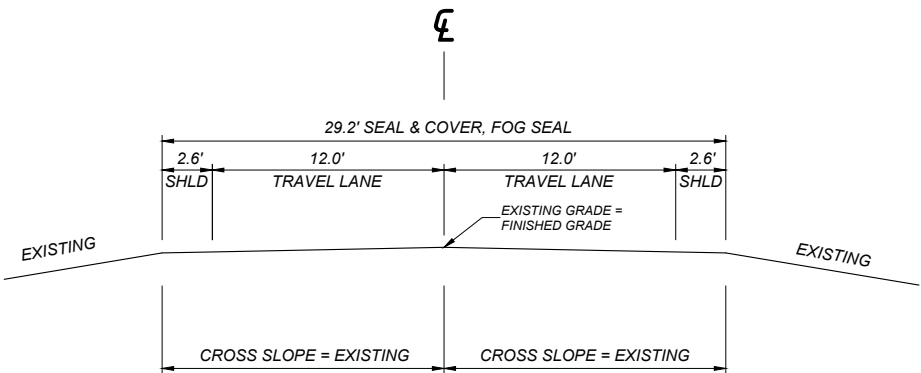


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TYPICAL SECTION NO. 9

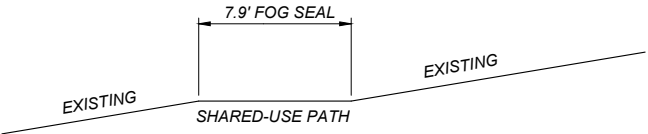
MAINLINE



QUANTITIES				
UNIT	AGGREGATE	UNIT	BITUMINOUS MATERIAL	
	COVER		EMULSIFIED ASPHALT SEAL	EMULSIFIED ASPHALT FOG SEAL
AREA square feet		square yards PER STATION	324	324
cubic yards PER STATION		tons PER STATION	0.58	
tons PER STATION		gals. PER STATION		24
square yards PER STATION	324			

TYPICAL SECTION NO. 10

SHARED USE PATH



QUANTITIES	
UNIT	BITUMINOUS MATERIAL
	EMULSIFIED ASPHALT FOG SEAL
square yards PER STATION	88
tons PER STATION	
gals. PER STATION	7

NORTH SECTION

AM 23.199 TO AM 31.522

SHEET NO.

8

TYPICAL SECTION

PROJECT NAME
SEELEY LAKE - N & S

COUNTY
MISSOULA

PROJECT ID
STPP 83-1(50)0

UPN
10687000

DESIGNED BY
F. COBARRUBIAS

REVIEWED BY
B. NUNNALLEE

CHECKED BY
J. CERECK

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SUMMARY

SHEET NO.

9

SUMMARY

PROJECT NAME
SEELEY LAKE - N & S

COUNTY
MISSOULA

PROJECT ID
STPP 83-1(50)0

UPN
10687000

DESIGNED BY	
F. COBARRUBIAS	12/2025
REVIEWED BY	
B. NUNNALLEE	4/2026
CHECKED BY	
J. CERECK	4/2026
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ROAD PLANS

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SURFACING															
ACCUMULATED MILEAGE		linear feet				FOR	AGGREGATE			BITUMINOUS MATERIAL			sq. yards		REMARKS
		GROSS	NET	+	-		sq. yards	tons	cu. yards	tons	gals.		COLD MILLING	SEPARATION GEOTEXTILE	
FROM	TO					COVER TYPE 2	COMMERCIAL PLANT MIX - 1/2" PG 58V-34	CRUSHED AGG. COURSE	EMULSIFIED ASPHALT CHFRS-2P	EMULSIFIED ASPHALT TACK COAT	EMULSIFIED ASPHALT FOG SEAL	0.20'	HIGH SURV.		
MT-83 (SOUTH SECTION)															
AM 0.006	AM 1.000	5,248.32	5,248.32			17,477				31.0		1,312			TYP. NO. 1
AM 1.000	AM 1.166	876.48	876.48			2,919	394			5.2	158	219	3,190		TYP. NO. 2
AM 1.166	AM 1.289	649.44	649.44			2,598				4.6		195			TRANS. TYP. NO. 1 TO TYP. NO. 3
AM 1.289	AM 1.445	823.68	823.68			3,847				6.9		288			TYP. NO. 3
AM 1.445	AM 2.000	2,930.40	2,930.40			11,722				21.0		879			TRANS. TYP. NO. 3 TO TYP. NO. 1
AM 2.000	AM 3.000	5,280.00	5,280.00			17,582	2,371			31.2	950	1,320	19,219		TYP. NO. 2
AM 3.000	AM 3.500	2,640.00	2,640.00			8,791				15.6		660			TYP. NO. 1
AM 3.500	AM 4.000	2,640.00	2,640.00			8,791	1,185			15.6	475	660	9,610		TYP. NO. 2
AM 4.000	AM 4.165	871.20	871.20			2,901				5.1		218			TYP. NO. 1
AM 4.165	AM 4.205	211.20	211.20			703	73	160		1.2	40	53		513	TYP. NO. 4
AM 4.205	AM 4.826	3,278.88	3,278.88			10,918				19.3		820			TYP. NO. 1
						ADDITIONAL SURFACING	4,240			7.5		318			
SUBTOTAL		25,449.60	25,449.60	~	~	92,489	4,023	160		164.2	1,623	6,942	32,019	513	SOUTH SECTION
MT-83 (NORTH SECTION)															
AM 13.107	AM 13.180	385.44	385.44			1,883				3.4		141			TRANS. TYP. NO. 5 TO TYP. NO. 6
AM 13.180	AM 14.543	7,196.64	7,196.64			38,358				68.4		2,879			TYP. NO. 6
AM 14.543	AM 14.576	174.24	174.24			803				1.4		60			TRANS. TYP. NO. 6 TO TYP. NO. 7
AM 14.576	AM 14.745	892.32	892.32			3,471				6.2		259			TYP. NO. 7
AM 14.745	AM 14.834	469.92	469.92			1,649				2.9		122			TRANS. TYP. NO. 7 TO TYP. NO. 8
AM 14.834	AM 23.199	44,167.20	44,167.20			138,243				247.3		10,158			TYP. NO. 8
AM 23.199	AM 31.522	43,945.44	43,945.44			142,383				254.9		10,547			TYP. NO. 9
						ADDITIONAL SURFACING	2,926			5.2		982			
SUBTOTAL		97,231.20	97,231.20	~	~	329,716	~	~		589.7	~	25,148	~	~	NORTH SECTION
TOTAL		122,680.80	122,680.80	~	~	422,205	4,023	160		753.9	1,623	32,090	32,019	513	

ADDITIONAL SURFACING (INCLUDED IN SURFACING FRAME)															
ACCUMULATED MILEAGE		linear feet				FOR	AGGREGATE			BITUMINOUS MATERIAL			sq. yards		REMARKS
		GROSS	NET	+	-		sq. yards	tons	cu. yards	tons	gals.		COLD MILLING	SEPARATION GEOTEXTILE	
FROM	TO					COVER TYPE 2	COMMERCIAL PLANT MIX - 1/2" PG 58V-34	CRUSHED AGG. COURSE	EMULSIFIED ASPHALT SEAL CHFRS-2P	EMULSIFIED ASPHALT TACK COAT	EMULSIFIED ASPHALT FOG SEAL	0.20'	HIGH SURV.		
MT-83 (SOUTH SECTION)															
					5 - PULLOUTS	4,240			7.5		318			MEASURED ON CAD	
SUBTOTAL						4,240			7.5		318			SOUTH SECTION	
MT-83 (NORTH SECTION)															
					4 - PULLOUTS	2,926			5.2		219			MEASURED ON CAD	
AM 13.107	AM 14.985	9,915.84	9,915.84		SHARED USE PATH (SUP) RT						694			TYP. NO. 10	
AM 14.639	AM 14.826	987.36	987.36		SHARED USE PATH (SUP) LT						69			TYP. NO. 10	
SUBTOTAL		~	~	~	~	2,926	~	~	5.2	~	982	~	~	NORTH SECTION	

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SUMMARY

SUMMARY

PAVEMENT MARKINGS				
ITEM	UNIT	INTERIM APPLICATION *	FINAL APPLICATION	TOTAL
		MT-83 (NORTH AND SOUTH SECTIONS)		
STRIPING - WHITE PAINT	gallon	910		910
STRIPING - YELLOW PAINT	gallon	649		649
WORDS & SYMBOLS - WHITE PAINT	gallon	11		11
WORDS & SYMBOLS - YELLOW PAINT	gallon	5		5
STRIPING - WHITE EPOXY	gallon		1,129	1,129
STRIPING - YELLOW EPOXY	gallon		824	824
WORDS & SYMBOLS - WHITE EPOXY	gallon		12	12
WORDS & SYMBOLS - YELLOW EPOXY	gallon		6	6
CURB MARKINGS - YELLOW EPOXY	gallon		3	3
TEMPORARY STRIPING	linear feet			36,031

*SOUTH SECTION: BASED ON 2 APPLICATIONS IN THE MILL/FILL AREA, AND 1 APPLICATION IN THE SEAL & COVER AREA. NORTH SECTION: BASED ON 1 APPLICATION.

CRACK SEALING							
ACCUMULATED MILEAGE		TRANSVERSE & LONGITUDINAL					REMARKS
		CRACK SEALING		MASTIC CRACK FILLING			
FROM	TO	pounds	linear feet	pounds	linear feet	area (sq ft)	
MT-83 (SOUTH SECTION)							
AM 0.006	AM 4.826	21,627	30,895	~	~	~	NOT INCLUDED IN MILL/FILL & DIGOUT AREAS
SUBTOTAL		21,627	30,895	~	~	~	SOUTH SECTION
MT-83 (NORTH SECTION)							
AM 13.107	AM 31.522	50,492	72,131	898	~	88	
SUBTOTAL		50,492	72,131	898	~	88	NORTH SECTION
TOTAL		72,119	#	898	~	#	

RUMBLE STRIPS				
ACCUMULATED MILEAGE		miles	gals	REMARKS
		SINUSOIDAL RUMBLE STRIPS	EMULSIFIED ASPHALT FOG SEAL #	
		FROM	TO	
MT-83 (SOUTH SECTION)				
AM 1.000	AM 1.166	0.17	20	
AM 2.000	AM 3.000	1.00	117	
AM 3.500	AM 4.000	0.50	59	
AM 4.165	AM 4.205	0.04	5	
TOTAL		1.7	~	

REVEGETATION			
ACCUMULATED MILEAGE		lump sum	REMARKS
		REVEGETATION	
FROM	TO		
MT-83 (SOUTH SECTION)			
AM 4.165	AM 4.205	1	FOR MINOR REVEGETATION ON INSLOPE OF DIGOUT.
TOTAL		1	

DIGOUT EXCAVATION *			
ACCUMULATED MILEAGE		cu. yards	REMARKS
		EXCAVATION DIGOUTS	
FROM	TO		
MT-83 (SOUTH SECTION)			
AM 4.165	AM 4.205	208	SEE DETAIL
TOTAL		208	

* SEE DETAIL SHEET

DESIGNED BY

F. COBARRUBIAS

REVIEWED BY

B. NUNNALLEE

CHECKED BY

J. CERECK

12/2025

4/2026

4/2026

10687000RDSUM001.DWG

PROJECT NAME

SEELEY LAKE - N & S

COUNTY

MISSOULA

PROJECT ID

STPP 83-1(50)0

UPN

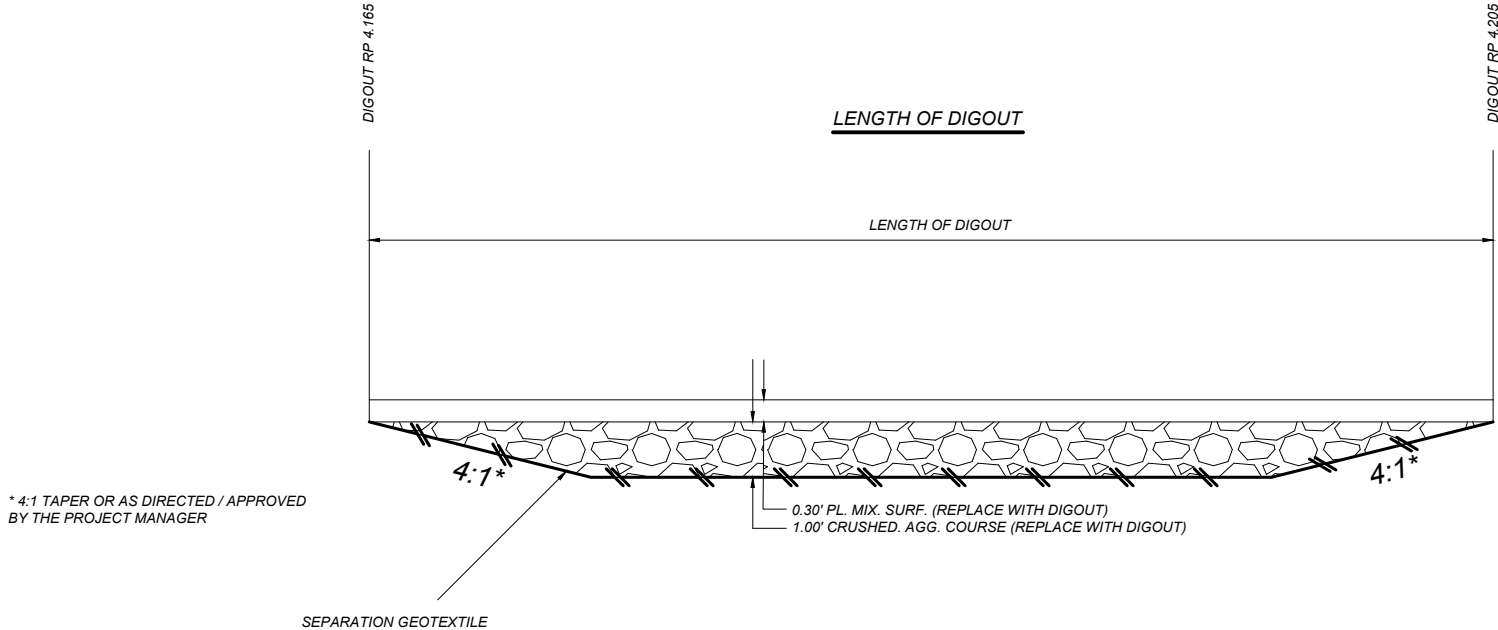
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MONTANA

Department of Transportation

ROAD PLANS

6/17/2026 3:48 PM



 MONTANA Department of Transportation ROAD PLANS			DESIGNED BY F. COBARRUBIAS		PROJECT NAME SEELEY LAKE - N & S									
			REVIEWED BY B. NUNNALLEE		COUNTY MISSOULA									
			CHECKED BY J. CERECK		PROJECT ID STPP 83-1(50)0									
					UPN 10687000									
6/17/2026 3:48 PM			10687000RDET001.DWG			DIGOUT DETAIL			11			SHEET NO.		

SINUSOIDAL CENTERLINE
RUMBLE STRIPS

PROJECT NAME
SEELEY LAKE - N & S

COUNTY
MISSOULA

PROJECT ID
STPP 83-1(50)0

UPN
10687000

DESIGNED BY
F. COBARRUBIAS

02/26

REVIEWED BY
B. NUNNALLEE

4/2026

CHECKED BY
J. CERECK

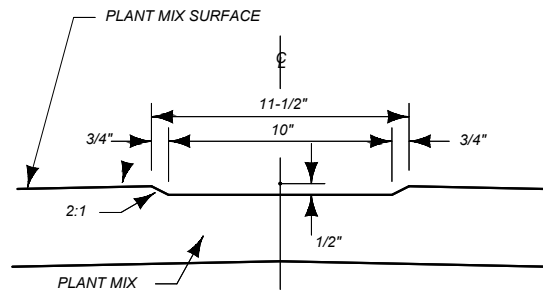
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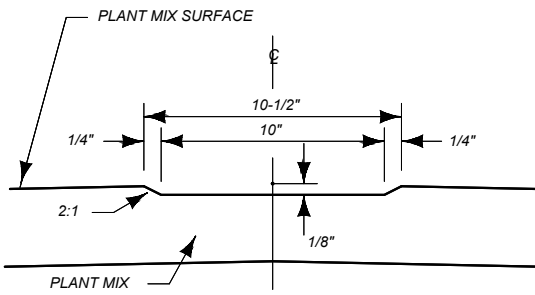


ROAD PLANS

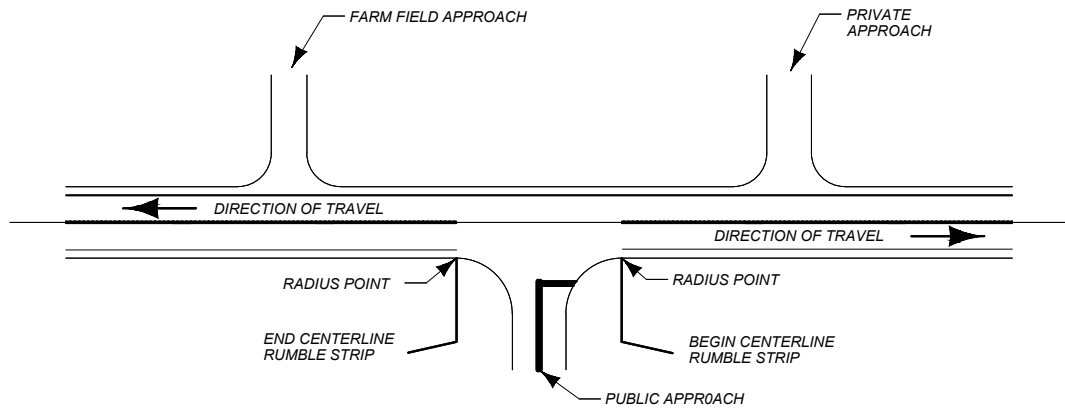
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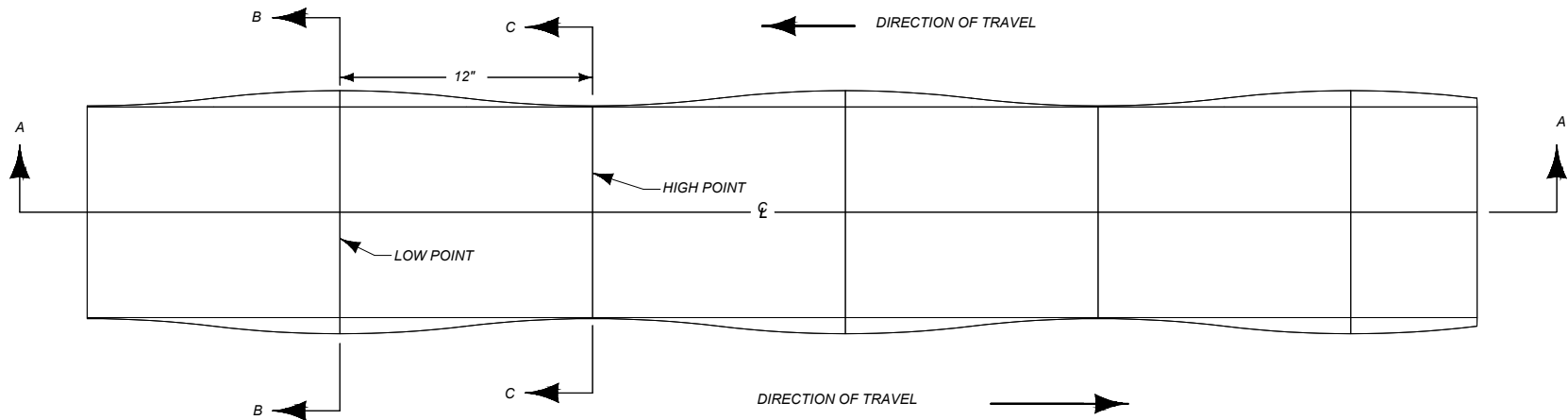
SECTION B-B



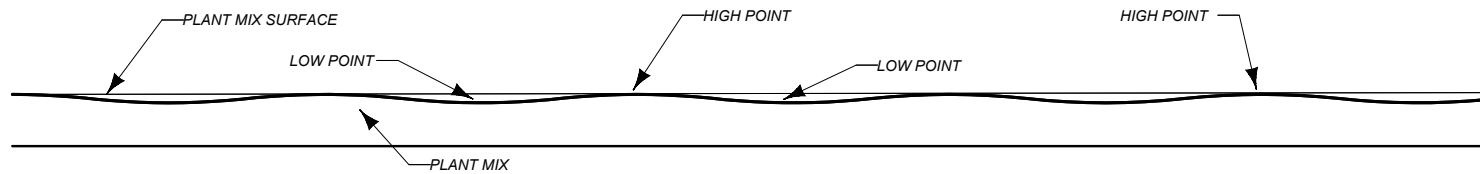
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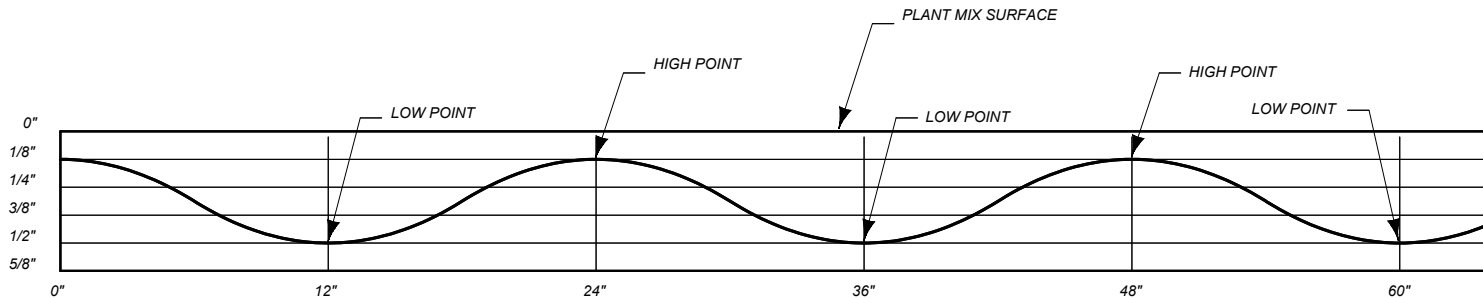
SINUSOIDAL CENTERLINE
RUMBLE STRIP APPROACH DETAIL



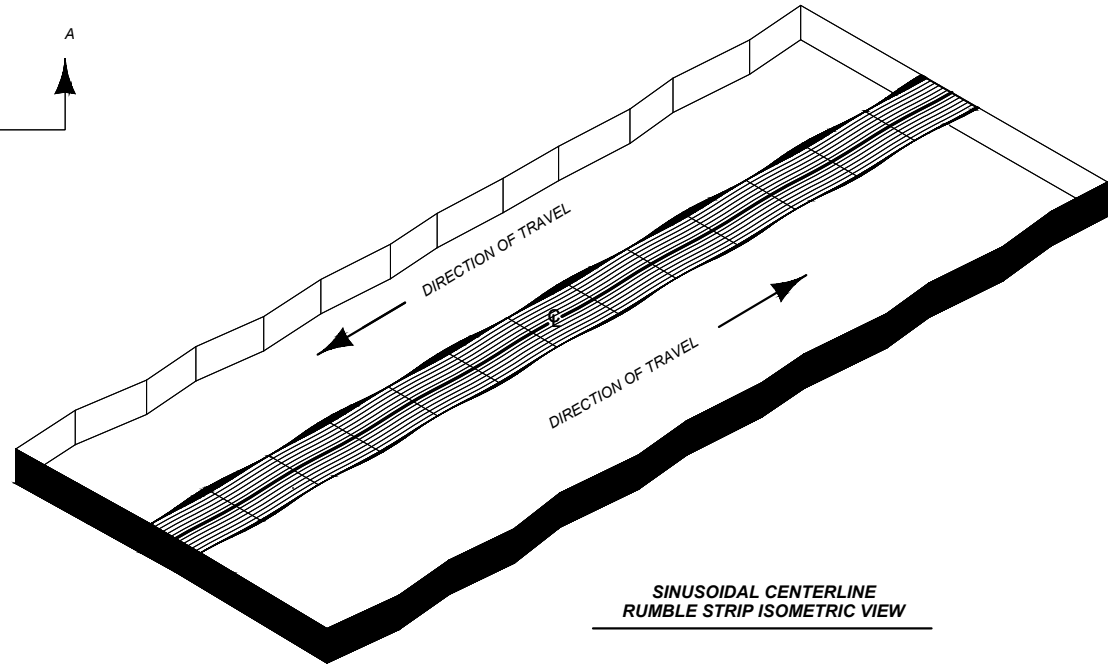
SINUSOIDAL CENTERLINE RUMBLE STRIP
WITH TAPERED GROOVE PLAN VIEW



SECTION A-A



SINUSOIDAL CENTERLINE
RUMBLE STRIP PROFILE VIEW
EXAGGERATED VERTICAL SCALE 10:1



SINUSOIDAL CENTERLINE
RUMBLE STRIP ISOMETRIC VIEW

NOTES:

BREAK SINUSOIDAL CENTERLINE RUMBLE STRIPS FOR PUBLIC APPROACHES ONLY.

INSTALL SINUSOIDAL CENTERLINE RUMBLE STRIPS ACROSS LEFT TURN LANES AND STRIPED MEDIANS.

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

DO NOT INSTALL SINUSOIDAL CENTERLINE RUMBLE STRIPS IN AREAS POSTED AT 45 MPH OR LESS.

ROUTES WITH DESIGNATED CITY OR URBAN LIMITS USE ENGINEERING JUDGEMENT ON A CASE BY CASE BASIS TO DETERMINE IF SINUSOIDAL CENTERLINE RUMBLE STRIP INSTALLATION IS APPROPRIATE.

MINIMUM VERTICAL MILLING DEPTHS AND DIFFERENCE BETWEEN MILLING HIGH POINTS AND LOW POINTS SHOWN IN DETAIL. ADDITIONAL 1/8" DEPTH OF MILLING IS ALLOWABLE ON INSTALLATION OF SINUSOIDAL CENTERLINE RUMBLE STRIP.

SEE DETAILED DRAWING 620-30 FOR CENTERLINE RUMBLE STRIP PAVEMENT MARKING INFORMATION.

OMIT CENTERLINE RUMBLE STRIPES IN AREAS WHERE TWO WAY LEFT TURN LANES ARE PRESENT UNLESS SPECIFIED IN PROJECT PLANS AND/OR SPECIAL PROVISIONS. CENTERLINE RUMBLE STRIPES MAY BE INSTALLED THROUGH TWO WAY LEFT TURN LANES ON A CASE BY CASE BASIS AS A RESULT OF SAFETY ENGINEERING ANALYSIS DEMONSTRATING NEED.