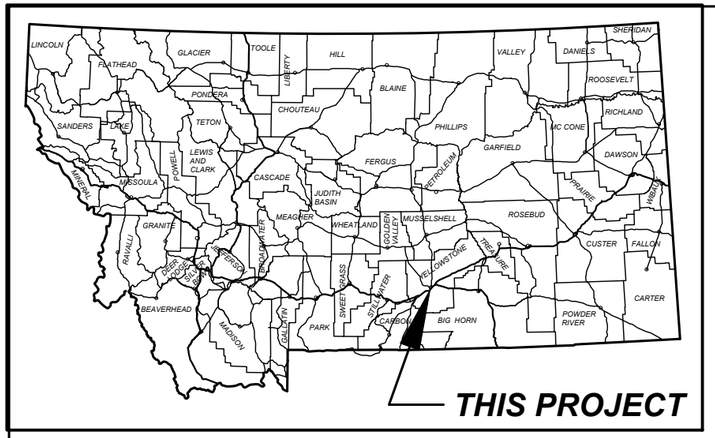
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MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT NH 114-1(4)0
MILL & OVERLAY
1ST AVE SOUTH - BILLINGS
YELLOWSTONE COUNTY

LENGTH 1.4 MILES

PROJECT DESIGN DATA RP 0.59 TO RP 0.762			
PRESENT	2025	A.A.D.T. =	15,920
LETTING	2027	A.A.D.T. =	16,240
DESIGN	2047	A.A.D.T. =	19,810
		D.H.V. =	1,980
		TRUCKS =	2.2%
		V. =	40 MPH
		18 KIP ESAL'S =	112 DAILY
		ANNUAL GROWTH RATE =	1.0%

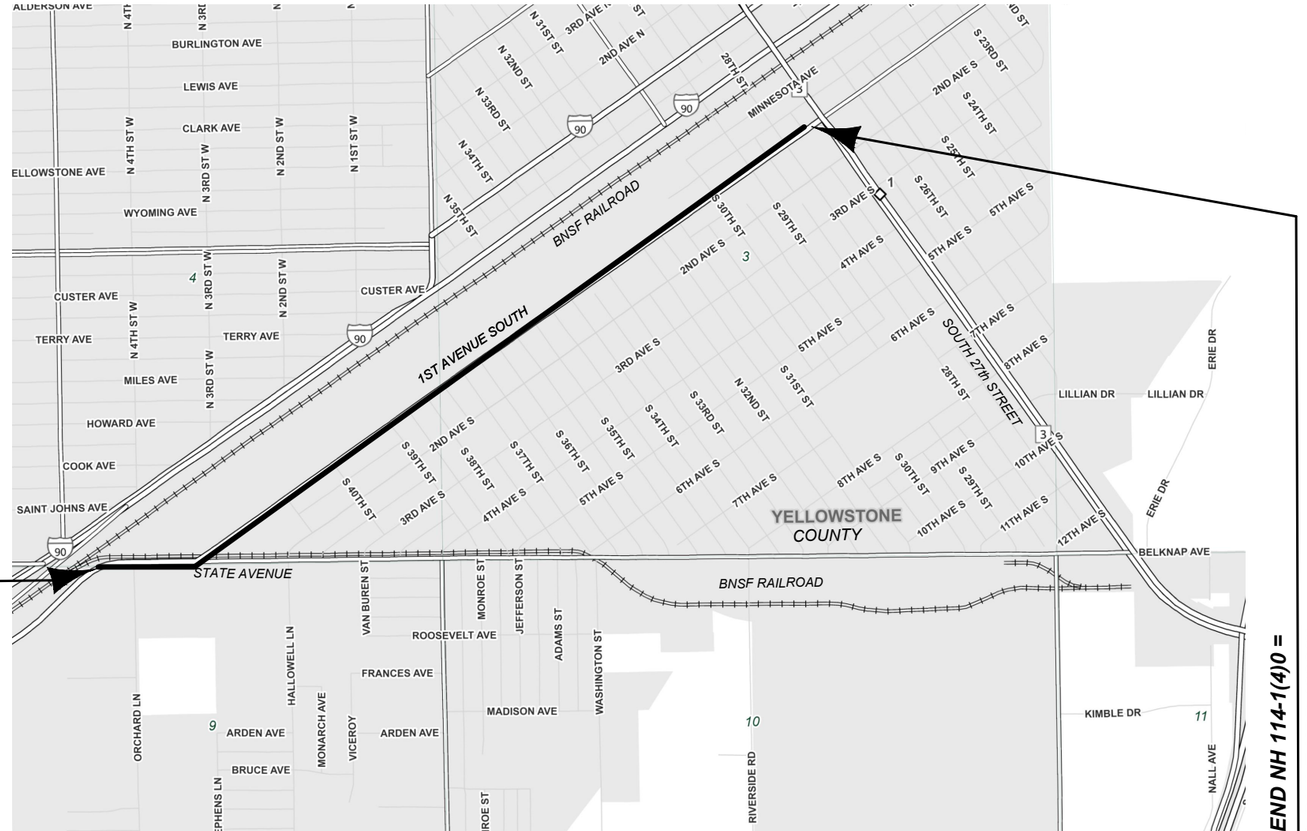
PROJECT DESIGN DATA RP 0.762 TO RP 2.05			
PRESENT	2025	A.A.D.T. =	7,780
LETTING	2027	A.A.D.T. =	7,940
DESIGN	2047	A.A.D.T. =	9,690
		D.H.V. =	970
		TRUCKS =	4.6%
		V. =	40 MPH
		18 KIP ESAL'S =	102 DAILY
		ANNUAL GROWTH RATE =	1.0%

RELATED PROJECTS
UPP 1024(5) NH 113-1(9)0

SURFACING SOURCES -
CONTRACTOR FURNISHED

R26E

T1S



STA. 11+60.16 NH-CMDP 1025(10) =
STA. 11+60.16 BEGIN NH 114-1(4)0

RP 0.546 TO RP 2.05
THIS CONTRACT

STA. 87+88.93 END NH 114-1(4)0 =
STA. 46+13 AS-BUILT UPP 1022(9)

SHEET NO. 01

TITLE SHEET

PROJECT NAME 1ST AVE SOUTH - BILLINGS
COUNTY YELLOWSTONE
PROJECT ID NH 114-1(4)0
UPN 10692000

DESIGNED BY	G. FRAZIER	07/2026
REVIEWED BY	C. HOPKINS	07/2026
CHECKED BY	J.SOLIDAY	07/2026

MONTANA
Department of Transportation

ROAD PLANS

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NOTES

BASIS OF PLAN QUANTITIES

(QUANTITIES FOR ESTIMATING PURPOSES ONLY)

COMP. AGGREGATE WEIGHT	= 3750 LBS. PER CUBIC YARD
COMP. WEIGHT OF PL. MIX BIT. SURF.	= 4167 LBS. PER CUBIC YARD
ASPHALT BINDER - GRADE S - 1/2" AGG.	= 6.7% OF PL.MIX BIT.SURF.
HYDRATED LIME	= 1.4% OF PL.MIX BIT.SURF.
EMULSIFIED ASPHALT - TACK (ALL OTHER SURFACES)	= 0.05 GAL. PER SQ.YARD (UNDILUTED)

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.

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.

AS-BUILTS

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

NH-CMDP 1025(10) (TRAFFIC SIGNALS & LIGHTS,WORK COMPLETED 2024)

DO NOT DISTURB

WATER VALVE 70.33' RIGHT OF STATION 17+43.83 ON ORCHARD LANE
WATER VALVE 79.38' RIGHT OF STATION 17+57.14 ON ORCHARD LANE

SHEET NO.
02

TABLE OF CONTENTS & NOTES

PROJECT NAME: 1ST AVE SOUTH - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: NH 114-1(4)0
UPN: 10692000

DESIGNED BY	G. FRAZIER	07/2026
REVIEWED BY	C. HOPKINS	07/2026
CHECKED BY	J. SOLIDAY	07/2026

MONTANA Department of Transportation

ROAD PLANS

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*APPROACHES (FOR INFORMATION ONLY)

STATION	TYPE	linear feet				EXISTING SURFACING	PROPOSED SURFACE	feet	square yards	tons	tons	gallons	REMARKS
		WIDTH	RADIUS #		LENGTH FROM EOP			PMS THICKNESS	COLD MILLING 0.15'	PLANT MIX BIT. SURF. S 1/2 IN-HIMA	ASPHLAT BINDER PG 76E-34	EMULS. ASPHALT TACK	
			LEFT	RIGHT									
11+49	PRIVATE	35	90	90	5.0	CONCRETE							T AND E LLC APP RT
12+95	PRIVATE	35	90	90	5.0	CONCRETE							JOHNSON WILLIAM H APP RT
14+08.	PRIVATE	35	90	90	5.0	CONCRETE							G & L PROPERTIES LLC APP 1 RT
14+95	PRIVATE	40	90	90	5.0	CONCRETE							G & L PROPERTIES LLC APP 2 RT
17+37	PUBLIC	45	25	25	25.0	PMS	MILL/FILL TO LENGTH	0.15	126	17	1	6	ORCHARD LANE RT
19+24	PRIVATE	35	90	90	5.0	GRAVEL							BNSF APP LT
20+40	PRIVATE	45	90	90	5.0	CONCRETE							MIKE D DIMICH SONS APP 1 RT
20+58	PRIVATE	35	90	90	5.0	GRAVEL							BNSF APP LT
22+21	PRIVATE	20	90	90	5.0	CONCRETE							PBN PROPERTIES APP RT
22+65	PRIVATE	25	90	90	5.0	CONCRETE							BELL MONT PROPERTIES APP RT
24+00	PRIVATE	25	90	90	5.0	CONCRETE							KELLER BILLING APP 1 LT
24+58	PRIVATE	25	90	90	5.0	CONCRETE							KELLER BILLING APP 2 LT
25+11	PRIVATE	35	90	90	5.0	CONCRETE							EAGLE PROPERTY APP 1 RT
25+41	PRIVATE	35	90	90	5.0	CONCRETE							MESSINGER COMPANY APP LT
27+00	PRIVATE	30	90	90	5.0	CONCRETE							EAGLE PROPERTY APP 2 RT
27+00	PRIVATE	30	90	90	5.0	CONCRETE							MESSINGER COMPANY APP 2 LT
28+00	PRIVATE	40	90	90	5.0	CONCRETE							MUELLER APP 1 RT
28+45	PRIVATE	20	90	90	10.0	CONCRETE							MESSINGER COMPANY APP 3 LT
28+60	PRIVATE	20	90	90	5.0	CONCRETE							MUELLER APP 2 RT
29+27	PRIVATE	40	90	90	10.0	CONCRETE							MESSINGER COMPANY APP 4 LT
29+67	PRIVATE	20	90	90	5.0	CONCRETE							MUELLER APP 3 RT
30+18	PRIVATE	20	90	90	5.0	CONCRETE							MUELLER APP 4 RT
30+44	PRIVATE	30	90	90	10.0	CONCRETE							OVERHEAD DOOR APP LT
31+20	PRIVATE	20	90	90	5.0	CONCRETE							MUELLER APP 5 RT
32+10	PUBLIC	30	25	25	50.0	PMS	MILL/FILL TO LENGTH	0.15		9	1	4	S 41ST ST RT
32+68	PRIVATE	50	90	90	5.0	CONCRETE							BIG SKY CAR WASH APP 1 RT
32+71	PRIVATE	20	90	90	10.0	CONCRETE							1ST AVENUE ABCC LLC APP 1 LT
33+36	PRIVATE	20	90	90	5.0	CONCRETE							BIG SKY CAR WASH APP 2 RT
34+00	PRIVATE	25	90	90	5.0	CONCRETE							FASTENAL APP 1 RT
34+28	PRIVATE	20	90	90	10.0	CONCRETE							1ST AVENUE ABCC LLC APP 2 LT
34+40	PRIVATE	25	90	90	10.0	CONCRETE							FASTENAL APP 2 RT
35+00	PRIVATE	30	90	90	10.0	CONCRETE							TKO AUTO SALES APP 1 LT
35+62	PRIVATE	25	90	90	10.0	CONCRETE							FASTENAL APP 3 RT
35+64	PRIVATE	20	90	90	10.0	CONCRETE							TKO AUTO SALES APP 2 LT
36+27	PRIVATE	25	90	90	5.0	CONCRETE							1ST SOURCE APP 1 LT
37+00	PRIVATE	25	90	90	5.0	CONCRETE							2nd SOURCE APP 2 LT
37+07	PUBLIC	25	25	25	25.0	PMS	MILL/FILL TO LENGTH	0.15	97	13	1	5	S 40TH ST RT
38+27	PRIVATE	35	25	25	5.0	CONCRETE							FAMILY THRIFT APP 1 LT
38+92	PRIVATE	15	90	90	10.0	CONCRETE							HUCK'S MOWER SALES APP RT
39+41	PRIVATE	35	90	90	5.0	CONCRETE							FAMILY THRIFT APP 2 LT
39+89	PRIVATE	35	90	90	10.0	CONCRETE							PRIVATE APP RT
40+21	PRIVATE	35	90	90	5.0	CONCRETE							FAMILY THRIFT APP 3 LT
40+46	PRIVATE	15	90	90	10.0	CONCRETE							PRIVATE APP RT
40+78	PRIVATE	15	90	90	10.0	CONCRETE							PRIVATE APP RT
41+96	PRIVATE	25	90	90	10.0	CONCRETE							GUARANTEED AUTO REPAIR APP RT
41+98	PRIVATE	20	90	90	10.0	CONCRETE							SPR APP LT
42+43	PRIVATE	45	90	90	10.0	CONCRETE							FREEBIRD APP 1 LT
43+10	PUBLIC	50	25	25	25.0	PMS	MILL/FILL TO LENGTH	0.15	109	14	1	5	S 39TH ST RT
43+46	PRIVATE	50	90	90	10.0	CONCRETE							FREEBIRD APP 2 LT
43+92	PRIVATE	30	90	90	10.0	CONCRETE							PRIVATE APP RT
44+77	PRIVATE	60	90	90	10.0	CONCRETE							PRIVATE APP RT
45+45	PRIVATE	25	90	90	10.0	CONCRETE							PRIVATE APP RT
46+90	PUBLIC	45	25	25	25.0	PMS	MILL/FILL TO LENGTH	0.15	119	17	1	6	S 38TH ST RT
47+87	PRIVATE	15	90	90	10.0	CONCRETE							MT CLEANING APP RT
48+62	PRIVATE	35	90	90	10.0	CONCRETE							PRIVATE APP LT
48+78	PUBLIC	20	90	90	10.0	CONCRETE							ALLEY APP RT
49+24	PRIVATE	35	90	90	10.0	CONCRETE							PRIVATE APP LT
SUBTOTAL									**451**	**70**	**5**	**26**	

ALL RADII MEASURED TO FRONT OF GUTTER OR EDGE OF SHOULDER
* - MEASURED ON CAD

SHEET NO. 03

APPROACH TABLE SUMMARY

PROJECT NAME: 1ST AVE SOUTH - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: NH 114-1(4)0
UPN: 10692000

DESIGNED BY	07/2026	REVIEWED BY	07/2026	CHECKED BY	07/2026
G. FRAZIER		C. HOPKINS		J. SOLIDAY	

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MONTANA Department of Transportation

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*APPROACHES CONTINUED (FOR INFORMATION ONLY)

STATION	TYPE	linear feet				EXISTING SURFACING	PROPOSED SURFACE	feet	square yards	tons	tons	gallons	REMARKS
		WIDTH	RADIUS #		LENGTH FROM EOP			PMS THICKNESS	COLD MILLING	PLANT MIX BIT. SURF. S 1/2 IN-HIMA	ASPHLAT BINDER PG 76E-34	EMULS. ASPHALT TACK	
			LEFT	RIGHT									
49+50	PRIVATE	40	90	90	10.0	CONCRETE							APPLIANCE SHACK APP RT
50+00	PRIVATE	50	90	90	10.0	CONCRETE							PRIVATE APP LT
50+70	PUBLIC	45	25	25	25.0	PMS	MILL/FILL TO LENGTH	0.15	119	17	1	6	S 37TH ST RT
51+22	PRIVATE	65	90	90	10.0	CONCRETE							PRIVATE APP LT
51+27	PRIVATE	15	90	90	10.0	CONCRETE							KINGS HAT APP 1 RT
52+28	PRIVATE	15	90	90	10.0	CONCRETE							KINGS HAT APP 2 RT
52+67	PRIVATE	45	90	90	10.0	CONCRETE							PRIVATE APP RT
54+50	PUBLIC	45	25	25	25.0	PMS	MILL/FILL TO LENGTH	0.15	133	18	1	7	S 36TH ST RT
54+81	PRIVATE	90	90	90	10.0	CONCRETE							BNSF APP LT
55+20	PRIVATE	40	90	90	10.0	CONCRETE							GM APP 1 RT
55+50	PRIVATE	20	90	90	10.0	CONCRETE							MCBRIDE MECHANICAL APP 1 LT
56+00	PRIVATE	35	90	90	10.0	CONCRETE							GM APP 2 RT
56+14	PRIVATE	15	90	90	10.0	CONCRETE							MCBRIDE MECHANICAL APP 2 LT
56+40	PRIVATE	20	90	90	10.0	CONCRETE							ALLEY APP RT
56+78	PRIVATE	20	90	90	10.0	CONCRETE							ADVANTAGE ELECTRIC PLUS INC APP 1 LT
57+57	PRIVATE	20	90	90	10.0	CONCRETE							ADVANTAGE ELECTRIC PLUS INC APP 2 LT
58+30	PUBLIC	45	25	25	25.0	PMS	MILL/FILL TO LENGTH	0.15	103	14	1	5	S 35TH ST APP RT
59+37	PRIVATE	20	90	90	10.0	CONCRETE							JIM'S UPHOSTLRY APP RT
59+73	PRIVATE	60	90	90	10.0	CONCRETE							BNSF APP LT
60+40	PRIVATE	60	90	90	10.0	CONCRETE							RATCO TRAILER APP 1 RT
61+00	PRIVATE	25	90	90	10.0	CONCRETE							BNSF APP LT
61+33	PRIVATE	25	90	90	10.0	CONCRETE							RATCO TRAILER APP 2 RT
62+10	PUBLIC	45	25	25	25.0	PMS	MILL/FILL TO LENGTH	0.15	149	21	1	7	S 34TH ST RT
62+75	PRIVATE	30	90	90	10.0	CONCRETE							CM APP 1 RT
63+40	PRIVATE	30	90	90	10.0	CONCRETE							CM APP 2 RT
63+97	PUBLIC	20	90	90	10.0	CONCRETE							ALLEY APP RT
65+90	PUBLIC	45	25	25	25.0	PMS	MILL/FILL TO LENGTH	0.15	148	20	1	7	S 33RD ST RT
67+50	PRIVATE	20	90	90	10.0	CONCRETE							PRIVATE APP LT
68+33	PRIVATE	20	90	90	10.0	CONCRETE							PRIVATE APP LT
69+68	PUBLIC	45	25	25	25.0	PMS	MILL/FILL TO LENGTH	0.15	133	18	1	7	S 32ND ST RT
70+90	PRIVATE	30	90	90	10.0	CONCRETE							WEST RIVER INDUSTRIES APP LT
71+36	PRIVATE	50	90	90	10.0	CONCRETE							PRIVATE APP RT
72+51	PRIVATE	25	90	90	10.0	CONCRETE							PRIVATE APP RT
72+51	PRIVATE	30	90	90	10.0	CONCRETE							PRIVATE APP LT
73+34	PRIVATE	25	90	90	10.0	CONCRETE							BNSF APP LT
73+45	PUBLIC	45	25	25	25.0	PMS	MILL/FILL TO LENGTH						S 31ST ST RT
73+84	PRIVATE	40	90	90	10.0	CONCRETE							ST VINCENT DE PAUL APP 1 LT
74+60	PRIVATE	30	90	90	10.0	CONCRETE							SUMMIT APP 1 RT
75+22	PRIVATE	30	90	90	10.0	CONCRETE							ST VINCENT DE PAUL APP 2 LT
75+60	PRIVATE	30	90	90	10.0	CONCRETE							SUMMIT APP 2 RT
77+31	PUBLIC	50	25	25	25.0	PMS	MILL/FILL TO LENGTH	0.15	195	27	2	10	S 30TH ST RT
77+31	PUBLIC	50	25	25	25.0	PMS	MILL/FILL TO LENGTH		151	21	1	8	S 30TH ST LT
77+90	PRIVATE	20	90	90	10.0	CONCRETE							SUPERIOR WATER & ENERGY SOLUTIONS APP 1 LT
78+75	PRIVATE	30	90	90	10.0	CONCRETE							SUPERIOR WATER & ENERGY SOLUTIONS APP 2 LT
79+12	PUBLIC	20	90	90	10.0	CONCRETE							ALLEY APP RT
79+37	PRIVATE	20	90	90	10.0	CONCRETE							RAILINE COFFEE APP RT
81+05	PUBLIC	45	25	25	25.0	PMS	MILL/FILL TO LENGTH	0.15	139	19	1	7	S 29TH ST RT
81+05	PUBLIC	45	25	25	25.0	PMS	MILL/FILL TO LENGTH	0.15	153	21	1	8	S 29TH ST LT
81+80	PRIVATE	20	90	90	10.0	CONCRETE							CBRE APP 1 RT
81+90	PRIVATE	10	90	90	10.0	CONCRETE							MRM UNIFIED CAMPUSES APP LT
82+37	PRIVATE	20	90	90	10.0	CONCRETE							CBRE APP 2 RT
82+97	PUBLIC	20	90	90	10.0	CONCRETE							ALLEY APP LT
82+97	PUBLIC	20	90	90	10.0	CONCRETE							ALLEY APP RT
84+87	PUBLIC	45	25	25	25.0	PMS	MILL/FILL TO LENGTH	0.15	157	22	1	8	S BROADWAY ST LT
84+87	PUBLIC	45	25	25	25.0	PMS	MILL/FILL TO LENGTH	0.15	159	22	1		S BROADWAY ST RT
86+78	PUBLIC	20	90	90	10.0	CONCRETE						8	ALLEY APP LT
86+78	PUBLIC	20	90	90	10.0	CONCRETE							ALLEY APP RT
SUBTOTAL									**1,739**	**240**	**15**	**88**	
TOTAL									**2,190**	**310**	**20**	**114**	

ALL RADII MEASURED TO FRONT OF GUTTER OR EDGE OF SHOULDER
*- MEASURED ON CAD

SHEET NO. 04

APPROACH TABLE SUMMARY

PROJECT NAME: 1ST AVE SOUTH BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: NH 114-1(4)0
UPN: 10692000

DESIGNED BY: G. FRAZIER 07/2026
REVIEWED BY: C. HOPKINS 07/2026
CHECKED BY: J. SOLIDAY 07/2026

MONTANA Department of Transportation

ROAD PLANS

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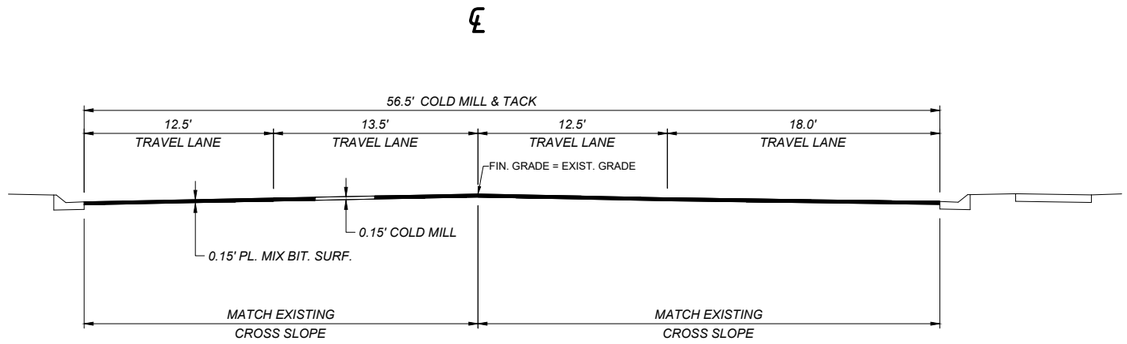
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TYPICAL SECTION NO. 1

STATE AVENUE

11+60.16			BEGIN PROJECT
11+60.16	TO	12+13.90	TYP. NO. 1
12+13.90	TO	15+68.19	TRANS. TYP. NO. 1 TO TYP. NO. 2



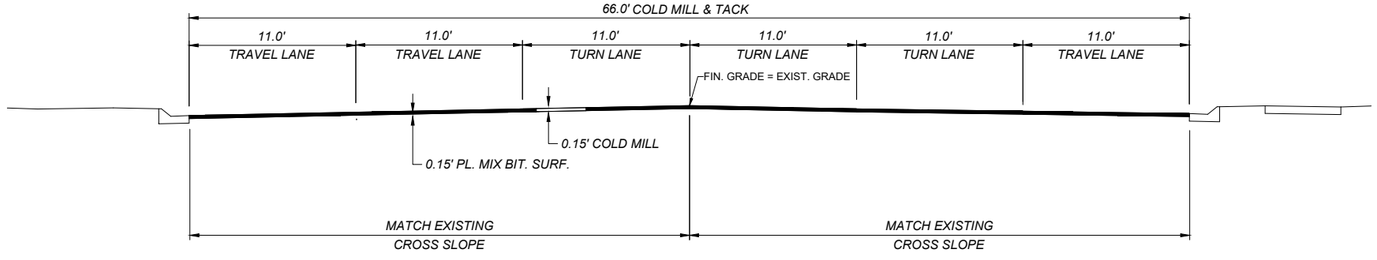
QUANTITIES					
UNIT	AGGREGATE	UNIT	BITUMINOUS MATERIAL		
	PLANT MIX		ASPHALT BINDER	EMULSIFIED ASPHALT TACK*	COLD MILLING
AREA square feet	8.48	square yards PER STATION		628	628
cubic yards PER STATION	31.4	tons PER STATION	4.38		
tons PER STATION	65.4	gals. PER STATION		31	
square yards PER STATION					

* BASED ON 1 APPLICATION

TYPICAL SECTION NO. 2

STATE AVENUE

15+68.19	TO	21+75.77	TYP. NO. 2
21+75.77	TO	25+12.62	TRANS. TYP. NO. 2 TO TYP. NO. 3



QUANTITIES					
UNIT	AGGREGATE	UNIT	BITUMINOUS MATERIAL		
	PLANT MIX		ASPHALT BINDER	EMULSIFIED ASPHALT TACK*	COLD MILLING
AREA square feet	9.90	square yards PER STATION		733	733
cubic yards PER STATION	36.7	tons PER STATION	5.13		
tons PER STATION	76.5	gals. PER STATION		37	
square yards PER STATION					

* BASED ON 1 APPLICATION

SHEET NO. 05

TYPICAL SECTION

PROJECT NAME 1ST AVE SOUTH - BILLINGS

COUNTY YELLOWSTONE

PROJECT ID NH 114-1(4)0

UPN 10692000

DESIGNED BY	07/2026
G. FRAZIER	
REVIEWED BY	07/2026
C. HOPKINS	
CHECKED BY	07/2026
J. SOLIDAY	

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MONTANA Department of Transportation

ROAD PLANS

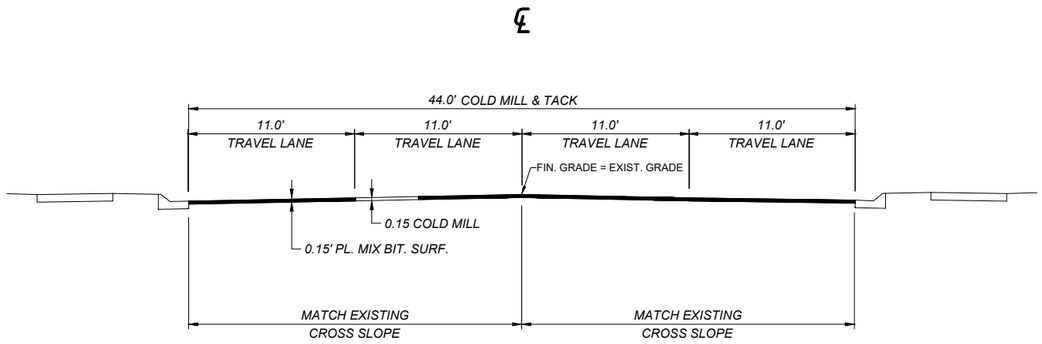
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25+12.62 TO 77+63.63 TYP. NO. 3
77+63.63 TO 78+89.74 TRANS. TYP. NO. 3 TO TYP. NO. 4

TYPICAL SECTION NO. 3

1ST AVENUE SOUTH



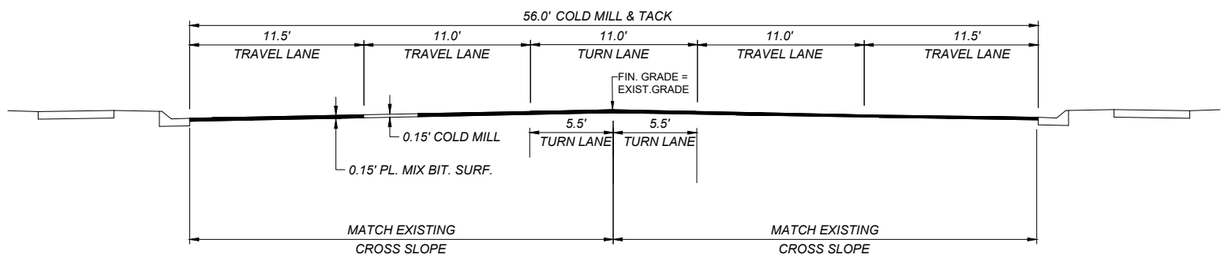
QUANTITIES					
UNIT	AGGREGATE	UNIT	BITUMINOUS MATERIAL		
	PLANT MIX		ASPHALT BINDER	EMULSIFIED ASPHALT TACK*	COLD MILLING
AREA square feet	6.60	square yards PER STATION	3.40	489	489
cubic yards PER STATION	24.4	tons PER STATION			
tons PER STATION	50.8	gals. PER STATION		24	
square yards PER STATION					

* BASED ON 1 APPLICATION

78+89.75 TO 87+88.93 TYP. NO. 4
87+88.93 END PROJECT

TYPICAL SECTION NO. 4

1ST AVENUE SOUTH



QUANTITIES					
UNIT	AGGREGATE	UNIT	BITUMINOUS MATERIAL		
	PLANT MIX		ASPHALT BINDER	EMULSIFIED ASPHALT TACK*	COLD MILLING
AREA square feet	8.40	square yards PER STATION	4.34	622	622
cubic yards PER STATION	31.1	tons PER STATION			
tons PER STATION	64.8	gals. PER STATION		31	
square yards PER STATION					

* BASED ON 1 APPLICATION

SHEET NO. 06

TYPICAL SECTION

PROJECT NAME 1ST AVE SOUTH - BILLINGS
COUNTY YELLOWSTONE
PROJECT ID NH 114-1(4)0
UPN 10692000

DESIGNED BY	07/2026
G. FRAZIER	
REVIEWED BY	07/2026
C. HOPKINS	
CHECKED BY	07/2026
J. SOLIDAY	

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MONTANA Department of Transportation

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SURFACING

STATION FROM	STATION TO	linear feet GROSS	linear feet NET	+	-	FOR	tons HYDRATED LIME	AGGREGATE tons PLANT MIX BIT. SURF. S 1/2 IN-HIMA	BITUMINOUS tons ASPHALT BINDER PG 76E-34	BITUMINOUS gals EMULSIFIED ASPHALT TACK	REMARKS
11+60.16	12+13.90	53.74	53.74			STATE AVENUE		35	2.4	17	TYP. NO. 1
12+13.90	15+68.19	354.29	354.29			STATE AVENUE		252	16.9	120	TRANS. TYP. NO. 1 TO TYP. NO. 2
15+68.19	21+75.77	607.58	607.58			STATE AVENUE		465	31.2	225	TYP. NO. 2
21+75.77	25+12.62	336.85	336.85			STATE AVENUE TO 1ST AVENUE SOUTH		215	14.4	103	TRANS. TYP. NO. 2 TO TYP. NO. 3
25+12.62	77+63.63	5,251.01	5,251.01			1ST AVENUE SOUTH		2,668	178.8	1,260	TYP. NO. 3
77+63.63	78+89.74	126.11	126.11			1ST AVENUE SOUTH		73	4.9	35	TRANS. TYP. NO. 3 TO TYP. NO. 4
78+89.74	87+88.93	899.19	899.19			1ST AVENUE SOUTH		583	39.0	279	TYP. NO. 4
						ADDITIONAL SURFACING		679	44.7	224	
TOTAL		**7,628.77**	**7,628.77**	~	~		**70**	**4,969**	**332.1**	**2,263**	

ADDITIONAL SURFACING (INCLUDED IN SURFACING FRAME)

STATION FROM	STATION TO	linear feet GROSS	linear feet NET	+	-	FOR	tons HYDRATED LIME	AGGREGATE tons PLANT MIX BIT. SURF. S 1/2 IN-HIMA	BITUMINOUS tons ASPHALT BINDER PG 76E-34	BITUMINOUS gals. EMULSIFIED ASPHALT TACK	REMARKS
						PUBLIC APPROACHES (16)		310	20	115	
						STATE AVE INTERSECTION		90	6.0	43	CAD CALCULATIONS (SHOWN ON PLANS) 0.15' THK MILL/FILL
54+26	54+48					NO. 1 DIGOUT		6	0.4	1	0.30' THK PMS
56+14	56+36					NO. 2 DIGOUT		5	0.3	1	0.30' THK PMS
32+10	32+10					S 41ST ST APP. DIGOUT		67	4.5	16	
37+07	37+07					S 40TH ST APP. DIGOUT		67	4.5	16	
46+90	46+90					S 38TH ST. APP. DIGOUT		67	4.5	16	
50+70	50+70					S 37TH ST APP. DIGOUT		67	4.5	16	
SUBTOTAL		~	~	~	~		~	**679**	**44.7**	**224**	

SHEET NO.
07

SUMMARY

PROJECT NAME: 1ST AVE SOUTH - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: NH 114-1(4)0
UPN: 10692000

DESIGNED BY		REVIEWED BY		CHECKED BY	
G. FRAZIER	07/2026	C. HOPKINS	07/2026	J. SOLIDAY	07/2026

MONTANA Department of Transportation

ROAD PLANS

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DIGOUT EXCAVATION *

STATION		cu. yards				lump sum	
FROM	TO	EXCAVATION DIGOUT	CRUSHED AGG. COURSE	SPECIAL BORROW NEAT LINE	CONTROLLED LOW STRENGTH MATERIAL	* TEMPRORY SHORING	REMARKS
54+32	54+42	35	5	14	14		NO. 1 DIGOUT BETWEEN 35TH AND 36TH ST
56+20	56+30	26	4	11	11		NO 2 DIGOUT BETWEEN 35TH AND 36TH ST
31+77	32+42	263	55	164			S 41TH ST APP. DIGOUT
36+75	37+46	400	84	258			S 40TH ST APP. DIGOUT
46+34	47+26	403	86	260			S 38TH ST APP. DIGOUT
50+26	51+14	402	84	260			S 37TH ST APP. DIGOUT
TOTAL		1,529	318	967	25	1	

* SEE DETAIL

PAVEMENT MARKINGS

ITEM	UNIT	INTERIM APPLICATION #	FINAL APPLICATION	TOTAL
STRIPING - WHITE PAINT	gallon	31		31
STRIPING - YELLOW PAINT	gallon	43		43
WORDS & SYMBOLS - WHITE PAINT	gallon	20		20
WORDS & SYMBOLS - YELLOW PAINT	gallon	7		7
STRIPING - WHITE EPOXY	gallon		43	43
STRIPING - YELLOW EPOXY	gallon		57	57
WORDS & SYMBOLS - WHITE EPOXY	gallon		23	23
WORDS & SYMBOLS - YELLOW EPOXY	gallon		10	10
YELLOW CURB EPOXY	gallon		43	43

BASED ON 1 APPLICATION. ESTIMATED QUANTITES

COLD MILLING *

STATION		sq. yards	
FROM	TO	COLD MILLING 0.15 ft	REMARKS
11+60.16	12+13.90	337	TYP. NO. 1
12+13.90	15+68.19	2,411	TRANS. TYP. NO. 1 TO TYP. NO. 2
15+69.19	21+75.77	4,453	TYP. NO. 2
21+75.77	25+12.62	2,058	TRANS. TYP. NO. 2 TO TYP. NO. 3
25+12.62	77+63.63	25,677	TYP. NO. 3
77+63.63	78+89.74	701	TRANS. TYP. NO. 3 TO TYP. NO. 4
78+89.74	87+88.93	5,593	TYP. NO. 4
		859	CAD CALC STATE AVE INTERSECTION
		2,190	APPROACH TABLE
TOTAL		44,280	

* SEE DETAILS

SHEET NO.
08

SUMMARY

PROJECT NAME 1ST AVE SOUTH - BILLINGS
COUNTY YELLOWSTONE
PROJECT ID NH 114-1(4)0
UPN 106920000

DESIGNED BY G. FRAZIER 07/2026
REVIEWED BY C. HOPKINS 07/2026
CHECKED BY J. SOLIDAY 07/2026

MONTANA Department of Transportation

ROAD PLANS

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MANHOLES IN PLACE

STATION	each ADJUST MANHOLE STORM SEWER #		each ADJUST MANHOLE SEWER #		each ADJUST MANHOLE COMMUNICATION ##		REMARKS
	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	
17+10.78				1			STATE AVE & ORCHARD LN
17+19.59	1						STATE AVE & ORCHARD LN
17+23.91			1				STATE AVE & ORCHARD LN
22+64.84			1				STATE AVE
24+90.32	1						1ST AVE
27+54.61	1						1ST AVE
29+14.47	1						1STAVE
32+23.41	1						1ST AVE & S 41ST ST
37+15.01			1				1ST AVE & S 41ST ST
37+18.53	1						1ST AVE & S 41ST ST
39+33.24	1						1ST AVE
43+19.70	1						1ST AVE & S 39TH ST
46+96.93	1						1ST AVE & S 38TH ST
50+79.77	1						1ST AVE & S 37TH ST
54+37.35	1						1ST AVE
54+60.07	1						1ST AVE & S 36TH ST
56+40.51			1				1ST AVE
56+61.85	1						1ST AVE
58+38.45			1				1ST AVE & S 35TH ST
62+19.24	1						1ST AVE & S 34TH ST
65+97.07	1						1ST AVE & S 33RD ST
69+76.94	1						1ST AVE & S 32ND ST
73+36.16		1					1ST AVE & S 31ST ST
73+46.25			1				1ST AVE & S 31ST ST
77+09.64						1	1ST AVE & S 30TH ST
77+17.69		1					1ST AVE & S 30TH ST
77+18.15	1						1ST AVE & S 30TH ST
77+41.24	1						1ST AVE & S 30TH ST
77+41.80		1					1ST AVE & S 30TH ST
79+18.91			1				1ST AVE
79+22.83		1					1ST AVE
81+16.25	1						1St AVE & S 29TH ST
81+21.91		1					1ST AVE & S 29TH ST
82+98.88			1				1ST AVE
83+07.33		1					1ST AVE
84+99.22		1					1ST AVE & S BROADWAY
85+00.03	1						1ST AVE & S BROADWAY
85+07.07	1						1ST AVE & S BROADWAY
86+79.92			1				1ST AVE
86+89.59		1					1ST AVE
SUBTOTAL	**21**	**8**	**9**	**1**	~	**1**	
TOTAL	**29**		**10**		**1**		

 # FUNDING - COST SHARE 75% STATE AND 25% CITY

FUNDING - COST SHARE 75% STATE AND 25% UTILITY COMPANY

NOTE: USE CONCRETE APRON PER DETAILED DRAWINGS 621-05; INCLUDE IN COST OF MANHOLE ADJUST

WATER VALVE BOXES

STATION	each ADJUST VALVE BOX		REMARKS
	LEFT	RIGHT	
12+04.55	1		STATE AVE
16+42.14	1		STATE AVE
17+35.78	1		STATE AVE & ORACHARD LN
17+38.06		1	ORACHARD LN
17+38.56	1		STATE AVE & ORACHARD LN
19+01.78		1	STATE AVE
21+23.40		1	STATE AVE
21+56.82	1		STATE AVE
22+93.39		1	STATE AVE
24+00.38		1	1ST AVE
24+02.75		1	1ST AVE
24+24.58		1	1ST AVE
26+71.04		1	1ST AVE
26+79.04		1	1ST AVE
28+80.43		1	1ST AVE
28+83.55		1	1ST AVE
32+28.37		1	1ST AVE & S 41ST ST
32+31.24		1	1ST AVE & S 41ST ST
36+23.88		1	1ST AVE
36+80.95		1	1ST AVE & S 40TH ST
36+83.97		1	1ST AVE & S 40TH ST
40+28.71		1	1ST AVE
42+69.46		1	1ST AVE & S 39TH ST
43+12.76		1	1ST AVE & S 39TH ST
43+14.87		1	1ST AVE & S 39TH ST
43+47.03		1	1ST AVE & S 39TH ST
46+46.65		1	1ST AVE & S 38TH ST
46+49.65		1	1ST AVE & S 38TH ST
46+94.40		1	1ST AVE & S 38TH ST
50+25.48		1	1ST AVE & S 37Th ST
50+28.57		1	1ST AVE & S 37Th ST
50+75.69		1	1ST AVE & S 37Th ST
54+09.59		1	1ST AVE & S 36TH ST
54+39.95		1	1ST AVE & S 36TH ST
54+55.32		1	1STAVE & S 36TH ST
54+57.96		1	1STAVE & S 36TH ST
54+89.01		1	1STAVE & S 36TH ST
57+92.20		1	1ST AVE & S 35TH ST
58+31.84		1	1ST AVE & S 35TH ST
58+33.88		1	1ST AVE & S 35TH ST
58+72.53		1	1ST AVE & S 35TH ST
59+36.02		1	1ST AVE
62+01.38		1	1ST AVE & S 34TH ST
62+03.77		1	1ST AVE & S 34TH ST
62+47.78		1	1ST AVE & S 34TH ST
65+47.57		1	1ST AVE & S 33RD ST
65+82.31		1	1ST AVE & S 33RD ST
66+29.67		1	1ST AVE & S 33RD ST
66+32.75		1	1ST AVE & S 33RD ST
66+97.85		1	1ST AVE
69+28.79		1	1ST AVE & S 32ND ST
69+63.32		1	1ST AVE & S 32ND ST
69+65.63		1	1ST AVE & S 32ND ST
70+07.78		1	1ST AVE & S 32ND ST
73+51.78		1	1ST AVE & S 31ST ST
73+53.95		1	1ST AVE & S 31ST ST
73+53.88		1	1st AVE & S 31ST ST
73+87.69		1	1ST AVE & S 31ST ST
75+66.31		1	1ST AVE
76+84.95		1	1ST AVE & S 30TH ST
76+88.50		1	1ST AVE & S 30TH ST
77+27.97	1		1ST AVE & S 30TH ST
77+28.28		1	1ST AVE & S 30TH ST
77+67.56	1		1St AVE
80+61.33		1	1ST AVE & S 29TH ST
80+92.48		1	1ST AVE & S 29TH ST
81+08.92	1		1ST AVE & S 29TH ST
81+09.15		1	1ST AVE & S 29TH ST
81+10.02	1		1ST AVE & S 29TH ST
84+47.35	1		1ST AVE & S BROADWAY
84+88.40		1	1ST AVE & S BROADWAY
84+88.71		1	1STAVE & S BROADWAY
84+89.04	1		1ST AVE & S BROADWAY
SUBTOTAL	**11**	**62**	
TOTAL	**73**		

 # FUNDING - COST SHARE 75% STATE AND 25% CITY

NOTE: USE CONCRETE APRON PER DETAILED DRAWING 621-05; INCLUDE IN COST OF WATER VALVE BOX ADJUST

SHEET NO. 09

SUMMARY

PROJECT NAME: 1ST AVE SOUTH - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: NH 114-1(4)0
UPN: 10692000

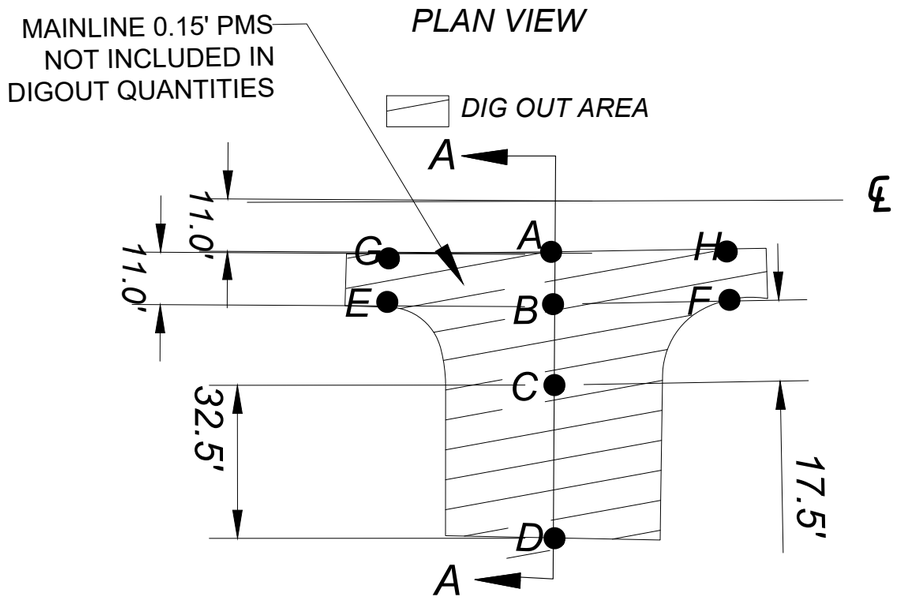
DESIGNED BY		REVIEWED BY		CHECKED BY	
G. FRAZIER	07/2026	C. HOPKINS	07/2026	J. SOLIDAY	07/2026

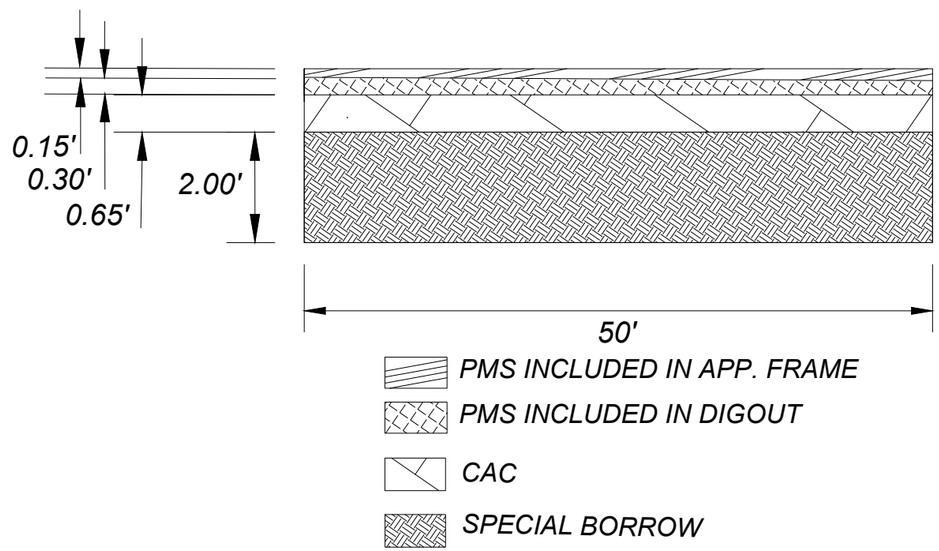
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MONTANA Department of Transportation

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	EXISTING ELEVATIONS											APPROACH WIDTH
	A (FT)	SLOPE	B (FT)	SLOPE	C (FT)	SLOPE	D (FT)	E (FT)	F (FT)	G (FT)	H (FT)	FEET
41ST ST	3143.59	1.5%	3143.42	2.1%	3143.06	1.3%	3142.64	3143.02	3143.06	3143.59	3143.53	26.70
40TH ST	3142.86	0.9%	3142.76	1.3%	3142.54	0.4%	3142.40	3142.34	3142.50	3142.67	3142.83	45.80
38TH ST	3138.62	0.6%	3138.57	0.5%	3138.66	1.0%	3139.00	3138.06	3138.11	3138.40	3138.37	46.30
37TH ST	3138.57	0.4%	3138.61	0.1%	3138.63	0.1%	3138.57	3138.11	3138.02	3138.37	3138.34	46.10

	PROPOSED ELEVATIONS											APPROACH WIDTH
	A (FT)	SLOPE	B (FT)	SLOPE	C (FT)	SLOPE	D (FT)	E (FT)	F (FT)	G (FT)	H (FT)	FEET
41ST ST	3143.59	1.0%	3143.48	2.1%	3143.12	1.3%	3142.69	3143.02	3143.06	3143.59	3143.53	26.7
40TH ST	3142.86	1.0%	3142.75	1.3%	3142.54	0.4%	3142.40	3142.34	3142.50	3142.67	3142.83	45.8
38TH ST	3138.62	1.0%	3138.51	0.8%	3138.66	1.0%	3139.00	3138.06	3138.11	3138.40	3138.37	46.3
37TH ST	3138.57	1.0%	3138.45	1.0%	3138.63	0.1%	3138.57	3138.11	3138.02	3138.37	3138.34	46.1

NOTE : MAINTAIN POSITIVE DRAINAGE

SHEET NO. 10

APPROACH DIGOUT DETAIL

PROJECT NAME: 1ST AVE SOUTH - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: NH 114-1(4)0
UPN: 10692000

DESIGNED BY	G. FRAZIER	07/2026
REVIEWED BY	C. HOPKINS	07/2026
CHECKED BY	J. SOLIDAY	07/2026

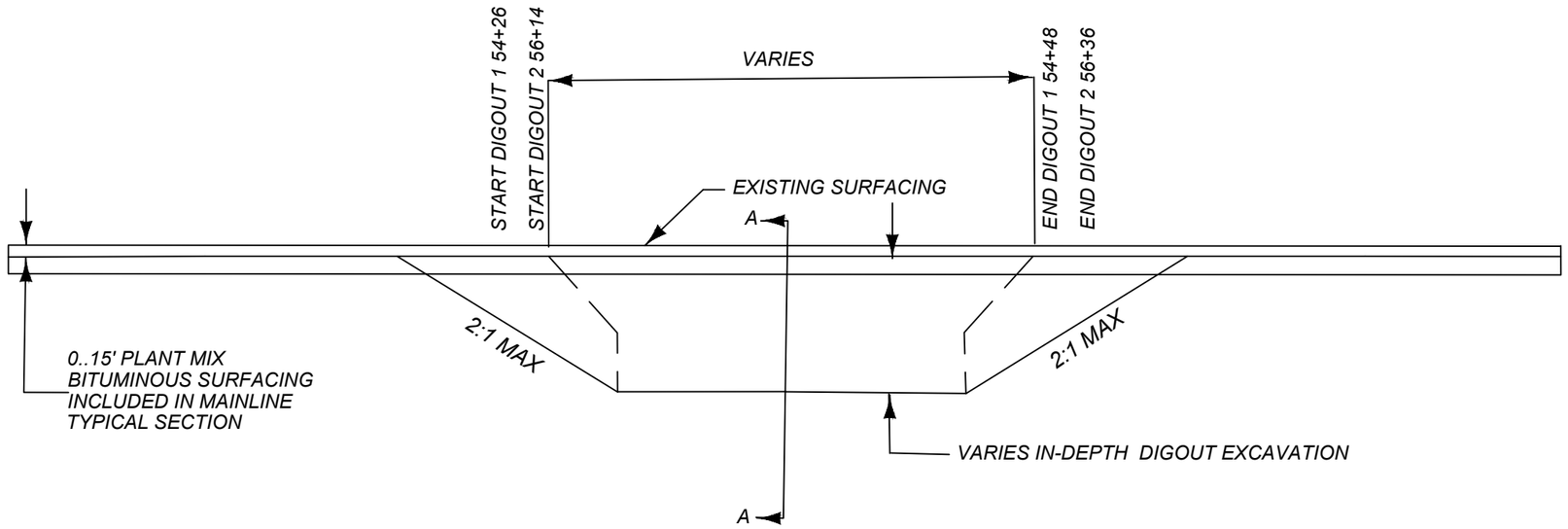
MONTANA Department of Transportation

ROAD PLANS

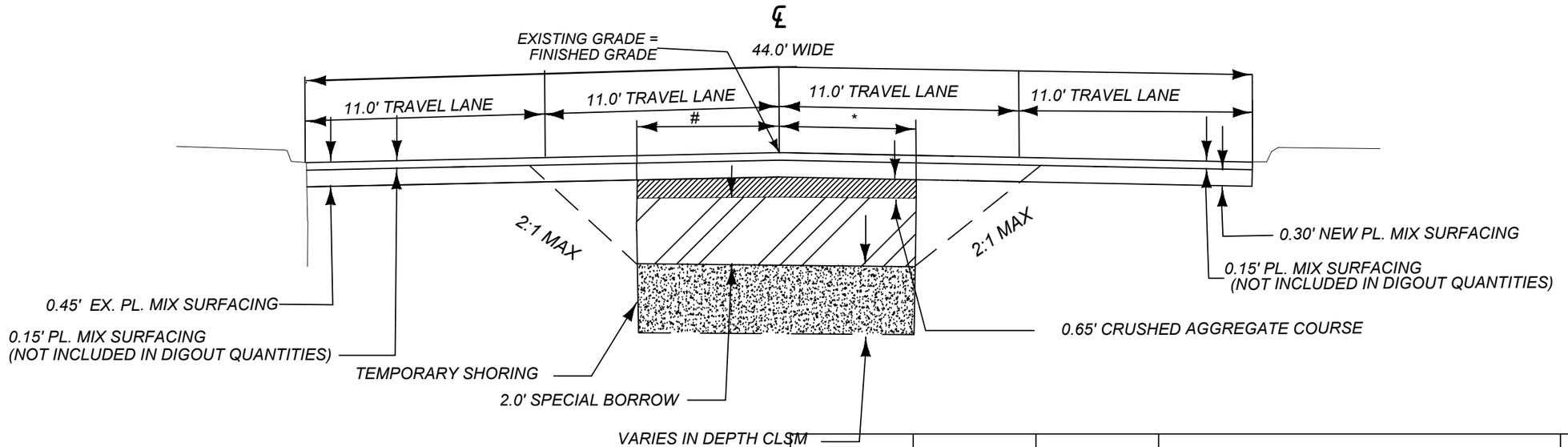
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SECTION A-A



			CUBIC YARDS				FEET	
	BEGIN STATION	END STATION	DIGOUT EX	CAC	SPECIAL BORROW	CL SM	*	#
DIGOUT NO. 1	54+26	54+48	35	5	14	14	8	4
DIGOUT NO. 2	56+14	56+36	26	4	11	11	0	9

NOTES

1. THE FINAL LENGTH AND DEPTH OF THE DIGOUT IS APPROVED BY THE PROJECT MANAGER
2. SEE MODIFIED DIGOUT SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION

SHEET NO. 11

MODIFIED DIGOUT DETAIL

PROJECT NAME: 1ST AVE SOUTH - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: NH 114-1(4)0
UPN: 10692000

DESIGNED BY	G. FRAZIER	07/2026
REVIEWED BY	C. HOPKINS	07/2026
CHECKED BY	J.SOLIDAY	07/2026

APPROACH AND DIGOUT LAYOUT.DWG

MONTANA Department of Transportation

ROAD PLANS

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MILLING
CAD CALC MILLING AREA

20+00
PT 15+95.85
PC 21+76.22
PT 23+47.22
WATER VALVE 17+35.78 10.7'LT
WATER VALVE 16+42.14 10.62' LT
MANHOLE 17+23.91 4.7'LT
WATER VALVE 17+38.56 13.24'LT
WATER VALVE 19+01.78 18.91' RT
WATER VALVE 21+56.82 16.13'LT
MANHOLE 22+64.84 27.59'LT
MANHOLE 24+90.32 10.55'LT
WATER VALVE 24+02.75 6.72' RT
1ST AVE S
WATER VALVE 24+24.58 6.92'RT
WATER VALVE 26+71.04 7.42'RT
MANHOLE 27+54.61 10.33'LT
WATER VALVE 26+79.04 7.39'RT
STATE AVE
WATER VALVE 24+00.38 9.17' RT
DETAILED CAD CALC 330 SQYD
PC 12+13.78
10+00
PT 10+53.38
PT 10+05.55
STATE AVE
MANHOLE 17+10.78 16'RT
MANHOLE 17+19.59 8.5'LT
ORCHARD LN
WATER VALVE 17+38.06 13.39' RT
WATER VALVE (Do Not Disturb) 17+43.83 70.33' RT
WATER VALVE (Do Not Disturb) 17+57.14 79.38' RT
WATER VALVE 21+23.40 20.81'RT
WATER VALVE 22+93.39 9.48'RT
DETAIL CAD CALC 529 SQYD
WATER VALVE 12+04.55 2.13' LT
11+60.16 BEGIN PROJECT
PT 8+42.20
6+00
PT 7+17.64

MILLING
APPROACH DIGOUT

30+00
40+00
MANHOLE 29+14.47 10.11'LT
MANHOLE 32+23.41 10.17'LT
WATER VALVE 32+28.37 11.95'RT
MANHOLE 37+15.01 19.18' LT
MANHOLE 37+18.53 10.02'LT
MANHOLE 39+33.24 9.52' LT
MANHOLE 43+19.70 9.37'LT
MANHOLE 46+96.93 8.4'LT
1ST AVE S
WATER VALVE 28+83.55 10.16'RT
WATER VALVE 28+80.43 10.16' RT
WATER VALVE 32+31.24 9.64'RT
50' MILL OFFSET
WATER VALVE 36+23.88 13.08' RT
WATER VALVE 36+80.95 12.67' RT
WATER VALVE 36+83.97 10.27' RT
50' MILL OFFSET
WATER VALVE 40+28.71 9.37' RT
WATER VALVE 42+69.46 11.69' RT
WATER VALVE 43+12.76 41.79' RT
WATER VALVE 43+14.87 45' RT
WATER VALVE 43+47.03 10.27' RT
50' MILL OFFSET
WATER VALVE 46+46.65 14.22' RT
WATER VALVE 46+49.91 12.36' RT
WATER VALVE 46+94.4 39.67' RT
50' MILL OFFSET
S 41ST ST
S 40TH ST
S 39TH ST
S 38TH ST
MANHOLE 27+54.61 10.33'LT

SHEET NO. 12

MILLING / PAVING LIMITS DETAIL

MONTANA Department of Transportation

ROAD PLANS

PROJECT NAME	1ST AVENUE SOUTH - BILLINGS		
COUNTY	YELLOWSTONE		
PROJECT ID	NH 114-1(4)0		
UPN	10692000		
DESIGNED BY	G. FRAZIER	07/2026	
REVIEWED BY	C. HOPKINS	07/2026	
CHECKED BY	J. SOLIDAY	07/2026	

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MILLING
APPROACH DIGOUT

50+00
60+00
70+00

1ST AVE S

MANHOLE 50+79.77 8.58'LT
DIGOUT 1
PI 54+18.87
MANHOLE 54+37.35 1.85' RT
MANHOLE 54+60.07 8.04'LT
MANHOLE 56+40.51 11.22'LT
WATER VALVE 57+92.2 10.39' RT
MANHOLE 58+38.45 7.44'LT
WATER VALVE 58+72.53 12' RT
MANHOLE 62+19.24 7.51'LT
MANHOLE 65+97.07 7.38'LT
WATER VALVE 69+28.79 13.55'RT
MANHOLE 69+76.94 7.41'LT

WATER VALVE 50+25.48 14.11' RT
WATER VALVE 50+28.57 11.54' RT
S 37TH ST
WATER VALVE 50+75.69 38.29' RT
50' MILL OFFSET
WATER VALVE 54+09.59 12.16' RT
WATER VALVE 54+39.95 9.31' RT
WATER VALVE 54+55.032 41.64' RT
S 36TH ST
WATER VALVE 54+89.01 12.01' RT
WATER VALVE 54+57.96 39.92' RT
DIGOUT 2
S 35TH ST
WATER VALVE 58+31.84 45.95' RT
WATER VALVE 59+36.02 9.66' RT
WATER VALVE 58+33.88 48.81' RT
WATER VALVE 62+01.38 44.13' RT
S 34TH ST
WATER VALVE 62+47.78 12.91' RT
WATER VALVE 62+03.77 46.36' RT
WATER VALVE 65+47.57 13.17' RT
WATER VALVE 65+82.31 40.09' RT
S 33RD ST
WATER VALVE 66+32.75 13.13' RT
WATER VALVE 66+29.67 15.93' RT
WATER VALVE 66+97.85 15.80'RT
WATER VALVE 69+63.32 44.15' RT
S 32ND ST
WATER VALVE 70+07.78 13.76' RT
WATER VALVE 69+65.63 37.87' RT

MILLING

80+00
87+89

WATER VALVE 73+53.88 12.52' RT
MANHOLE 73+46.25 7.00'LT
MANHOLE 77+09.64 10.88' RT
WATER VALVE 76+88.5 2'RT
MANHOLE 77+18.15 9.18'LT
MANHOLE 77+17.69 8.28' RT
WATER VALVE 77+27.97 38.95'LT
MANHOLE 77+41.24 20.87' LT
MANHOLE 79+18.91 9.22'LT
WATER VALVE 81+10.02 42.71'LT
WATER VALVE 81+08.92 39.47'LT
MANHOLE 81+21.91 28.86'LT
MANHOLE 82+98.88 10.11'LT
WATER VALVE 84+47.35 0.19'LT
WATER VALVE 84+89.04 39.52'LT
MANHOLE 85+07.07 34.02'LT
MANHOLE 86+79.92 9.96 'LT
EOA 87+88.51
S 27TH ST
87+88.93 END PROJECT

MANHOLE 73+36.16 33.79' RT
WATER VALVE 73+51.78 40.60' RT
S 31ST ST
WATER VALVE 73+87.69 14.46' RT
WATER VALVE 73+53.95 43.76' RT
WATER VALVE 75+66.31 13.41' RT
WATER VALVE 76+84.95 11.74' RT
WATER VALVE 77+28.28 49.46' RT
S 30TH ST
WATER VALVE 77+67.56 1.27'LT
MANHOLE 77+41.8 9.66' RT
MANHOLE 79+22.83 8.83' RT
WATER VALVE 80+61.33 1'RT
WATER VALVE 80+92.48 42.77'RT
S 29TH ST
MANHOLE 81+16.25 8.96' RT
WATER VALVE 81+09.15 32.78'RT
MANHOLE 83+07.33 8.78' RT
MANHOLE 84+99.22 8.64' RT
WATER VALVE 84+88.71 51.83'RT
S BROADWAY
WATER VALVE 84+88.40 35.55'RT
MANHOLE 85+00.03 9.4'LT
1ST AVE S
MANHOLE 86+89.59 8.6' RT

SHEET NO.
13

MILLING / PAVING LIMITS DETAIL

PROJECT NAME
1ST AVENUE SOUTH - BILLINGS

COUNTY
YELLOWSTONE

PROJECT ID
NH 114-1(4)0

UPN
1062000

DESIGNED BY
G. FRAZIER
07/2026

REVIEWED BY
C. HOPKINS
07/2026

CHECKED BY
J. SOLIDAY
07/2026

MONTANA
Department of Transportation

ROAD PLANS

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NOTES AND ABBREVIATIONS:

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

SEE LOCATION AND SPECIFICATION SHEETS FOR PORTIONS OF PROJECT NOT INCLUDED WITHIN SIGNING PLAN SHEETS.

SIGN POSTS SYMBOLS SHOWN ARE FOR REFERENCE ONLY TO SHOW EXISTING SIGNS THAT REQUIRE NO ACTION.

SIGNING AND PAVEMENT MARKING LOCATIONS ARE APPROXIMATE. PROJECT MANAGER TO FIELD ADJUST AS NECESSARY.

ADOPT A HIGHWAY: IF SIGNS N7-1/N7-1P EXIST, CONTRACTOR WILL CONFIRM THAT THE GROUP NAME ON THE SIGN(S) EXISTING AT THE TIME OF CONSTRUCTION CORRESPONDS TO THE GROUP NAME ON THE SIGN(S) SHOWN IN PLANS. IF NAME IS DIFFERENT, PROJECT MANAGER WILL CONTACT TRAFFIC & SAFETY BUREAU SIGNING SECTION WITH THE CORRECT NAME AND A NEW SIGN DESIGN WILL BE PROVIDED.

RSFO = REPLACE SIGN FACE ONLY

FY = FLUORESCENT YELLOW SHEETING REQUIRED

FYG = FLUORESCENT YELLOW-GREEN SHEETING REQUIRED

1 AIR
2 AIR = 1 OR 2 ANGLE IRONS REQUIRED
2 1/2" x 2 1/2" x 3/8" x 6'-4" (37 lbs.EACH)
IF Y POST DOES NOT REACH TOP 6" OF PANEL, 2 ANGLE IRONS REQUIRED.

MBB = MOUNT BACK TO BACK

CAM = CHEVRON ANGLE MOUNT (SEE DET. DWG 619-24)

CBR = CONCRETE BARRIER RAIL

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

= SINGLE SQUARE TUBE REQUIRED. MOUNTED IN HEAVY DUTY STUB.

« = TELESCOPED SQUARE TUBES (2-1/4" & 2-1/2") WITH SLIP BASE BREAKAWAY REQUIRED. MOUNTED IN HEAVY DUTY STUB.

= FRANGIBLE SIGN POST. BREAKAWAY DEVICE REQUIRED.

BGR = BEHIND GUARDRAIL

BBR = BACKBRACING REQUIRED:
- FOR WOOD POLE SEE DET. DWG 619-22
- FOR STEEL POST 2" X 2" X 1/4" REQUIRED. SEE DET. DWG 619-16
- FOR STRUCTURAL STEEL POST 2 3/4" X 2 3/8" EXTRUDED "T" SECTION BACKBRACE REQUIRED. SEE DET. DWG 619-19
- FOR CANTILEVER POST, SEE DET. DWG 619-18
- FOR GUIDE SIGN PANELS, USE EXTRUDED "T" SECTION BACKBRACE. SEE DET. DWG 619-04

USE HARDWARE MEETING REQUIREMENTS OF SECTION 704

SUMMARY
SIGNING & DELINEATION QUANTITIES

MATERIAL	TOTAL	UNIT
SIGNS-ALUM REFL SHEET XI	1,128.2	SQFT
REMOVE SIGN	92	EACH
POSTS-TUBULAR STEEL	117	LB
POSTS-TUBULAR STEEL-SQ-PERF	1,559	LB
FRANG SIGN POST BKWY-3 IN RD (76 MM)	1	EACH

SHEET NO.
S1

SIGNING SPECIFICATION

PROJECT NAME: 1ST AVE SOUTH - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: NH 114-1(3)0
UPN: 10692000

DESIGNED BY: MORRISON MAIERLE 03/2026
REVIEWED BY:
CHECKED BY:

MONTANA Department of Transportation

SIGNING PLANS

7/29/2026 11:00 AM

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES														ADDITIONAL INFORMATION	
								FEET				FEET						PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
0.694	L	REPLACE	OHD3	60 X 24					Overhead Str Cantilever									10.0									1				Orchard Ln	
0.701	L	REPLACE	OHD3	54 X 24					Overhead Str Cantilever									9.0									1				State Ave	
0.709	R	REPLACE	OHD3	72 X 36					Overhead Str Cantilever									12.0									1				1st Ave S LEFT 500 FT	
0.709	R	REPLACE	OHD3	72 X 24					Overhead Str Cantilever									12.0									1				State Ave	
0.709	R	REPLACE	OHD3	60 X 24					Overhead Str Cantilever									10.0									1				Orchard Ln	
0.731	R	REPLACE	W10-6R	30 X 30	FY			5.0	2.5" Tubular Stl-Square		7.0	3.0	12.0				▲		6.3					61				1					RAILROAD CROSSING ON A SKEW
0.746	R	USE AS IS	R3-5																												ONLY	
			R3-5																												ONLY	
			R3-5a																												ONLY	
0.755	R	RSFO	R14-1	24 X 18					Light Pole		7.0							3.0													TRUCK ROUTE	
			M6-3P	21 X 15														2.2														
			R7-1	12 X 18														1.5													NO PARKING ANY TIME	
0.776	R	REPLACE	OHD3	78 X 24					Overhead Str Cantilever									13.0									1				1st Ave S	
0.776	R	REPLACE	OHD3	72 X 24					Overhead Str Cantilever									12.0									1				State Ave	
0.800	L	USE AS IS	R10-11b																												NO TURN ON RED	
0.820	L	USE AS IS	R3-5																												ONLY	
0.820	L	USE AS IS	R3-5R																												ONLY	

SHEET NO.
S2

SIGNING SUMMARY

PROJECT NAME: 1ST AVE SOUTH - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: NH 114-1(3)0
UPN: 10692000

DESIGNED BY: MORRISON MAIERLE 03/2026
REVIEWED BY:
CHECKED BY:
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MONTANA Department of Transportation

SIGNING PLANS

7/29/2026 11:00 AM

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS											SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
								FEET		FEET									PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
0.820	L	USE AS IS	R3-5R																												
0.820	L	REPLACE	OHD3	54 X 24					Overhead Str Cantilever										9.0										1				
0.851	L	REPLACE	R14-1	24 X 18				5.0	2.0" Tubular Stl-Square		7.0	3.0	11.3				▲		3.0					46				1				
			M6-3P	21 X 15															2.2													
0.866	L	REPLACE	W10-1	36 X 36	FY			5.0	2.5" Tubular Stl-Square		7.0	3.0	11.5				▲		7.1					60				1				
0.926	R	USE AS IS	R7-1																												
0.970	R	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		5.0					65				1				
			D3-1 (2x)	30 X 12			MBB												5.0													
			R1-1	30 X 30															5.2													
0.994	R	USE AS IS	R7-1																												
1.049	R	NEW	R1-5L	36 X 36				5.0	2.5" Tubular Stl-Square		7.0	3.0	11.5				▲		9.0					60								
1.060	R	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		5.0					65				1				
			D3-1 (2x)	30 X 12			MBB												5.0													
			R1-1	30 X 30															5.2													
1.062	R	USE AS IS	R7-1																												

SHEET NO.
S3

SIGNING SUMMARY

PROJECT NAME: 1ST AVE SOUTH - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: NH 114-1(3)0
UPN: 10692000

DESIGNED BY: MORRISON MAIERLE 03/2026
REVIEWED BY:
CHECKED BY:

MONTANA
Department of Transportation

SIGNING PLANS

7/29/2026 11:00 AM

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS												SIGN ASSEMBLY QUANTITIES														ADDITIONAL INFORMATION	
								FEET			FEET									PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
1.065	L	NEW	W11-2(2x)	30 X 30			MBB	5.0	3.0" Tubular Stl-Round		7.0	3.0	11.8				■		12.5					117				1						
			W16-7PR	21 X 15															2.2															
			W16-7PL	21 X 15															2.2															
1.068	R	NEW	W11-2	30 X 30				6.0	3.0" Tubular Stl-Round		7.0	3.0	13.3				▲		6.3						65									
			W16-7PL	21 X 15															2.2															
1.071	L	NEW	R1-5L	36 X 36				5.0	2.5" Tubular Stl-Square		7.0	3.0	11.5				▲		9.0						60									
1.136	R	USE AS IS	R7-1																														
1.175	R	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		5.0						65			1						
			D3-1 (2x)	30 X 12			MBB												5.0															
			R1-1	30 X 30															5.2															
1.214	R	USE AS IS	R7-1																														
1.248	R	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		5.0						65			1						
			D3-1 (2x)	30 X 12			MBB												5.0															
			R1-1	30 X 30															5.2															
1.273	R	USE AS IS	R7-1																														
1.317	R	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		5.0						65			1						
			D3-1 (2x)	30 X 12			MBB												5.0															
			R1-1	30 X 30															5.2															

SHEET NO. S4

SIGNING SUMMARY

PROJECT NAME: 1ST AVE SOUTH - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: NH 114-1(3)0
UPN: 10692000

DESIGNED BY: MORRISON MAIERLE 03/2026
REVIEWED BY:
CHECKED BY:
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MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS											SIGN ASSEMBLY QUANTITIES													ADDITIONAL INFORMATION	
								FEET		FEET									PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
1.346	R	USE AS IS	R7-1																													
1.385	R	REPLACE	D3-1 (2x)	30 X 12			M BB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		5.0					65				1				s 36th st	
			D3-1 (2x)	30 X 12			M BB												5.0													1st Ave s	
			R1-1	30 X 30															5.2													STOP	
1.406	L	USE AS IS	R14-1																													TRUCK ROUTE	
1.527	R	REPLACE	D3-1 (2x)	30 X 12			M BB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		5.0					65				1				s 35th st	
			D3-1 (2x)	30 X 12			M BB												5.0													1st Ave s	
			R1-1	30 X 30															5.2													STOP	
1.595	R	REPLACE	D3-1 (2x)	30 X 12			M BB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		5.0					65				1				s 34th st	
			D3-1 (2x)	30 X 12			M BB												5.0													1st Ave s	
			R1-1	30 X 30															5.2													STOP	
1.551	R	USE AS IS	R7-1																													NO PARKING ANY TIME	
1.595	R	REPLACE	D3-1 (2x)	30 X 12			M BB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		5.0					65				1				s 33rd st	
			D3-1 (2x)	30 X 12			M BB												5.0													1st Ave s	
			R1-1	30 X 30															5.2													STOP	

SHEET NO.
S5

SIGNING SUMMARY

PROJECT NAME: 1ST AVE SOUTH - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: NH 114-1(3)0
UPN: 10692000

DESIGNED BY	DATE
MORRISON MAIERLE	03/2026
REVIEWED BY	
CHECKED BY	

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MONTANA Department of Transportation

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS									SIGN ASSEMBLY QUANTITIES														ADDITIONAL INFORMATION	
								FEET		FEET							PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
1.615	R	USE AS IS	R7-1																												NO PARKING ANY TIME	
1.624	R	USE AS IS	R14-1																												TRUCK ROUTE	
1.669	R	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		5.0					65				1				s 32nd st	
			D3-1 (2x)	30 X 12			MBB												5.0													1st Ave s	
			R1-1	30 X 30															5.2													STOP	
1.698	R	USE AS IS	R7-1																												NO PARKING ANY TIME	
1.698	L	USE AS IS	R2-1																													
1.737	R	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		5.0					65				1				s 31st st	
			D3-1 (2x)	30 X 12			MBB												5.0													1st Ave s	
			R1-1	30 X 30															5.2													STOP	
1.761	R	REPLACE	R7-1	12 X 18					LIGHT POLE		7.0								1.5									1				NO PARKING ANY TIME	
1.795	R	USE AS IS	R7-1																												NO PARKING ANY TIME	
1.810	R	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		9.0					65				1				s 30th st	
			D3-1 (2x)	30 X 12			MBB												9.0													1st Ave s	
			R1-1	30 X 30															9.0													STOP	

SHEET NO. S6

SIGNING SUMMARY

PROJECT NAME: 1ST AVE SOUTH - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: NH 114-1(3)0
UPN: 10692000

DESIGNED BY: MORRISON MAIERLE 03/2026
REVIEWED BY:
CHECKED BY:

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MONTANA Department of Transportation

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES														ADDITIONAL INFORMATION	
								FEET		FEET								PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
1.840	L	USE AS IS	R7-1																												
1.859	L	USE AS IS	R7-1																												
1.876	R	REPLACE	OHD3	54 X 24														13.0									1				1st Ave S	
1.884	R	REPLACE	OHD3	54 X 24														9.0									1				S 29th St	
1.891	L	REPLACE	OHD3	54 X 24														9.0									1				S 29th St	
1.895	R	REPLACE	OHD3	54 X 24														9.0									1				1st Ave S	
1.896	L	USE AS IS	R7-1																												
1.901	R	RSFO	R7-1	12 X 18					LIGHT POLE		7.0							1.5													
1.945	R	REPLACE	OHD3	54 X 24					Overhead Str Cantilever									9.0									1				1st Ave S	
1.950	L	REPLACE	OHD3	78 X 24					Overhead Str Cantilever									13.0									1				S Broadway St	
1.960	R	REPLACE	OHD3	78 X 24					Overhead Str Cantilever									9.0									1				S Broadway St	
1.965	L	REPLACE	OHD3	54 X 24					Overhead Str Cantilever									9.0									1				1st Ave S	
1.980	L	USE AS IS	R7-1																												
1.980	R	RSFO	R14-1	24 X 18					LIGHT POLE		7.0							3.0													TRUCK ROUTE	
			M6-6PR	21 X 15														2.2														
			R7-1	12 X 18														1.5														

SHEET NO. S7

SIGNING SUMMARY

PROJECT NAME: 1ST AVE SOUTH - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: NH 114-1(3)0
UPN: 10692000

DESIGNED BY: MORRISON MAIERLE 03/2026
REVIEWED BY:
CHECKED BY:

MONTANA Department of Transportation

SIGNING PLANS

7/29/2026 11:00 AM

10692000S\SUMZ01.DWG

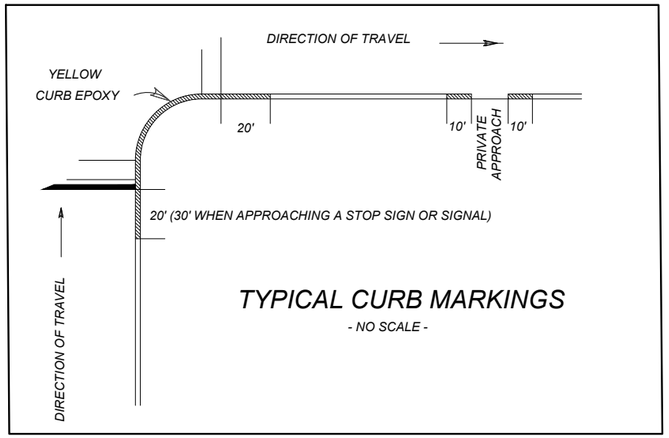
ADVERTISED COPY

Morrison Maierle

SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES														ADDITIONAL INFORMATION	
								FEET		FEET								PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRON'S REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
2.010	R	RSFO	M3-1P	24 X 12		BBR					7.0							2.0														
			M1-5	24 X 24														4.0														
			M6-1PL	21 X 15														2.2														
			M4-5P	24 X 12														2.0														
			M1-1	24 X 24														3.2														
			M6-1PR	21 X 15														2.2														
2.015	R	REPLACE	OHD3	54 X 24					Overhead Str Cantilever									9.0										1				
2.020	L	REPLACE	OHD3	54 X 24					Overhead Str Cantilever									9.0										1				
2.021	L	USE AS IS	R2-1																													
2.040	R	REPLACE	OHD3	54 X 24					Overhead Str Cantilever									9.0										1				
2.045	L	REPLACE	OHD3	54 X 24					Overhead Str Cantilever									9.0										1				

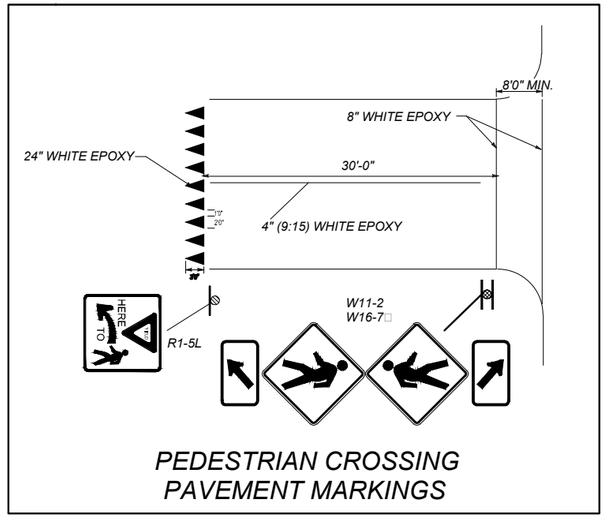
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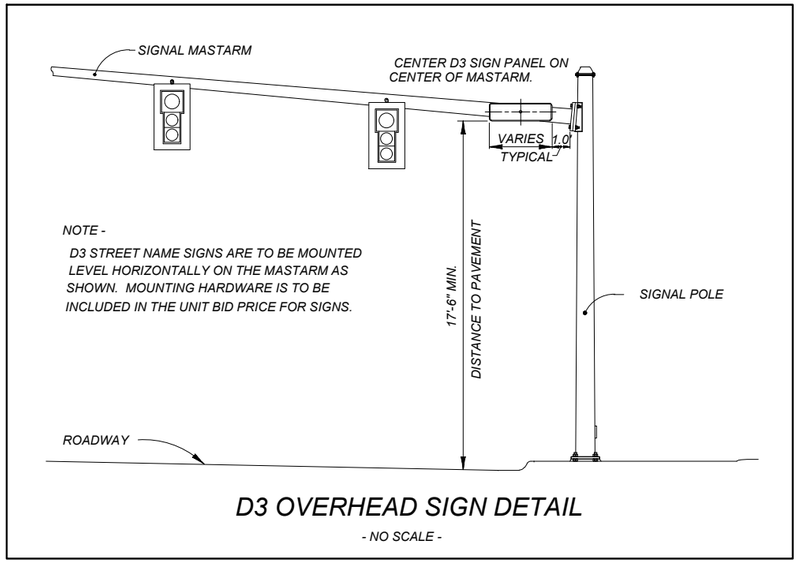


TYPICAL CURB MARKINGS

- NO SCALE -

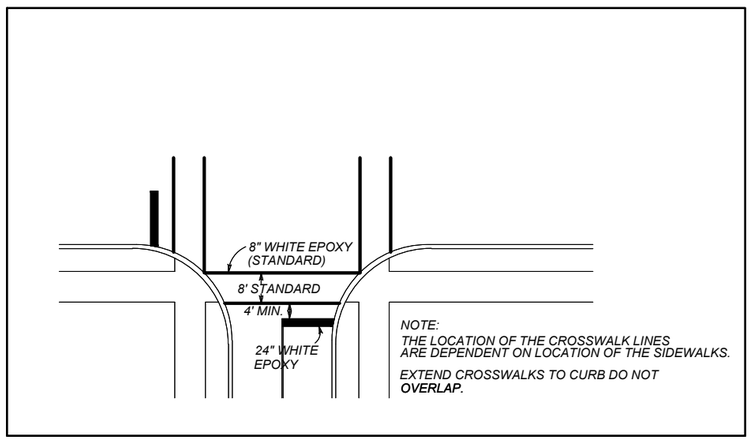


PEDESTRIAN CROSSING
PAVEMENT MARKINGS



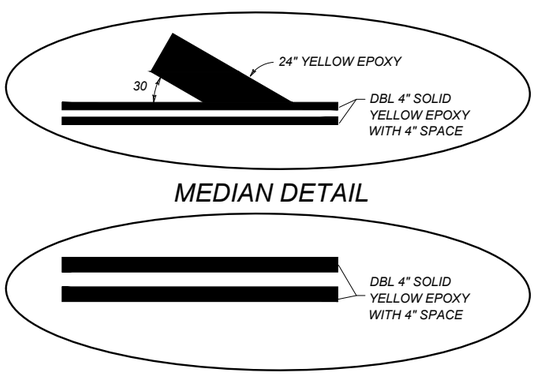
D3 OVERHEAD SIGN DETAIL

- NO SCALE -

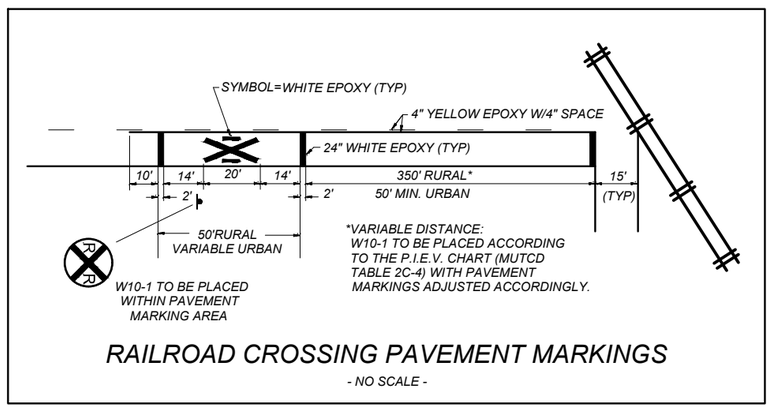


TYPICAL PAVEMENT MARKINGS
FOR PEDESTRIAN CROSSINGS

- NO SCALE -



MEDIAN DETAIL



RAILROAD CROSSING PAVEMENT MARKINGS

- NO SCALE -

SHEET NO.
S9

SIGNING DETAILS

PROJECT NAME: 1ST AVE SOUTH - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: NH 114-1(3)0
UPN: 10692000

DESIGNED BY: MORRISON MAIERLE 03/2026
REVIEWED BY:
CHECKED BY:

MONTANA
Department of Transportation

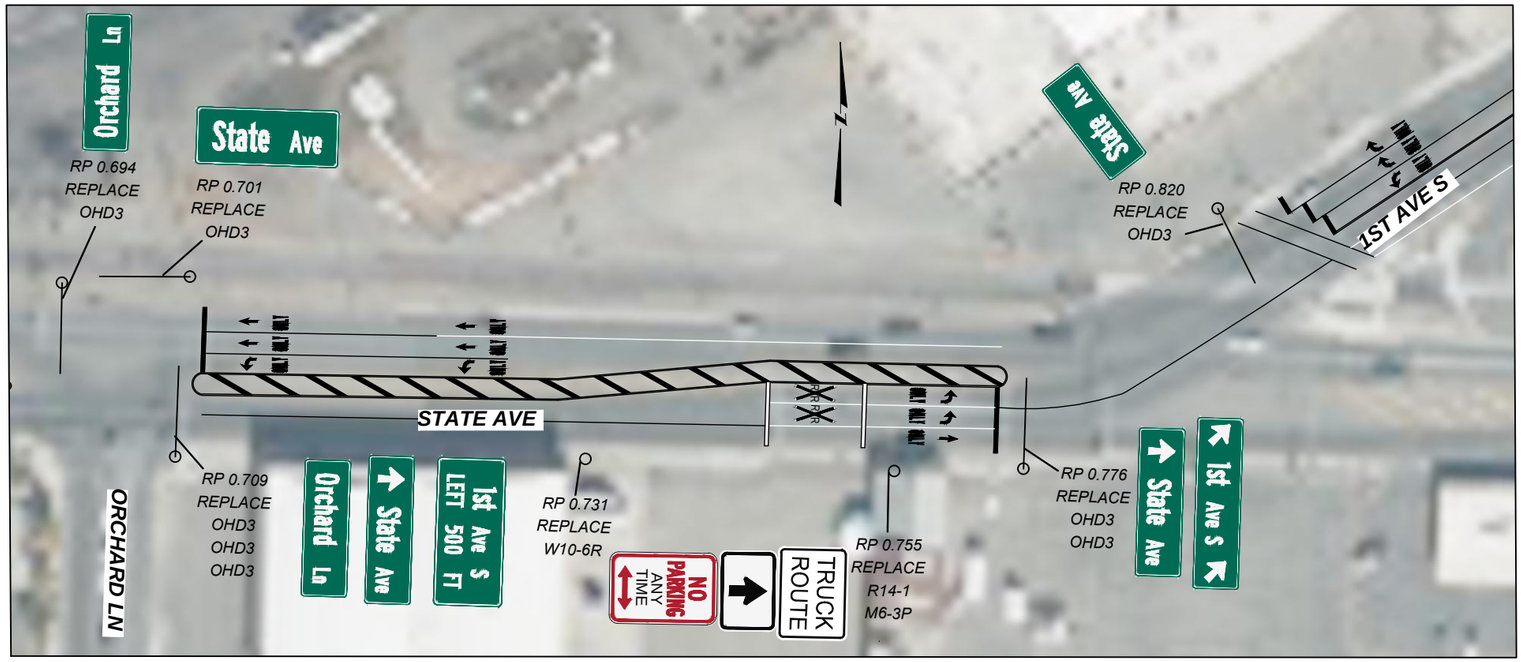
SIGNING PLANS

7/29/2026 11:09 AM

10692000SIDET201.DWG

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SIGNS NOT SHOWN ON PLANS ARE "USE AS IS"



SHEET NO.
S10

SIGNING PLAN

PROJECT NAME: 1ST AVE SOUTH - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: NH 114-1(3)0
UPN: 10692000

DESIGNED BY: MORRISON MAIERLE 03/2026
REVIEWED BY:
CHECKED BY:

MONTANA Department of Transportation

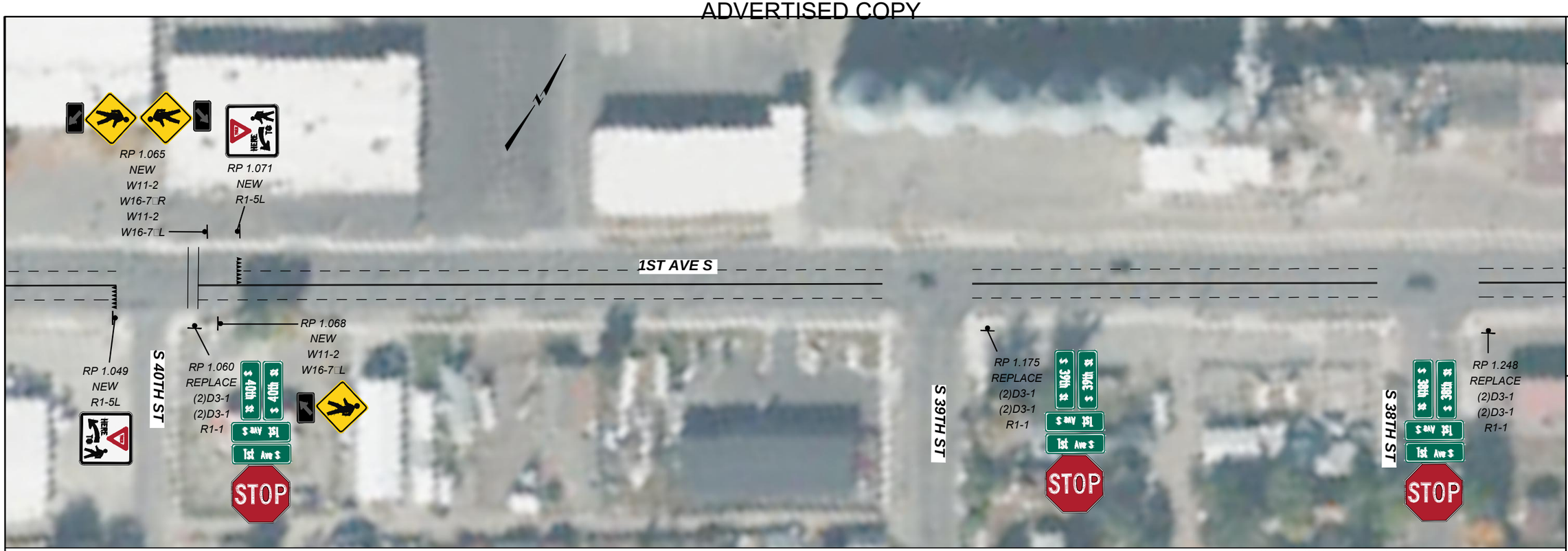
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SIGNS NOT SHOWN ON PLANS ARE "USE AS IS"



SHEET NO.
S11

SIGNING PLAN

PROJECT NAME: 1ST AVE SOUTH - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: NH 114-1(3)0
UPN: 10692000

DESIGNED BY: MORRISON MAIERLE 03/2026
REVIEWED BY:
CHECKED BY:

MONTANA
Department of Transportation

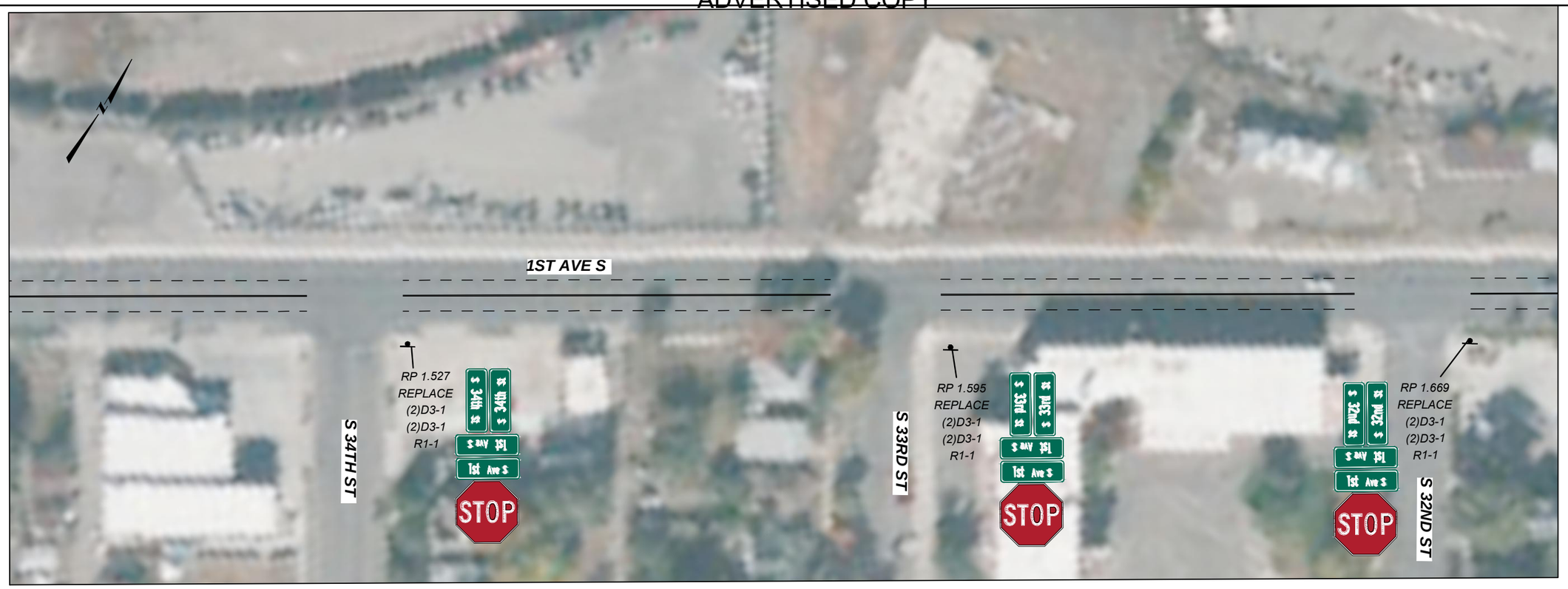
SIGNING PLANS

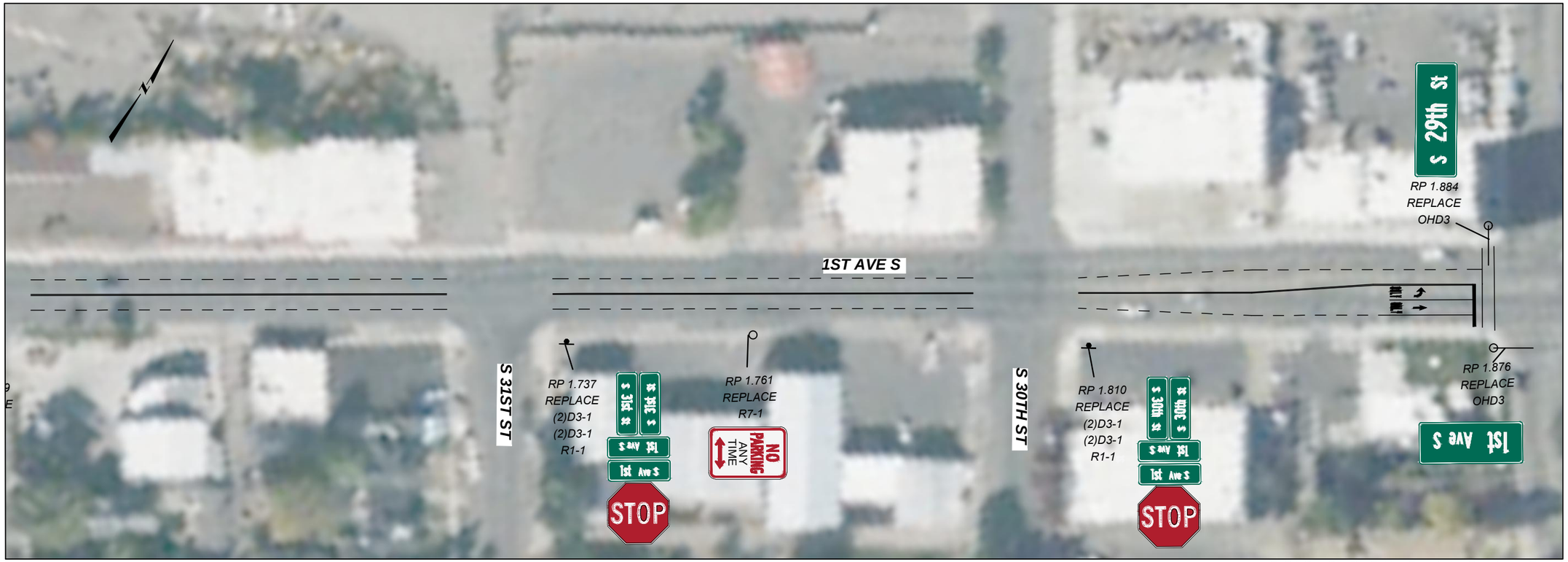
7/29/2026 11:09 AM

10692000SIPLNZ01.DWG

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SIGNS NOT SHOWN ON PLANS ARE "USE AS IS"

SHEET NO.
S12

SIGNING PLAN

PROJECT NAME 1ST AVE SOUTH - BILLINGS
COUNTY YELLOWSTONE
PROJECT ID NH 114-1(3)0
UPN 10692000

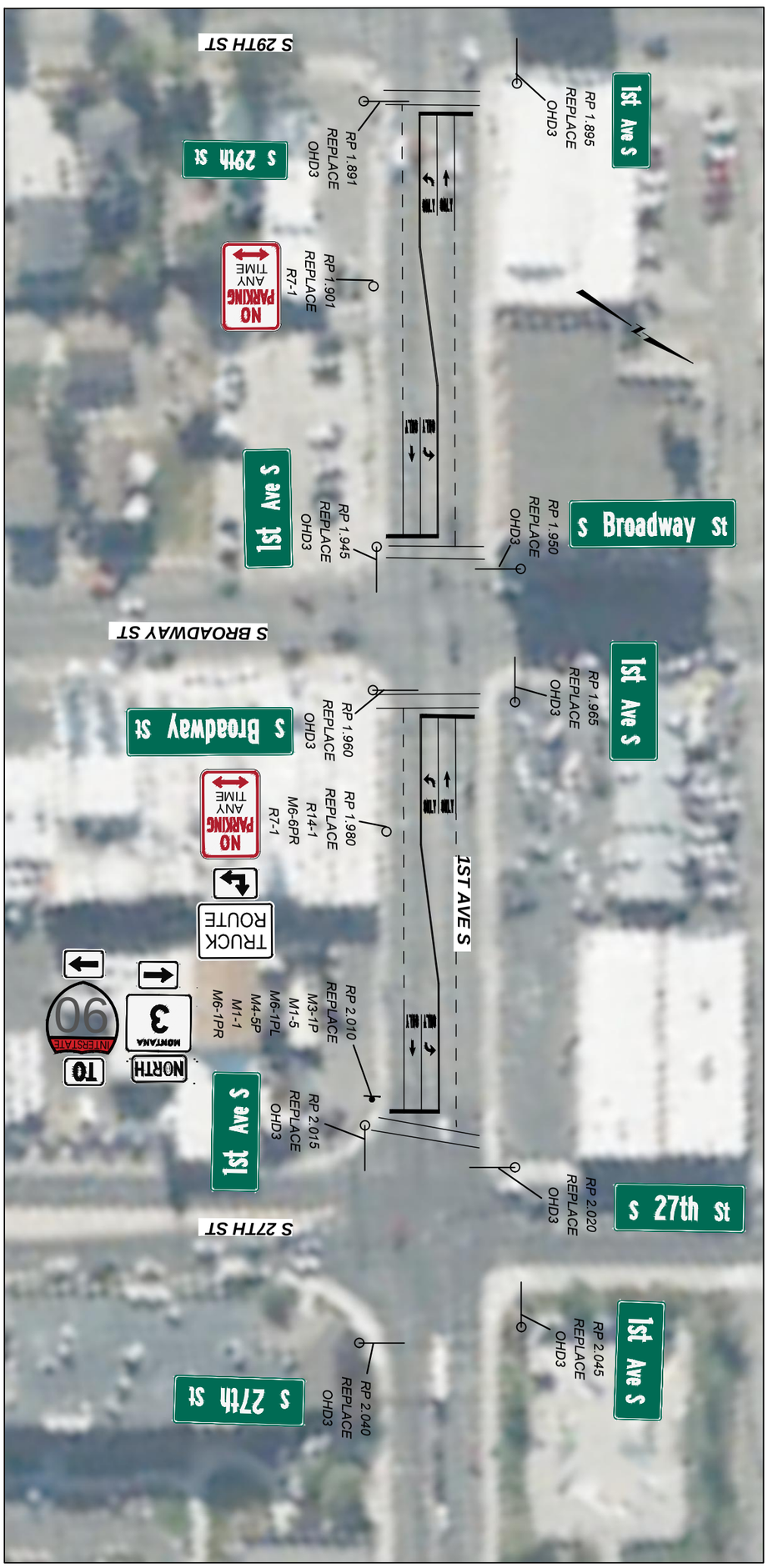
DESIGNED BY	03/2026		
MORRISON MAIERLE			
REVIEWED BY			
CHECKED BY			

10692000SIPLNZ01.DWG

MONTANA
Department of Transportation

SIGNING PLANS

7/29/2026 11:09 AM



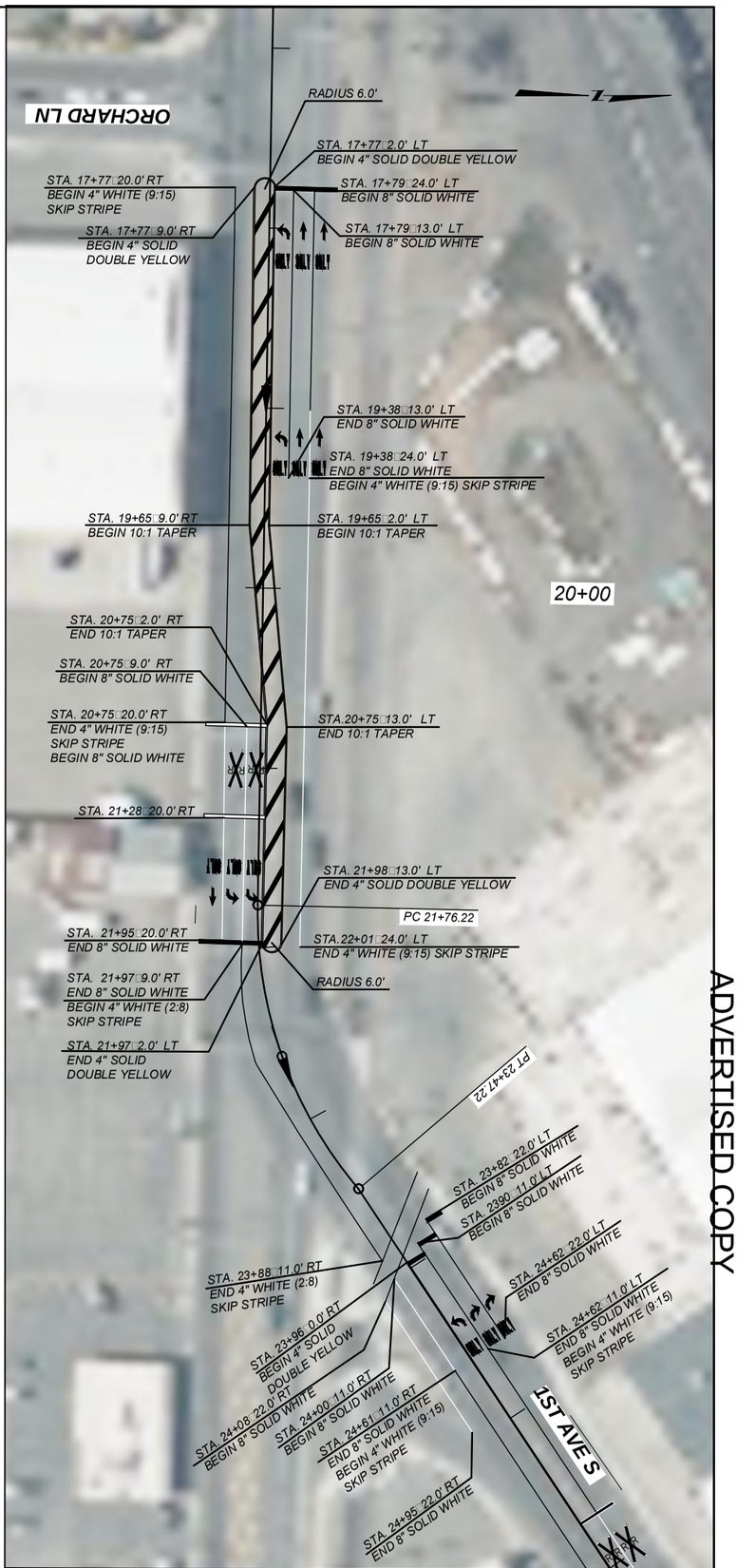
SIGNS NOT SHOWN ON PLANS ARE "USE AS IS"

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MONTANA Department of Transportation	DESIGNED BY: MORRISON MAIERLE 03/2026	PROJECT NAME: 1ST AVE SOUTH - BILLINGS	SIGNING PLAN	SHEET NO. S13
SIGNING PLANS	REVIEWED BY:	COUNTY: YELLOWSTONE		
	CHECKED BY:	PROJECT ID: NH 114-1(3)0		
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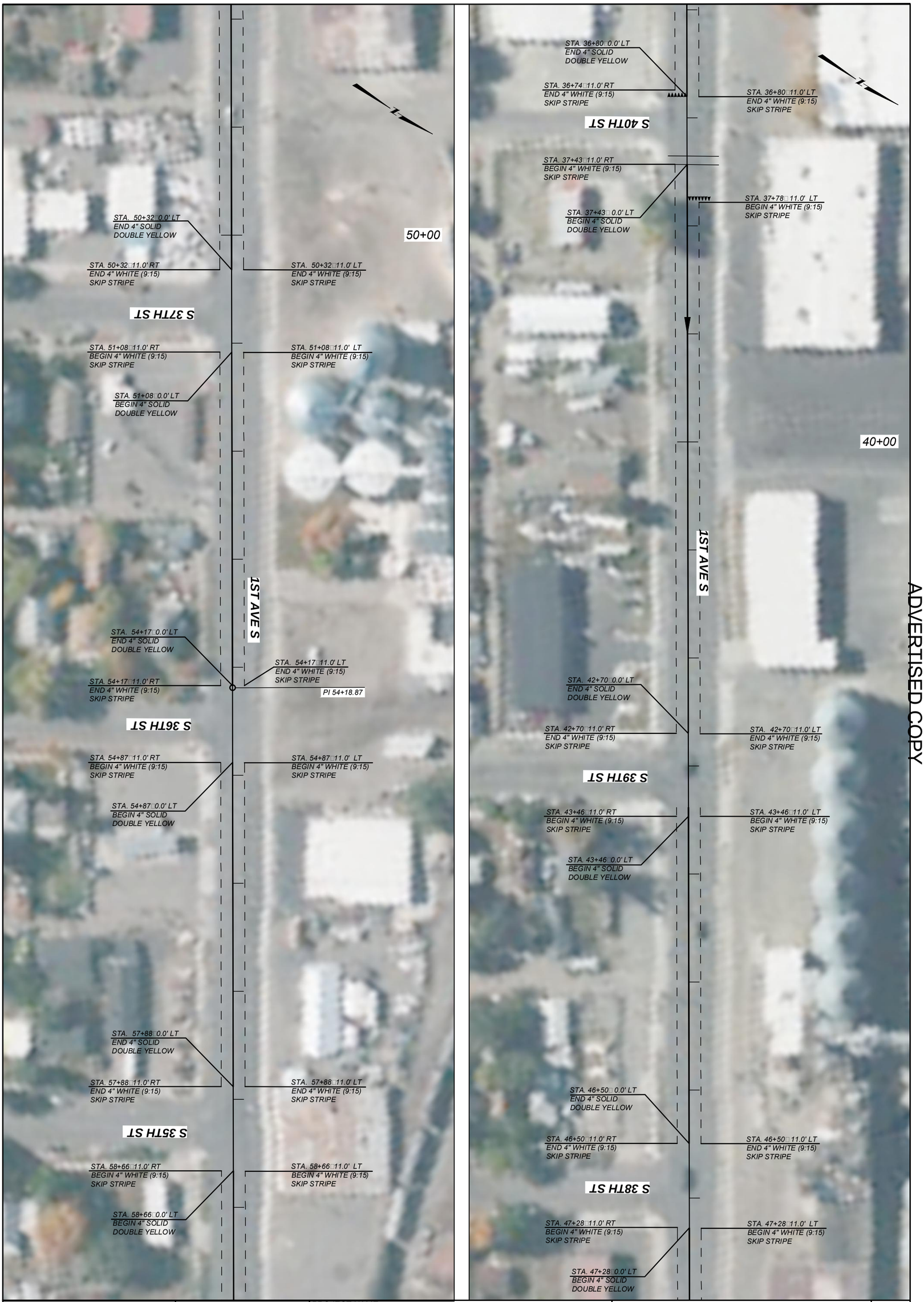




ADVERTISED COPY

MONTANA Department of Transportation	DESIGNED BY: MORRISON MAIERLE 03/2026	PROJECT NAME: 1ST AVE SOUTH - BILLINGS	STRIPING PLAN	SHEET NO. S14
SIGNING PLANS	REVIEWED BY:	COUNTY: YELLOWSTONE		
7/29/2026 11:10 AM 10692000SIPLNZ02.DWG	CHECKED BY:	PROJECT ID: NH 114-1(3)0		
		UPN: 10692000		

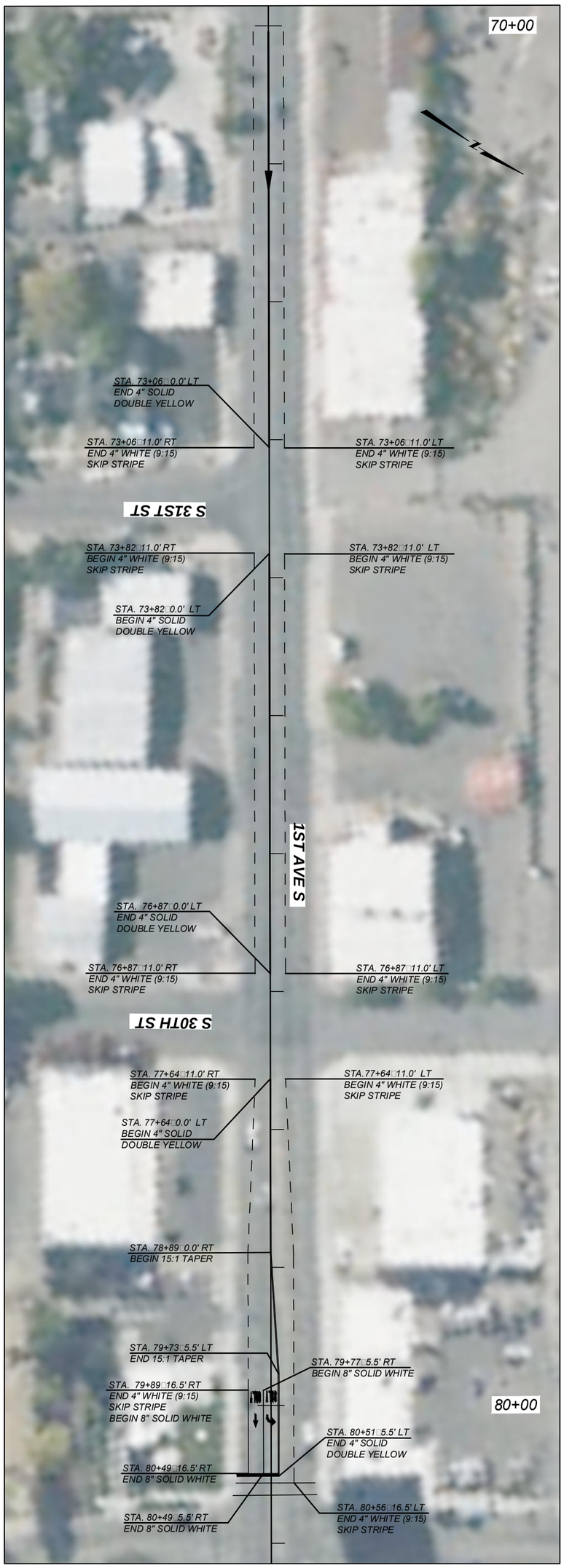
Morrison Maierle

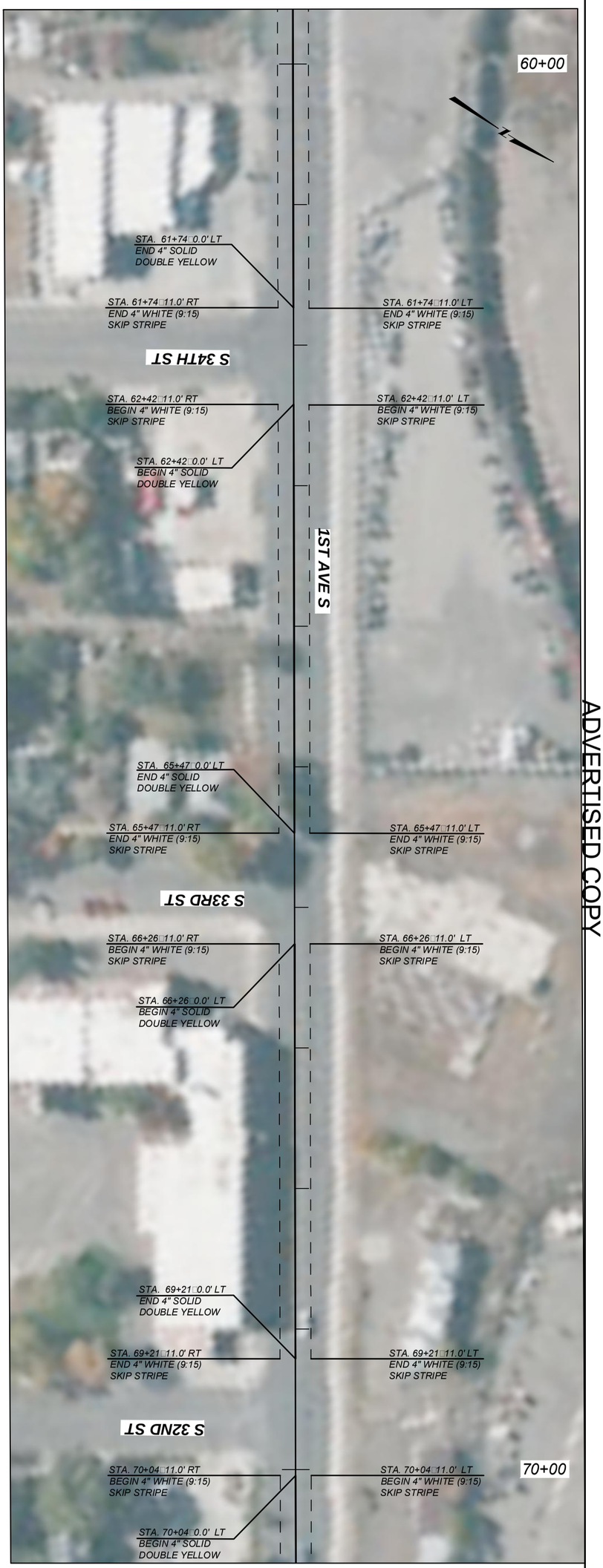


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MONTANA Department of Transportation	DESIGNED BY: MORRISON MAIERLE 03/2026	PROJECT NAME: 1ST AVE SOUTH - BILLINGS	STRIPING PLAN
SIGNING PLANS	REVIEWED BY: [redacted] [redacted]	COUNTY: YELLOWSTONE	SHEET NO. S15
7/29/2026 11:10 AM 10692000SIPLNZ02.DWG	CHECKED BY: [redacted] [redacted]	PROJECT ID: NH 114-1(3)0	
		UPN: 10692000	

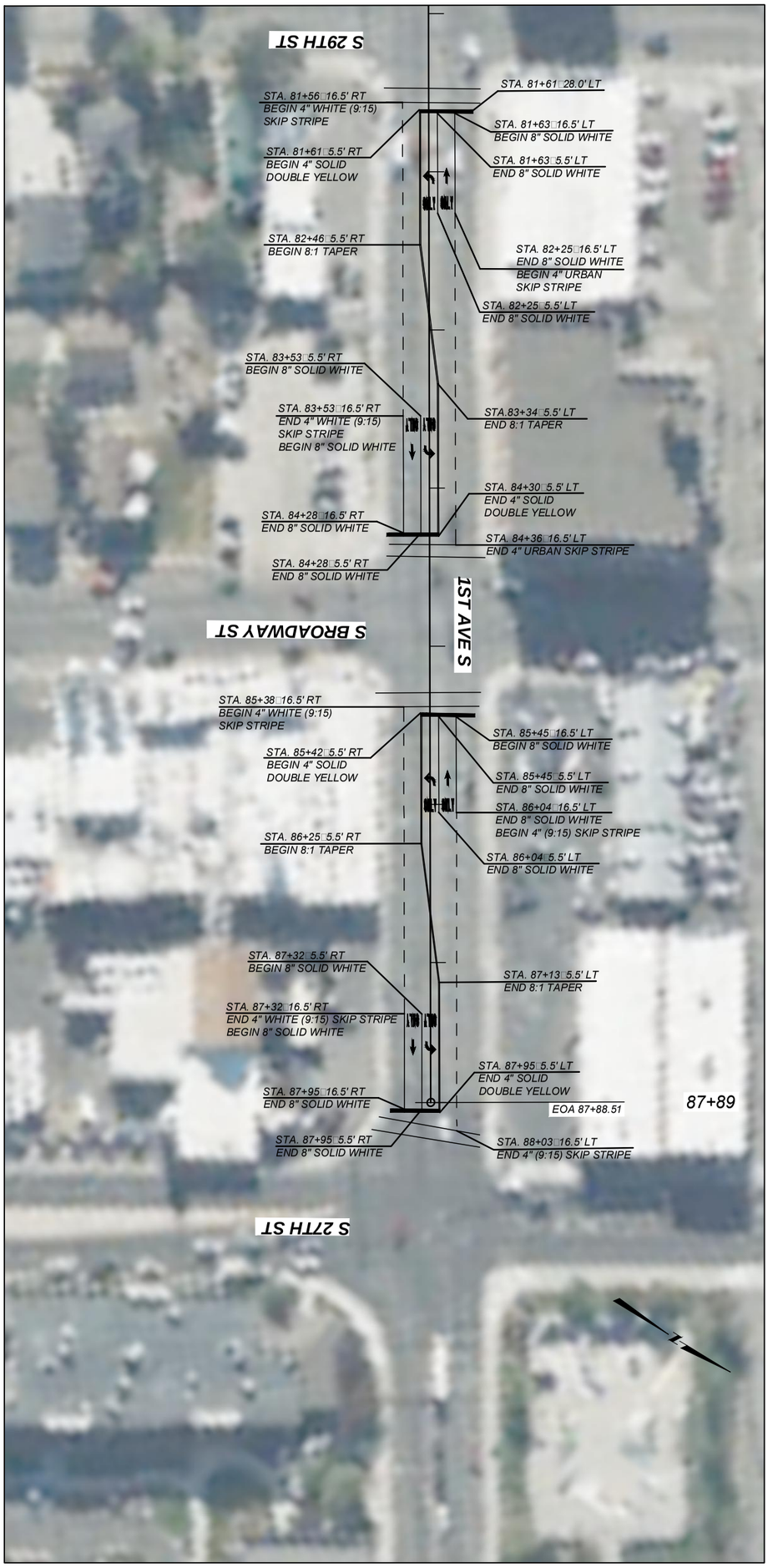
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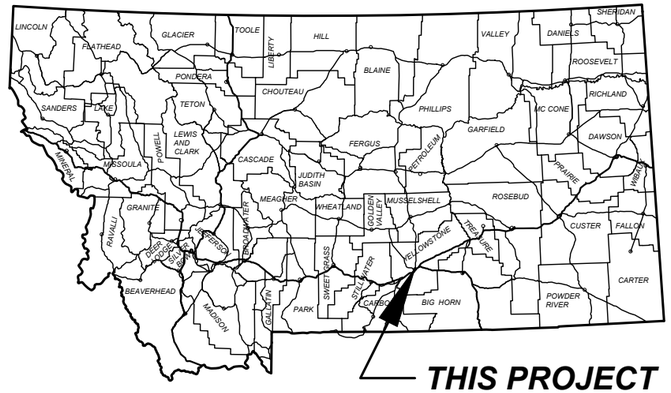
MONTANA Department of Transportation	DESIGNED BY: MORRISON MAIERLE 03/2026	PROJECT NAME: 1ST AVE SOUTH - BILLINGS	STRIPING PLAN	SHEET NO. S16
SIGNING PLANS	REVIEWED BY: [redacted]	COUNTY: YELLOWSTONE		
	CHECKED BY: [redacted]	PROJECT ID: NH 114-1(3)0		
7/29/2026 11:10 AM	10692000SIPLNZ02.DWG	UPN: 10692000		



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MONTANA Department of Transportation	DESIGNED BY: MORRISON MAIERLE 03/2026	PROJECT NAME: 1ST AVE SOUTH - BILLINGS	STRIPING PLAN	SHEET NO. S17
SIGNING PLANS	REVIEWED BY:	COUNTY: YELLOWSTONE		
	CHECKED BY:	PROJECT ID: NH 114-1(3)0		
7/29/2026 11:10 AM	10692000SIPLNZ02.DWG	UPN: 10692000		

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MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT UPP 1024(5)
STATE AVENUE - BILLINGS
SEAL AND COVER
YELLOWSTONE COUNTY

LENGTH 1.5 MILES

PROJECT DESIGN DATA RP 0.0 to RP 0.401			
PRESENT	2025	A.A.D.T. =	7520
LETTING	2027	A.A.D.T. =	7680
DESIGN	2047	A.A.D.T. =	9370
		D.H.V. =	930
		TRUCKS =	2.9%
		V. =	35MPH
		18 KIP ESAL'S =	106
		ANNUAL GROWTH RATE =	1.0%

PROJECT DESIGN DATA RP 0.401 to RP 1.53			
PRESENT	2025	A.A.D.T. =	5640
LETTING	2027	A.A.D.T. =	5750
DESIGN	2047	A.A.D.T. =	7010
		D.H.V. =	720
		TRUCKS =	4.4%
		V. =	35MPH
		18 KIP ESAL'S =	158
		ANNUAL GROWTH RATE =	1.0%

RELATED PROJECTS
NH 114-1(4)0
NH 113-1(9)0

SURFACING SOURCES - CONTRACTOR FURNISHED

R26E

T1S



STA. 16+22.26 ON STPU 1024(3) = STA. 16+22.26 BEGIN UPP 1024(5)

STA. 94+62.30 END UPP 1024(5) = STA. 94+62.30 ON STPU 1024(3)

RP 0.00 TO RP 1.53

THIS CONTRACT

SHEET NO.
01

TITLE SHEET

PROJECT NAME	STATE AVENUE - BILLINGS
COUNTY	YELLOWSTONE
PROJECT ID	UPP 1024(5)
UPN	107040000

DESIGNED BY	07/2026
G FRAZIER	
REVIEWED BY	07/2026
C HOPKINS	
CHECKED BY	07/2026
J. SOLIDAY	

MONTANA Department of Transportation

ROAD PLANS

1/12/2026 8:03 AM

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ROAD PLANS

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TYPICAL SECTIONS	4
SUMMARIES	5-6
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ADDITIONAL SURFACING	5
PAVEMENT MARKINGS	6
CRACK SEALING	6
DETAILS	7-9
STATE AVENUE DETAIL	7-9

SIGNING PLANS

SUMMARY	S1
SPECIFICATIONS	S2-S15
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PLANS	S17-S22

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)
EMULSIFIED ASPHALT SEAL	= 0.42 GAL. PER SQ.YARD
COVER	= 25 LBS. PER SQ.YARD
CRACK SEAL	= 1.5 LBS. PER LINEAR FOOT

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.

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.

AS-BUILTS

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

STPU 1024(3) - BUILT 10/28/1996

SHEET NO.
02

TABLE OF CONTENTS & NOTES

MONTANA
Department of Transportation

ROAD PLANS

DESIGNED BY	G FRAZIER	07/2026
REVIEWED BY	C HOPKINS	07/2026
CHECKED BY	J. SOLIDAY	07/2026

PROJECT NAME: STATE AVENUE - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: UPP 1024(5)
UPN: 107040000

4/6/2026 10:56 AM
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ADVERTISED COPY

NOTES

*APPROACHES (FOR INFORMATION ONLY)

STATION	TYPE	linear feet				EXISTING SURFACING	PROPOSED SURFACE	sq. yards	tons	gallons	REMARKS
		WIDTH	RADIUS #		LENGTH			COVER TYPE 1	EMULS. ASPHALT CHFRS-2P	EMULS. ASPHALT FOG SEAL	
			LEFT	RIGHT							
16+86	PRIVATE	35			5.0	CONCRETE					VFW PARKING APP RT 1
17+91	PRIVATE	25			5.0	CONCRETE					VFW PARKING APP RT 2
18+74	PRIVATE	65			5.0	CONCRETE					REPUBLIC APP RT
19+42	PRIVATE	30			5.0	CONCRETE					WOODCO APP RT 1
19+93	PRIVATE	60			5.0	CONCRETE					PRIVATE APP LT
20+69	PRIVATE	40			5.0	CONCRETE					WOODCO APP RT 2
23+17	PUBLIC	50	25	25	25.0	PMS	SEAL & COVER	131	0.2	10	HALLOWELL LANE RT
23+22	PUBLIC	45	20	25	25.0	PMS	SEAL & COVER	120	0.2	9	SECOND AVE S LT
24+20	PRIVATE	25			5.0	CONCRETE					FAMILY DOLLAR APP RT
26+17	PUBLIC	35			5.0	CONCRETE					ALLEY APP LT
26+18	PRIVATE	35			5.0	CONCRETE					ACE APP RT 1
27+36	PRIVATE	35			5.0	CONCRETE					ACE APP RT 2
29+84	PUBLIC	45	25	25	20.0	PMS	SEAL & COVER	122	0.2	9	3RD AVE S LT
29+84	PUBLIC	35	25	25	25.0	PMS	SEAL & COVER	89	0.2	7	VAN BUREN ST RT
31+54	PRIVATE	20			5.0	CONCRETE					PRIVATE APP RT
31+65	PRIVATE	30			5.0	CONCRETE					PRIVATE APP RT
32+22	PRIVATE	15			5.0	CONCRETE					PRIVATE APP RT
32+90	PUBLIC	25			5.0	CONCRETE					ALLEY APP LT
33+12	PRIVATE	35			5.0	CONCRETE					PRIVATE APP RT
34+22	PRIVATE	20			5.0	CONCRETE					PRIVATE APP RT
35+29	PRIVATE	35			5.0	CONCRETE					PRIVATE APP RT
36+44	PUBLIC	50	25	25	25.0	PMS	SEAL & COVER	133	0.2	10	4TH AVE S LT
36+44	PUBLIC	50	25	25	25.0	PMS	SEAL & COVER	137	0.2	10	JACKSON ST RT
38+06	PUBLIC	20			5.0	CONCRETE					ALLEY APP RT
38+67	PRIVATE	30			5.0	CONCRETE					PRIVATE APP RT
39+72	PUBLIC	35	25	25	25.0	PMS	SEAL & COVER	85	0.2	6	MONROE ST RT
40+37	PUBLIC	35			5.0	CONCRETE					PRIVATE APP RT
41+37	PRIVATE	20			5.0	CONCRETE					PRIVATE APP RT
42+17	PUBLIC	20			5.0	CONCRETE					ALLEY APP LT
42+93	PUBLIC	35	25	25	25.0	PMS	SEAL & COVER	176	0.3	13	JEFFERSON ST RT
43+02	PUBLIC	45	25	25	20.0	PMS	SEAL & COVER	173	0.3	13	5TH AVE S LT
44+60	PUBLIC	20			5.0	CONCRETE					ALLEY APP RT
45+47	PRIVATE	20			5.0	CONCRETE					PRIVATE APP RT
46+34	PUBLIC	35	25	25	25.0	PMS	SEAL & COVER	85	0.2	6	ADAMS ST RT
46+90	PUBLIC	25			5.0	CONCRETE					ALLEY APP LT
47+99	PUBLIC	20			5.0	CONCRETE					ALLEY APP RT
49+67	PUBLIC	45	25	25	25.0	PMS	SEAL & COVER	88	0.2	7	WASHINGTON ST RT
51+53	PUBLIC	20			5.0	CONCRETE					ALLEY APP LT
53+64	PUBLIC	50	25	25	25.0	PMS	SEAL & COVER	119	0.2	9	S 36TH ST LT
56+02	PUBLIC	25			5.0	CONCRETE					ALLEY APP LT
58+30	PUBLIC	45	25	25	25.0	PMS	SEAL & COVER	118	0.2	9	S 35TH ST LT
60+75	PUBLIC	20			5.0	CONCRETE					ALLEY APP LT
62+98	PUBLIC	45	25	25	25.0	PMS	SEAL & COVER	124	0.2	9	S 34TH ST LT
63+03	PUBLIC	45	25	25	25.0	PMS	SEAL & COVER	139	0.2	10	RIVERSIDE RD RT
63+77	PRIVATE	50			5.0	CONCRETE					PRIVATE APP RT
65+48	PUBLIC	20			5.0	CONCRETE					ALLEY APP LT
67+55	PUBLIC	50	25	25	25.0	PMS	SEAL & COVER	123	0.2	9	S 33RD ST LT
69+02	PUBLIC	20			5.0	CONCRETE					ALLEY APP LT
69+76	PUBLIC	50	25	25	25.0	PMS	SEAL & COVER	119	0.2	9	9TH AVE S LT
71+26	PUBLIC	45			5.0	CONCRETE					PRIVATE APP LT
72+18	PUBLIC	45	25	25	25.0	PMS	SEAL & COVER	124	0.2	9	S 32ND ST LT
74+69	PUBLIC	25			5.0	CONCRETE					ALLEY APP LT
76+53	PRIVATE	70			5.0	CONCRETE					PRIVATE APP RT
76+81	PUBLIC	45	25	25	25.0	PMS	SEAL & COVER	121	0.2	9	S 31ST ST LT
78+78	PRIVATE	30			5.0	CONCRETE					PRIVATE APP RT
81+41	PUBLIC	50	25	25	25.0	PMS	SEAL & COVER	117	0.2	9	S 30TH ST LT
82+96	PUBLIC	45	25	25	25.0	PMS	SEAL & COVER	115	0.2	9	11TH AVE S LT
82+97	PRIVATE	20			5.0	CONCRETE					PRIVATE APP RT
85+96	PRIVATE	20			5.0	CONCRETE					PRIVATE APP RT
86+03	PUBLIC	45	25	25	25.0	PMS	SEAL & COVER	121	0.2	9	S 29TH ST LT
89+31	PUBLIC	45	40	20	25.0	PMS	SEAL & COVER	138	0.2	10	12TH AVE S LT
89+37	PUBLIC	45	25	25	25.0	PMS	SEAL & COVER	172	0.3	13	SUGAR AVE RT
91+75	PRIVATE	35			5.0	CONCRETE					LUCKY CUSS APP 1 LT
92+40	PRIVATE	35			5.0	CONCRETE					LUCKY CUSS APP 2 LT
93+39	PRIVATE	35			5.0	CONCRETE					KOBOLD AUTO SALES APP RT
93+41	PRIVATE	40			5.0	CONCRETE					CONOCO APP LT
TOTAL								**2,989**	**5.1**	**223**	

ALL RADII MEASURED TO FRONT OF GUTTER OR EDGE OF SHOULDER
* - MEASURED ON CAD

SHEET NO.
03

APPROACH TABLE NOTES

PROJECT NAME STATE AVENUE - BILLINGS
COUNTY YELLOWSTONE
PROJECT ID UPP 1024(5)
UPN 10704000

DESIGNED BY	REVIEWED BY	CHECKED BY
G FRAZIER 07/2026	C HOPKINS 07/2026	J. SOLIDAY 07/2026

10704000RDSUM001.DWG

MONTANA Department of Transportation

ROAD PLANS

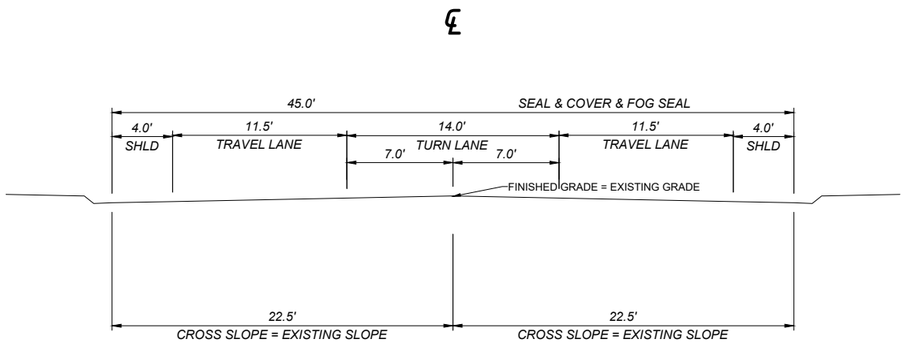
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TYPICAL SECTION NO. 1

STATE AVENUE

16+22.26	TO	19+37.51	BEGIN PROJECT AREA*
19+37.51	TO	94+62.30	TYP. NO. 1
94+62.30			END PROJECT



* BEGIN PROJECT AREA IS MEASURED ON CAD

QUANTITIES				
UNIT	AGGREGATE COVER	UNIT	BITUMINOUS MATERIAL: EMULSIFIED ASPHALT SEAL	BITUMINOUS MATERIAL: EMULSIFIED ASPHALT FOG SEAL
AREA square feet		square yards PER STATION	500	500
cubic yards PER STATION		tons PER STATION	0.89	
tons PER STATION		gals. PER STATION		38
square yards PER STATION	500			

SHEET NO. 04

TYPICAL SECTION

MONTANA Department of Transportation

ROAD PLANS

PROJECT NAME	STATE AVENUE - BILLINGS
COUNTY	YELLOWSTONE
PROJECT ID	UPP 1024(5)
UPN	10704000

DESIGNED BY		REVIEWED BY		CHECKED BY	
G FRAZIER	07/2026	C HOPKINS	07/2026	J. SOLIDAY	07/2026

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SURFACING

STATION FROM	STATION TO	linear feet GROSS	linear feet NET	linear feet +	linear feet -	FOR	AGGREGATE sq. yards COVER TYPE 1	BITUMINOUS MATERIAL tons EMULSIFIED ASPHALT CHFRS-2P	BITUMINOUS MATERIAL gals EMULSIFIED ASPHALT FOG SEAL	REMARKS
16+22.26	19+37.51	315.25	315.25			CHIP SEAL CONNECTION	1,576	2.8	118	
19+37.51	94+62.30	7,524.79	7,524.79				37,624	67.2	2,822	TYP. NO. 1
						ADDITIONAL SURFACING	2,989	5.1	223	
TOTAL		**7,840.04**	**7,840.04**	~	~		**42,189**	**75.1**	**3,163**	

ADDITIONAL SURFACING (INCLUDED IN SURFACING FRAME)

STATION FROM	STATION TO	linear feet GROSS	linear feet NET	linear feet +	linear feet -	FOR	AGGREGATE sq. yards COVER TYPE 1	BITUMINOUS MATERIAL tons EMULSIFIED ASPHALT CHFRS-2P	BITUMINOUS MATERIAL gals EMULSIFIED ASPHALT FOG SEAL	REMARKS
						PUBLIC APPROACHES	2,989	5.1	223	
SUBTOTAL		~	~	~	~		**2,989**	**5.1**	**223**	

SHEET NO. 05

SUMMARY SHEET

PROJECT NAME: **STATE AVENUE - BILLINGS**
COUNTY: **YELLOWSTONE**
PROJECT ID: **UPP 1024(5)**
UPN: **10704000**

DESIGNED BY		REVIEWED BY		CHECKED BY	
G FRAZIER	07/2026	C HOPKINS	07/2026	J. SOLIDAY	07/2026

MONTANA Department of Transportation

ROAD PLANS

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CRACK SEALING *

STATION		TRANSVERSE & LONGITUDINAL CRACK SEALING		REMARKS
		CRACK SEALING		
		NEW	NEW	
FROM	TO	pounds	linear feet	
16+22.24	94+62.30	30,164	20,110	
TOTAL		30,164	# 20,110	

FOR INFORMATION ONLY

PAVEMENT MARKINGS

ITEM	UNIT	INTERIM APPLICATION #	FINAL APPLICATION	TOTAL
STRIPING - WHITE PAINT	gallon	55		55
STRIPING - YELLOW PAINT	gallon	47		47
WORDS & SYMBOLS - WHITE PAINT	gallon	25		25
WORDS & SYMBOLS - YELLOW PAINT	gallon	13		13
STRIPING - WHITE EPOXY	gallon		73	73
STRIPING - YELLOW EPOXY	gallon		63	63
WORDS & SYMBOLS - WHITE EPOXY	gallon		32	32
WORDS & SYMBOLS - YELLOW EPOXY	gallon		17	17
YELLOW CURB EPOXY	gallon		29	29
REMOVE PAVEMENT MARKINGS	linear feet			2,732

BASED ON 1 APPLICATIONS. ESTIMATED QUANITITES

SHEET NO.
06

SUMMARY SHEET

PROJECT NAME STATE AVENUE - BILLINGS
COUNTY YELLOWSTONE
PROJECT ID UPP 1024(5)
UPN 10704000

DESIGNED BY G FRAZIER 07/2026
REVIEWED BY C HOPKINS 07/2026
CHECKED BY J. SOLIDAY 07/2026

MONTANA Department of Transportation
ROAD PLANS

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SHEET NO.
07

STATE AVENUE DETAIL

PROJECT NAME: STATE AVENUE - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: UPP 1024(5)
UPN: 10704000

DESIGNED BY	07/2026
G. FRAZIER	
REVIEWED BY	07/2026
C. HOPKINS	
CHECKED BY	07/2026
J. SOLIDAY	

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MONTANA
Department of Transportation

ROAD PLANS

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SHEET NO.
08

STATE AVENUE DETAIL

PROJECT NAME: STATE AVENUE - BILLINGS

COUNTY: YELLOWSTONE

PROJECT ID: UPP 1024(5)

UPN: 10704000

DESIGNED BY		REVIEWED BY		CHECKED BY	
G.FRAZIER	07/2026	C.HOPKINS	07/2026	J. SOLIDAY	07/2026

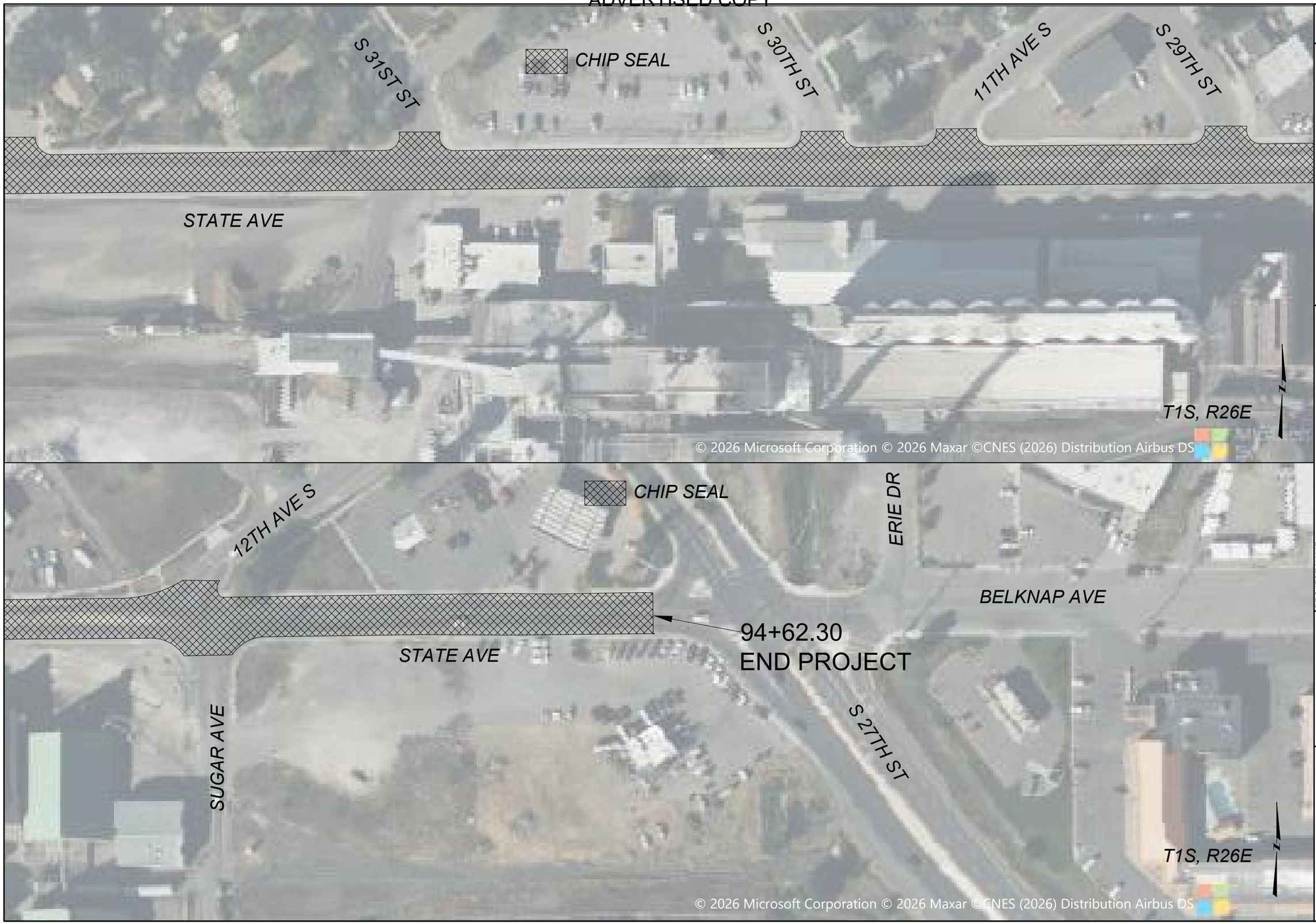
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MONTANA
Department of Transportation

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SHEET NO.
09

STATE AVENUE DETAIL

PROJECT NAME: STATE AVENUE - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: UPP 1024(5)
UPN: 10704000

DESIGNED BY	G.FRAZIER	07/2026
REVIEWED BY	C.HOPKINS	07/2026
CHECKED BY	J. HOLIDAY	07/2026

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MONTANA
Department of Transportation

ROAD PLANS

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NOTES AND ABBREVIATIONS:

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

SEE LOCATION AND SPECIFICATION SHEETS FOR PORTIONS OF PROJECT NOT INCLUDED WITHIN SIGNING PLAN SHEETS.

SIGN POSTS SYMBOLS SHOWN ARE FOR REFERENCE ONLY TO SHOW EXISTING SIGNS THAT REQUIRE NO ACTION.

SIGNING AND PAVEMENT MARKING LOCATIONS ARE APPROXIMATE. PROJECT MANAGER TO FIELD ADJUST AS NECESSARY.

ADOPT A HIGHWAY: IF SIGNS N7-1/N7-1P EXIST, CONTRACTOR WILL CONFIRM THAT THE GROUP NAME ON THE SIGN(S) EXISTING AT THE TIME OF CONSTRUCTION CORRESPONDS TO THE GROUP NAME ON THE SIGN(S) SHOWN IN PLANS. IF NAME IS DIFFERENT, PROJECT MANAGER WILL CONTACT TRAFFIC & SAFETY BUREAU SIGNING SECTION WITH THE CORRECT NAME AND A NEW SIGN DESIGN WILL BE PROVIDED.

BBR = BACKBRACING REQUIRED:
- FOR WOOD POLE SEE DET. DWG 619-22
- FOR STEEL POST 2" X 2" X 1/4" REQUIRED. SEE DET. DWG 619-16
- FOR STRUCTURAL STEEL POST 2 3/4" X 2 3/8" EXTRUDED "T" SECTION BACKBRACE REQUIRED. SEE DET. DWG 619-19
- FOR CANTILEVER POST, SEE DET. DWG 619-18
- FOR GUIDE SIGN PANELS, USE EXTRUDED "T" SECTION BACKBRACE. SEE DET. DWG 619-04

USE HARDWARE MEETING REQUIREMENTS OF SECTION 704

RSFO = REPLACE SIGN FACE ONLY

FY = FLUORESCENT YELLOW SHEETING REQUIRED

FYG = FLUORESCENT YELLOW-GREEN SHEETING REQUIRED

1 AIR = 1 OR 2 ANGLE IRONS REQUIRED
2 AIR = 2 1/2" x 2 1/2" x 3/8" x 6'-4" (37 lbs.EACH)
IF Y POST DOES NOT REACH TOP 6" OF PANEL, 2 ANGLE IRONS REQUIRED.

MBB = MOUNT BACK TO BACK

CAM = CHEVRON ANGLE MOUNT (SEE DET. DWG 619-24)

CBR = CONCRETE BARRIER RAIL

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

= SINGLE SQUARE TUBE REQUIRED. MOUNTED IN HEAVY DUTY STUB.

« = TELESCOPED SQUARE TUBES (2-1/4" & 2-1/2") WITH SLIP BASE BREAKAWAY REQUIRED. MOUNTED IN HEAVY DUTY STUB.

= FRANGIBLE SIGN POST. BREAKAWAY DEVICE REQUIRED.

BGR = BEHIND GUARDRAIL

SUMMARY
SIGNING & DELINEATION QUANTITIES

MATERIAL	TOTAL	UNIT
SIGNS-ALUM REFL SHEET XI	909.8	SQFT
REMOVE SIGN	102	EACH
POSTS-TUBULAR STEEL-SQ-PERF	3,942	LB

SHEET NO.
S1

SIGNING SUMMARY

PROJECT NAME: STATE AVE - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: UPP 1024(5)
UPN: 10704000

DESIGNED BY: MORRISON MAIERLE 03/2026
REVIEWED BY: #### ####
CHECKED BY: #### ####

MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS											SIGN ASSEMBLY QUANTITIES														ADDITIONAL INFORMATION	
								FEET		FEET									PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
0.033	L	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5" Tubular Stl-Square		7.0	3.0	9.5				▲		5.0						53				1				1st Ave S	
0.066	R	USE AS IS	R7-1																														NO PARKING ANY TIME	
0.096	R	USE AS IS	R2-1																														SPEED LIMIT 35	
			R7-1																														NO PARKING ANY TIME	
0.104	L	USE AS IS	R7-1																														NO PARKING ANY TIME	
0.136	R	USE AS IS	R7-1																														NO PARKING ANY TIME	
0.138	L	REPLACE	OHD3	90 X 48					Overhead Str Cantilever										30.0										1				← Hallowell Ln 2nd Ave S →	
0.150	R	REPLACE	OHD3	54 X 24					Overhead Str Cantilever										9.0										1				State Ave	
0.154	L	REPLACE	OHD3	54 X 24					Overhead Str Cantilever										9.0										1				State Ave	
0.165	R	REPLACE	OHD3	90 X 48					Overhead Str Cantilever										30.0										1				← 2nd Ave S Hallowell Ln →	
0.169	L	USE AS IS	R7-1																														NO PARKING ANY TIME	
0.179	L	REPLACE	W10-3R	30 X 30	FY			5.0	2.5" Tubular Stl-Square		7.0	3.0	12.0				▲		6.3						61				1					
		REMOVE SIGN	W10-3RP																										1					
0.189	L	REPLACE	R3-9dP	24 X 12				5.0	2.5" Tubular Stl-Square		8.0	3.0	13.5			X	▲		2.0						66				1				END	
			R3-9b	24 X 36															6.0														CENTER LANE ONLY	

SHEET NO.
S2

SIGNING SUMMARY

PROJECT NAME: STATE AVE - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: UPP 1024(5)
UPN: 10704000

DESIGNED BY: MORRISON MAIERLE 03/2026
REVIEWED BY: #### ####
CHECKED BY: #### ####

MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES														ADDITIONAL INFORMATION	
								FEET										PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
0.190	R	REPLACE	R3-9cP	24 X 12				5.0	2.5" Tubular Stl-Square		8.0	3.0	13.5			X	▲		2.0						66				1				BEGIN	
			R3-9b	24 X 36															6.0														CENTER LANE ONLY	
0.209	L	USE AS IS	R7-1																														NO PARKING ANY TIME	
0.244	L	USE AS IS	R7-1																														NO PARKING ANY TIME	
0.249	L	USE AS IS	R7-1																														NO PARKING ANY TIME	
0.269	L	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5" Tubular Stl-Square		7.0	3.0	12.1				▲		5.0						61				1				State Ave	
			R1-1	30 X 30															5.2														STOP	
0.279	R	REPLACE	D3-2	48 X 30		BBR			Light Pole		7.0								10.0										1				3rd Ave S Van Buren St	
0.284	L	REPLACE	D3-2	48 X 30		BBR			Light Pole		7.0								10.0										1				Van Buren St 3rd Ave S	
0.284	R	REPLACE	D3-1 (2x)	30 X 12			MBB		2.5" Tubular Stl-Square		7.0	3.0	12.1				▲		5.0						61				1				State Ave	
			R1-1	30 X 30															5.2														STOP	
0.309	L	REPLACE	W10-3R	30 X 30	FY			5.0	2.5" Tubular Stl-Square		7.0	3.0	12.0				▲		6.3						61				1					
		REMOVE SIGN	W10-3RP																										1					
0.308	R	USE AS IS	R7-1																														NO PARKING ANY TIME	
0.319	L	USE AS IS	R7-1																														NO PARKING ANY TIME	

SHEET NO. S3

SIGNING SUMMARY

PROJECT NAME: STATE AVE - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: UPP 1024(5)
UPN: 10704000

DESIGNED BY: MORRISON MAIERLE 03/2026
REVIEWED BY: #### ####
CHECKED BY: #### ####

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MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
								FEET		FEET								PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
0.328	R	REPLACE	R3-9b	24 X 36				5.0	2.5" Tubular Stl-Square		8.0	3.0	12.5			X	▲		6.0						63				1					
0.349	L	REPLACE	R3-9b	24 X 36				5.0	2.5" Tubular Stl-Square		8.0	3.0	12.5			X	▲		6.0						63				1					
0.343	R	USE AS IS	R7-1																														
0.354	L	USE AS IS	R7-1																														
0.353	R	REPLACE	S1-1	36 X 36	FYG			5.0	2.5" Tubular Stl-Square		8.0	3.0	13.3			X	▲		6.8						65				1					
			W16-9P	24 X 9	FYG														1.5														
0.373	R	REPLACE	W10-3L	30 X 30	FY			5.0	2.5" Tubular Stl-Square		7.0	3.0	12.0				▲		6.3						61				1					
		REMOVE SIGN	W10-3LP																										1					
0.380	R	USE AS IS	R4-7																														
0.383	R	USE AS IS	R7-1																														
0.389	R	RSFO	R4-7	12 X 18							7.0								1.5														
0.397	L	REPLACE	OHD3	78 X 48					Overhead Str Cantilever										26.0										1					
0.400	R	REPLACE	OHD3	54 X 24					Overhead Str Cantilever										9.0										1					
0.404	L	REPLACE	OHD3	54 X 24					Overhead Str Cantilever										9.0										1					
0.410	R	USE AS IS	R3-2																														
0.410	R	REPLACE	OHD3	78 X 48				5.0	Overhead Str Cantilever										26.0										1					
0.424	L	USE AS IS	R7-1																														

SHEET NO.
S4

SIGNING SUMMARY

PROJECT NAME: STATE AVE - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: UPP 1024(5)
UPN: 10704000

DESIGNED BY: MORRISON MAIERLE 03/2026
REVIEWED BY: #### ####
CHECKED BY: #### ####

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MONTANA Department of Transportation

SIGNING PLANS

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Morrison Maierle

SIGN LOCATION / PANEL SPECIFICATIONS / SIGN ASSEMBLY SPECIFICATIONS / SIGN ASSEMBLY QUANTITIES / ADDITIONAL INFORMATION

STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN) FEET	TYPE OF SUPPORT	SUPPORT SPACING FEET	MOUNTING HEIGHT FEET	FOUNDATION DEPTH FEET	SUPPORT LENGTH (ESTIMATED) FEET X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM PANEL (SQ. FT.)	SHEET ALUMINUM INCREMENT PANEL (SQ. FT.)	4" TOP DIA. WOOD POLE (LNR. FT.)	5" TOP DIA. WOOD POLE (LNR. FT.)	6" TOP DIA. WOOD POLE (LNR. FT.)	ROUND TUBULAR STEEL POST (LBS.)	SQUARE TUBULAR STEEL POST (LBS.)	STRUCTURAL STEEL STEEL POST (LBS.)	"U" POST STEEL POST (LBS.)	# OF BREAKAWAYS	REMOVE SIGN	REMOVE GUIDE	RESET SIGN	RESET GUIDE	SIGN IMAGE	REMARKS
0.434	L	REPLACE	W10-3R	30 X 30	FY			5.0	2.5" Tubular Stl-Square		7.0	3.0	12.0				▲		6.3						61			1					
		REMOVE SIGN	W10-3RP																									1					
0.448	L	REPLACE	S1-1	36 X 36	FYG			5.0	2.5" Tubular Stl-Square		8.0	3.0	13.3			X	▲		6.8						65			1					
			W16-9P	24 X 9	FYG														1.5														
0.451	R	REPLACE	R3-9b	24 X 36				5.0	2.5" Tubular Stl-Square		8.0	3.0	12.5			X	▲		6.0						63			1					
0.457	R	USE AS IS	R7-1																														
0.458	L	REPLACE	W1-7	24 X 12				5.0	2.5" Tubular Stl-Square		7.0	3.0	9.5				▲		2.0						53			1					
0.469	L	USE AS IS	R7-1																														
0.472	R	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		5.0						65			1					
			D3-1 (2x)	30 X 12			MBB												5.0														
			R1-1	30 X 30															5.2														
0.491	R	REPLACE	W10-3L	30 X 30	FY			5.0	2.5" Tubular Stl-Square		7.0	3.0	12.0				▲		6.3						61			1					
		REMOVE SIGN	W10-3LP																									1					
0.504	L	REPLACE	R3-9b	24 X 36				5.0	2.5" Tubular Stl-Square		8.0	3.0	12.5			X	▲		6.0						63			1					
0.510	L	USE AS IS	R7-1																														
0.526	R	REPLACE	D3-2	48 X 30		BBR		5.0	2.5" Tubular Stl-Square		8.0	3.0	12.0				▲		10.0						61			1					
0.529	L	REPLACE	D3-2	48 X 30		BBR		5.0	2.5" Tubular Stl-Square		8.0	3.0	12.0				▲		10.0						61			1					

SHEET NO. S5

SIGNING SUMMARY

PROJECT NAME: STATE AVE - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: UPP 1024(5)
UPN: 10704000

DESIGNED BY: MORRISON MAIERLE 03/2026
REVIEWED BY: ##### ####
CHECKED BY: ##### ####

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MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES												ADDITIONAL INFORMATION	
								FEET				FEET						PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
0.530	R	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5" Tubular Stl-Square		7.0	3.0	12.2				▲		5.0						62			1				State Ave	
			R1-1	30 X 30															5.2													STOP	
0.544	L	USE AS IS	R7-1																													NO PARKING ANY TIME	
0.550	R	REPLACE	R3-9b	24 X 36				5.0	2.5" Tubular Stl-Square		8.0	3.0	12.5			X	▲		6.0						63			1				CENTER LANE ONLY	
0.552	L	REPLACE	W10-3R	30 X 30	FY			5.0	2.5" Tubular Stl-Square		7.0	3.0	12.0				▲		6.3						61			1					
		REMOVE SIGN	W10-3RP																									1					
0.567	L	REPLACE	R3-9b	24 X 36				5.0	2.5" Tubular Stl-Square		8.0	3.0	12.5			X	▲		6.0						63			1				CENTER LANE ONLY	
0.578	L	USE AS IS	R2-1																													SPEED LIMIT 35	
			R7-1																													NO PARKING ANY TIME	
0.584	L	REPLACE	W1-7	24 X 12				5.0	2.0" Tubular Stl-Square		7.0	3.0	9.5				▲		2.0						42			1					
0.595	R	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		5.0						65			1				State Ave	
			D3-1 (2x)	30 X 12			MBB												5.0													Adams St	
			R1-1	30 X 30															5.2													STOP	
0.605	R	REPLACE	S1-1	36 X 36	FYG			5.0	2.5" Tubular Stl-Square		8.0	3.0	13.3			X	▲		6.8						65			1					
		NEW	W16-9P	24 X 9	FYG														1.5													AHEAD	
0.609	L	USE AS IS	R7-1																													NO PARKING ANY TIME	

SHEET NO. S6

SIGNING SUMMARY

PROJECT NAME: STATE AVE - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: UPP 1024(5)
UPN: 10704000

DESIGNED BY: MORRISON MAIERLE 03/2026
REVIEWED BY: ##### ####
CHECKED BY: ##### ####

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MONTANA Department of Transportation

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES														ADDITIONAL INFORMATION	
								FEET		FEET								PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X Y Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
0.615	R	REPLACE	W10-1	36 X 36	FY			5.0	2.5" Tubular Stl-Square		7.0	3.0	11.5			▲		7.1						60			1					
0.634	R	USE AS IS	R7-1																													
0.642	L	REPLACE	OHD3	72 X 24					Overhead Str Cantilever									12.0										1					
0.644	R	REPLACE	R15-1	24 X 24					Signal Pole		7.0							4.0										1					
		REMOVE SIGN	S1-1																									1					
0.650	L	REPLACE	R15-1	24 X 24					Signal Pole		7.0							4.0										1					
0.650	L	REPLACE	OHD3	54 X 24														9.0										1					
0.654	L	REPLACE	R9-3	18 X 18					Signal Pole		7.0							2.3										1					
			R9-3bP	18 X 12														1.5															
0.659	L	REMOVE SIGN	S1-1																									1					
0.660	R	REPLACE	OHD3	72 X 24					Overhead Str Cantilever									12.0										1					
0.674	L	USE AS IS	R7-1																														
0.694	L	REPLACE	W10-1	36 X 36	FY			5.0	2.5" Tubular Stl-Square		7.0	3.0	11.5			▲		7.1						60			1					
0.700	R	USE AS IS	R2-1																														
			R7-1																														

SHEET NO.
S7

SIGNING SUMMARY

PROJECT NAME: STATE AVE - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: UPP 1024(5)
UPN: 10704000

DESIGNED BY: MORRISON MAIERLE 03/2026
REVIEWED BY: ##### #####
CHECKED BY: ##### #####

MONTANA Department of Transportation

SIGNING PLANS

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SIGN LOCATION / PANEL SPECIFICATIONS / SIGN ASSEMBLY SPECIFICATIONS / SIGN ASSEMBLY QUANTITIES / ADDITIONAL INFORMATION

STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	FEET: CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	FEET: SUPPORT SPACING	FEET: MOUNTING HEIGHT	FEET: FOUNDATION DEPTH	FEET: SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	PANEL (SQ. FT.): SHEET ALUMINUM	PANEL (SQ. FT.): SHEET ALUMINUM INCREMENT	WOOD POLE (LNR. FT.): 4" TOP DIA.	WOOD POLE (LNR. FT.): 5" TOP DIA.	WOOD POLE (LNR. FT.): 6" TOP DIA.	STEEL POST (LBS.): ROUND TUBULAR	STEEL POST (LBS.): SQUARE TUBULAR	STEEL POST (LBS.): STRUCTURAL STEEL	STEEL POST (LBS.): "U" POST	# OF BREAKAWAYS	REMOVE: SIGN	REMOVE: GUIDE	RESET: SIGN	RESET: GUIDE	SIGN IMAGE	REMARKS
0.704	L	REPLACE	S1-1	36 X 36	FYG			5.0	2.5" Tubular Stl-Square		8.0	3.0	13.3			X	▲		6.8						65				1					
		NEW	W16-9P	24 X 9	FYG														1.5															
0.708	R	REPLACE	R3-9b	24 X 36				5.0	2.5" Tubular Stl-Square		8.0	3.0	12.5			X	▲		6.0						63				1					
0.719	L	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		5.0						65				1					
			D3-1 (2x)	30 X 12			MBB												5.0															
			R1-1	30 X 30															5.2															
0.728	R	REPLACE	W1-7	24 X 12				5.0	2.5" Tubular Stl-Square		7.0	3.0	9.5				▲		2.0						53				1					
0.738	R	USE AS IS	R7-1																															
0.749	L	USE AS IS	R7-1																															
0.759	L	REPLACE	R3-9b	24 X 36				5.0	2.5" Tubular Stl-Square		8.0	3.0	12.5			X	▲		6.0						63				1					
0.778	R	USE AS IS	R7-1																															
0.789	L	USE AS IS	R7-1																															
0.809	L	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		5.0						65				1					
			D3-1 (2x)	30 X 12			MBB												5.0															
			R1-1	30 X 30															5.2															
0.812	R	USE AS IS	R7-1																															
0.817	R	REPLACE	W1-7	24 X 12				5.0	2.5" Tubular Stl-Square		7.0	3.0	9.5				▲		2.0						53				1					
0.824	L	USE AS IS	R7-1																															

SHEET NO. S8

SIGNING SUMMARY

PROJECT NAME: STATE AVE - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: UPP 1024(5)
UPN: 10704000

DESIGNED BY: MORRISON MAIERLE 03/2026
REVIEWED BY: #### ####
CHECKED BY: #### ####

MONTANA Department of Transportation

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS									SIGN ASSEMBLY QUANTITIES														ADDITIONAL INFORMATION	
								FEET									PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
0.852	R	USE AS IS	R7-1																													
0.867	R	REPLACE	R3-9b	24 X 36				5.0	2.5" Tubular Stl-Square		8.0	3.0	12.5			X	▲		6.0					63				1				
0.886	R	USE AS IS	R7-1																													
0.889	L	REPLACE	R3-9b	24 X 36				5.0	2.5" Tubular Stl-Square		8.0	3.0	12.5			X	▲		6.0					63				1				
0.899	L	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		5.0					65				1				State Ave	
			D3-1 (2x)	30 X 12			MBB												5.0													s 34th St	
			R1-1	30 X 30															5.2													STOP	
0.909	L	USE AS IS	R7-1																													
0.910	R	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		5.0					65				1				State Ave	
			D3-1 (2x)	36 X 12			MBB												6.0													Riverside Rd	
			R1-1	30 X 30															5.2													STOP	
0.945	R	USE AS IS	R7-1																													
0.964	L	USE AS IS	R7-1																													
0.984	L	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		5.0					65				1				State Ave	
			D3-1 (2x)	30 X 12			MBB												5.0													s 33rd St	
			R1-1	30 X 30															5.2													STOP	

SHEET NO.
S9

SIGNING SUMMARY

PROJECT NAME: STATE AVE - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: UPP 1024(5)
UPN: 10704000

DESIGNED BY: MORRISON MAIERLE 03/2026
REVIEWED BY: #### ####
CHECKED BY: #### ####

MONTANA Department of Transportation

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES														ADDITIONAL INFORMATION	
								FEET										PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
0.990	R	REPLACE	W1-7	24 X 12				5.0	2.5" Tubular Stl-Square		7.0	3.0	9.5				▲		2.0						53			1					
0.999	L	USE AS IS	R7-1																														
1.020	R	REPLACE	R3-9b	24 X 36				5.0	2.5" Tubular Stl-Square		8.0	3.0	12.5			X	▲		6.0						63			1					
1.024	L	USE AS IS	R7-1																														
1.028	L	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		5.0						65			1					
			D3-1 (2x)	30 X 12			MBB												5.0														
			R1-1	30 X 30															5.2														
1.032	R	REPLACE	W1-7	24 X 12				5.0	2.5" Tubular Stl-Square		7.0	3.0	9.5				▲		2.0						53			1					
1.039	R	REPLACE	W11-10	36 X 36				5.0	2.5" Tubular Stl-Square		7.0	3.0	12.0				▲		9.0						61			1					
1.039	L	REPLACE	R3-9b	24 X 36				5.0	2.5" Tubular Stl-Square		8.0	3.0	12.5			X	▲		6.0						63			1					
1.065	L	USE AS IS	R7-1																														
1.074	L	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		5.0						65			1					
			D3-1 (2x)	30 X 12			MBB												5.0														
			R1-1	30 X 30															5.2														
1.079	R	REPLACE	W1-7	24 X 12				5.0	2.5" Tubular Stl-Square		7.0	3.0	9.5				▲		2.0						53			1					
1.099	L	USE AS IS	R7-1																														
1.134	L	USE AS IS	R7-1																														

SHEET NO.
S10

SIGNING SUMMARY

PROJECT NAME: STATE AVE - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: UPP 1024(5)
UPN: 10704000
DESIGNED BY: MORRISON MAIERLE 03/2026
REVIEWED BY: #### ####
CHECKED BY: #### ####
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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS											SIGN ASSEMBLY QUANTITIES														ADDITIONAL INFORMATION	
								FEET		FEET									PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
1.159	L	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		5.0						65			1					State Ave	
			D3-1 (2x)	30 X 12			MBB												5.0														s 31st st	
			R1-1	30 X 30															5.2														STOP	
1.178	R	REPLACE	R3-9b	24 X 36				5.0	2.5" Tubular Stl-Square		8.0	3.0	12.5			X	▲		6.0						63			1						
1.183	R	REPLACE	W11-2	30 X 30	FY			5.0	2.5" Tubular Stl-Square		8.0	3.0	14.1			X	▲		6.3						68			1						
			W16-2aP	24 X 12	FY														2.0														200 FT	
1.185	L	REPLACE	R3-9b	24 X 36				5.0	2.5" Tubular Stl-Square		7.0	3.0	11.5				▲		6.0						60			1						
1.189	L	USE AS IS	R7-1																															
1.217	R	REPLACE	W11-2	30 X 30	FY				Overhead Str Cantilever		7.0								6.3									1						
		REPLACE	W11-2	30 X 30	FY				Overhead Str Cantilever										6.3									1						
1.225	L	REPLACE	W11-2	30 X 30	FY				Overhead Structural Stl		7.0								6.3									1						
		USE AS IS	R7-1																															
		REPLACE	W11-2	30 X 30	FY				Overhead Str Cantilever										6.3									1						

SHEET NO.
S11

SIGNING SUMMARY

PROJECT NAME: STATE AVE - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: UPP 1024(5)
UPN: 10704000

DESIGNED BY	03/2026
MORRISON MAIERLE	
REVIEWED BY	####
#####	
CHECKED BY	####
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MONTANA
Department of Transportation

SIGNING PLANS

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SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS											SIGN ASSEMBLY QUANTITIES														ADDITIONAL INFORMATION	
								FEET		FEET									PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
1.249	L	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5"Tubular Stl-Square		7.0	3.0	13.2				▲		5.0						65			1				State Ave	
			D3-1 (2x)	30 X 12			MBB												5.0													s 30th st	
			R1-1	30 X 30															5.2													STOP	
1.260	L	REPLACE	W11-2	30 X 30	FY			5.0	2.5"Tubular Stl-Square		7.0	3.0	13.1				▲		6.3						65			1					
			W16-2aP	24 X 12	FY														2.0													200 FT	
1.279	L	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5"Tubular Stl-Square		7.0	3.0	13.2				▲		5.0						65			1				State Ave	
			D3-1 (2x)	30 X 12			MBB												5.0													11th Ave S	
			R1-1	30 X 30															5.2													STOP	
1.301	R	REPLACE	W11-2	30 X 30	FY			5.0	2.5"Tubular Stl-Square		7.0	3.0	13.1				▲		6.3						65			1					
			W16-2aP	24 X 12	FY														2.0													400 FT	
1.309	L	USE AS IS	R7-1																													NO PARKING ANY TIME	
1.321	R	USE AS IS	R7-1																													NO PARKING ANY TIME	
1.325	L	USE AS IS	R2-1																													SPEED LIMIT 35	
1.330	L	REPLACE	R3-9cP	24 X 12				5.0	2.5"Tubular Stl-Square		7.0	3.0	12.6				▲		2.0						63			1				BEGIN	
			R3-9b	24 X 36															6.0													CENTER LANE ONLY	

SHEET NO.
S12

SIGNING SUMMARY

PROJECT NAME: STATE AVE - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: UPP 1024(5)
UPN: 10704000

DESIGNED BY: MORRISON MAIERLE 03/2026
REVIEWED BY: ##### ####
CHECKED BY: ##### ####

10704000SISUMZ01.DWG

MONTANA Department of Transportation

SIGNING PLANS

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Morrison Maierle

SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES														ADDITIONAL INFORMATION	
								FEET		FEET								PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
1.331	R	REPLACE	R3-9dP	24 X 12				5.0	2.5" Tubular Stl-Square		7.0	3.0	12.6				▲		2.0						63				1				END	
			R3-9b	24 X 36															6.0														CENTER LANE ONLY	
1.335	L	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		5.0						65				1				State Ave	
			D3-1 (2x)	30 X 12			MBB												5.0														s 29th st	
			R1-1	30 X 30															5.2														STOP	
1.365	R	REPLACE	R3-2	24 X 24				5.0	2.0" Tubular Stl-Square		7.0	3.0	10.5				▲		4.0						44				1					
1.381	R	REPLACE	W11-2	30 X 30	FY			5.0	2.5" Tubular Stl-Square		7.0	3.0	13.3				▲		6.3						65				1					
			W16-7PL	21 X 15	FY														2.2															
1.390	L	REPLACE	W11-2	30 X 30	FY			5.0	2.5" Tubular Stl-Square		7.0	3.0	13.3				▲		6.3						65				1					
			W16-7PL	21 X 15	FY														2.2															
1.395	L	USE AS IS	R1-1																													STOP	
1.406	L	REPLACE	R3-1	24 X 24				5.0	2.0" Tubular Stl-Square		7.0	3.0	10.5				▲		4.0						44				1					

SHEET NO.
S13

SIGNING SUMMARY

PROJECT NAME: STATE AVE - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: UPP 1024(5)
UPN: 10704000

DESIGNED BY	DATE
MORRISON MAIERLE	03/2026
REVIEWED BY	####
CHECKED BY	####
####	####

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MONTANA
Department of Transportation

SIGNING PLANS

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Morrison Maierle

SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES													ADDITIONAL INFORMATION	
								FEET		FEET								PANEL (SQ. FT.		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
1.408	R	REPLACE	D3-1 (2x)	30 X 12			MBB	2.0	2.5" Tubular Stl-Square		7.0	3.0	13.2				▲		5.0						65				1				State Ave	
			D3-1 (2x)	30 X 12			MBB												5.0														Sugar Ave	
			R1-1	30 X 30															5.2														STOP	
1.409	L	USE AS IS	D5-1																															
1.410	L	REPLACE	R9-3	18 X 18					Light Pole		7.0								2.3										1					
			R9-3bP	18 X 12															1.5														USE CROSSWALK	
1.412	R	REPLACE	R9-3	18 X 18				5.0	2.5" Tubular Stl-Square		7.0	3.0	11.1				▲		2.3						58				1					
			R9-3bP	18 X 12															1.5														USE CROSSWALK	
1.430	R	USE AS IS	R7-1																														NO PARKING ANY TIME	
1.430	L	USE AS IS	R7-1																														NO PARKING ANY TIME	
1.435	L	USE AS IS	R3-8c																															
1.445	R	RSFO	M2-1P	21 X 15							7.0								2.2														JCT	
			M1-5	24 X 24															4.0														MONTANA 3	

SHEET NO.
S14

SIGNING SUMMARY

PROJECT NAME: STATE AVE - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: UPP 1024(5)
UPN: 10704000

DESIGNED BY: MORRISON MAIERLE 03/2026
REVIEWED BY: ##### ####
CHECKED BY: ##### ####

MONTANA Department of Transportation

SIGNING PLANS

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Morrison Maierle

SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS											SIGN ASSEMBLY QUANTITIES													ADDITIONAL INFORMATION	
								FEET		FEET									PANEL (SQ. FT.)		WOOD POLE (LNR. FT.)			STEEL POST (LBS.)					REMOVE		RESET			
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES) W X H	FY OR FYG	BACKBRACING REQ'D / 1 OR 2 ANGLE IRONS REQ'D	MOUNT BACK TO BACK / CHEVRON ANGLE MOUNT	CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED) X	Y	Z	CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	# OF BREAKAWAYS	SIGN	GUIDE	SIGN	GUIDE	SIGN IMAGE	REMARKS
1.455	L	USE AS IS	R7-1																												NO PARKING ANY TIME	
1.478	R	USE AS IS	R7-1																												NO PARKING ANY TIME	
1.485	R	USE AS IS	R7-1																												NO PARKING ANY TIME	
1.490	L	USE AS IS	R7-1																												NO PARKING ANY TIME	
1.500	R	RSFO	M1-5	24 X 24		BBR					7.0								4.0												MONTANA 3	
			M6-4P	21 X 15															2.2													
			M4-5P	24 X 12															2.0												TO	
			M1-1	24 X 24															3.2												90	
			M6-1PR	21 X 15															2.2													
1.504	R	REPLACE	W11-2	30 X 30	FY			5.0	2.5" Tubular Stl-Square		7.0	3.0	12.0				▲		6.3					61				1				
1.514	L	REPLACE	OHD3	54 X 24					Overhead Str Cantilever										9.0									1				S 27th St	
1.514	R	REPLACE	OHD3	84 X 24					Overhead Str Cantilever										14.0									1				Belknap Ave	
1.525	R	REPLACE	OHD3	54 X 24					Overhead Str Cantilever										9.0									1				S 27th St	
1.528	L	REPLACE	OHD3	72 X 24					Overhead Str Cantilever										12.0									1				State Ave	
									PROJECT TOTALS										909.8					3942				102					

SHEET NO.
S15

SIGNING SUMMARY

PROJECT NAME: STATE AVE - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: UPP 1024(5)
UPN: 10704000

DESIGNED BY: MORRISON MAIERLE 03/2026
REVIEWED BY: ##### #####
CHECKED BY: ##### #####

10704000SIUMZ01.DWG

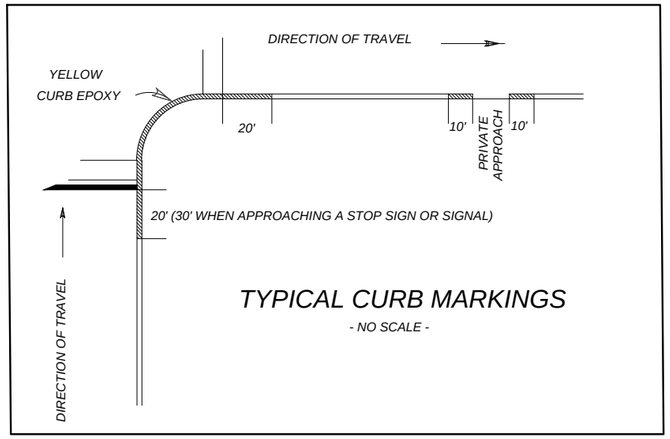
MONTANA Department of Transportation

SIGNING PLANS

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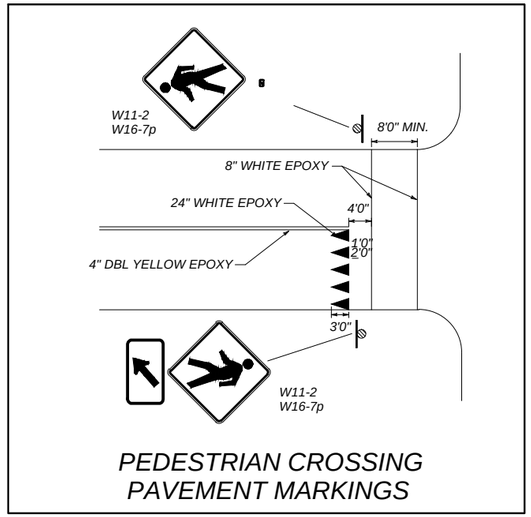
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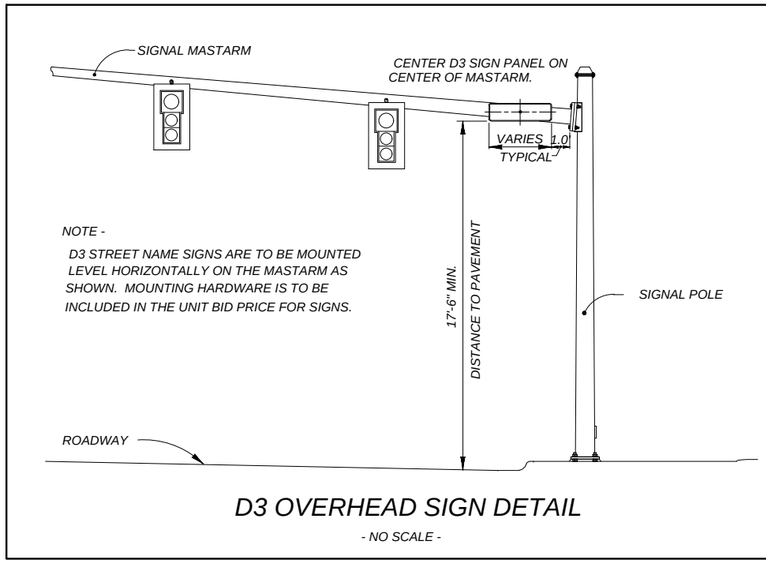


TYPICAL CURB MARKINGS

- NO SCALE -

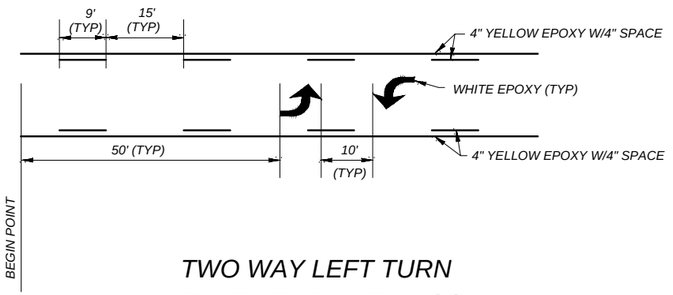


PEDESTRIAN CROSSING
PAVEMENT MARKINGS



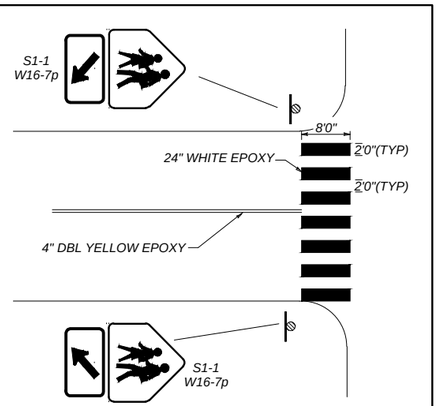
D3 OVERHEAD SIGN DETAIL

- NO SCALE -

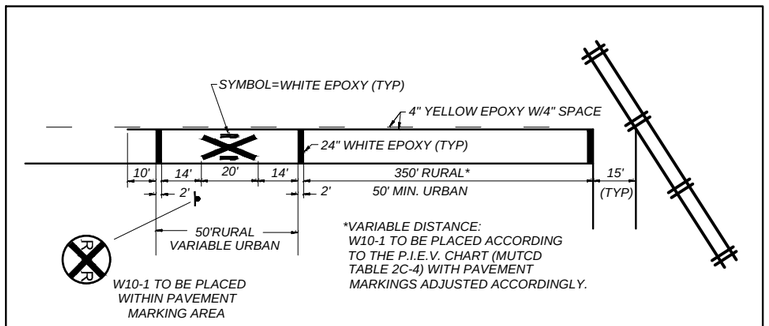


TWO WAY LEFT TURN
PAVEMENT MARKINGS

URBAN

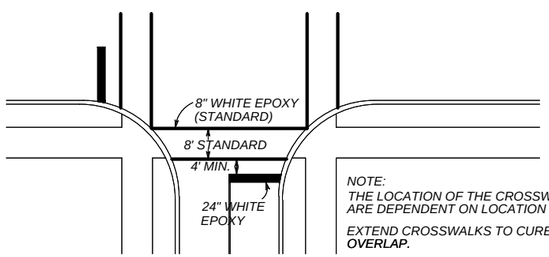


SCHOOL CROSSING
PAVEMENT MARKINGS



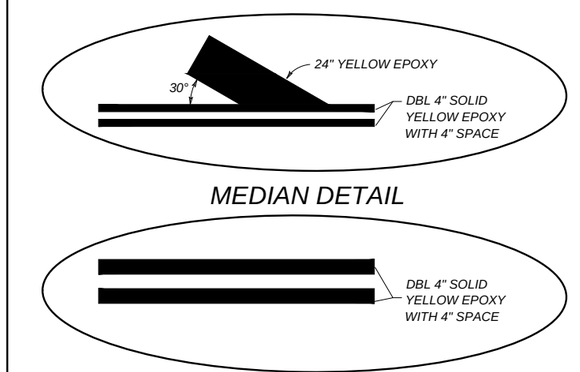
RAILROAD CROSSING PAVEMENT MARKINGS

- NO SCALE -



TYPICAL PAVEMENT MARKINGS
FOR PEDESTRIAN CROSSINGS

- NO SCALE -



MEDIAN DETAIL

SHEET NO.
S16

SIGNING DETAILS

PROJECT NAME: STATE AVE - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: UPP 1024(5)
UPN: 10704000

DESIGNED BY	03/2026		
MORRISON MAIERLE			
REVIEWED BY	####		
####			
CHECKED BY	####		
####			

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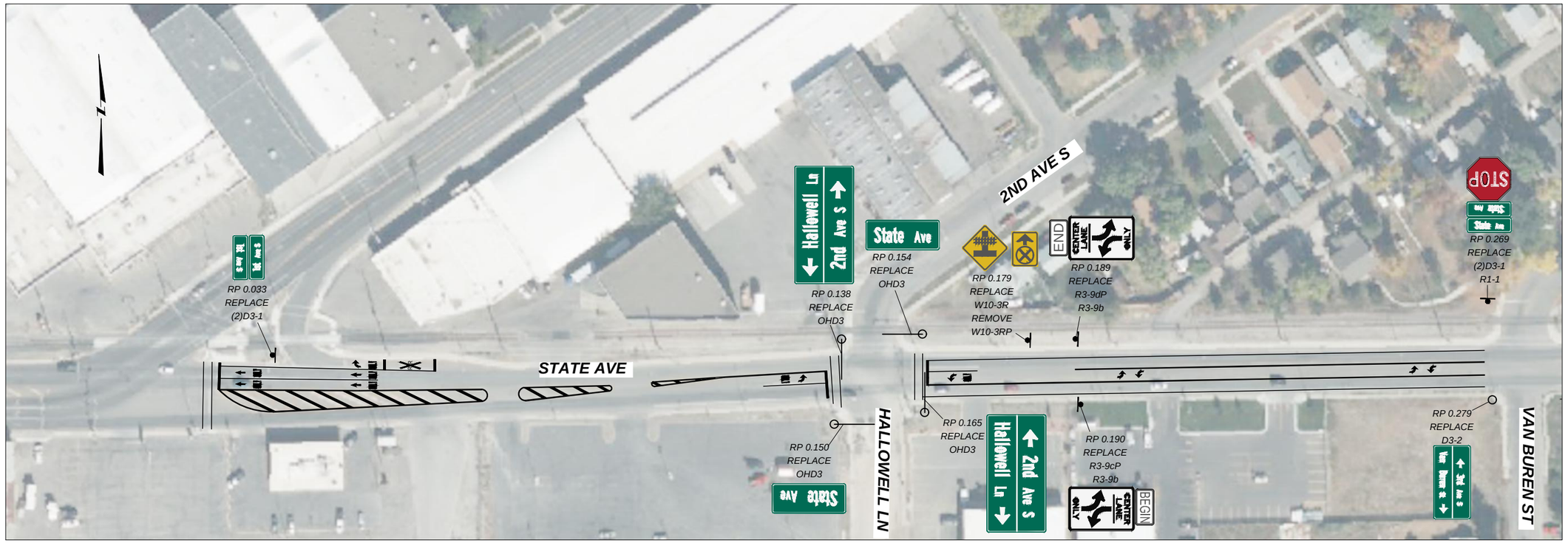
MONTANA
Department of Transportation

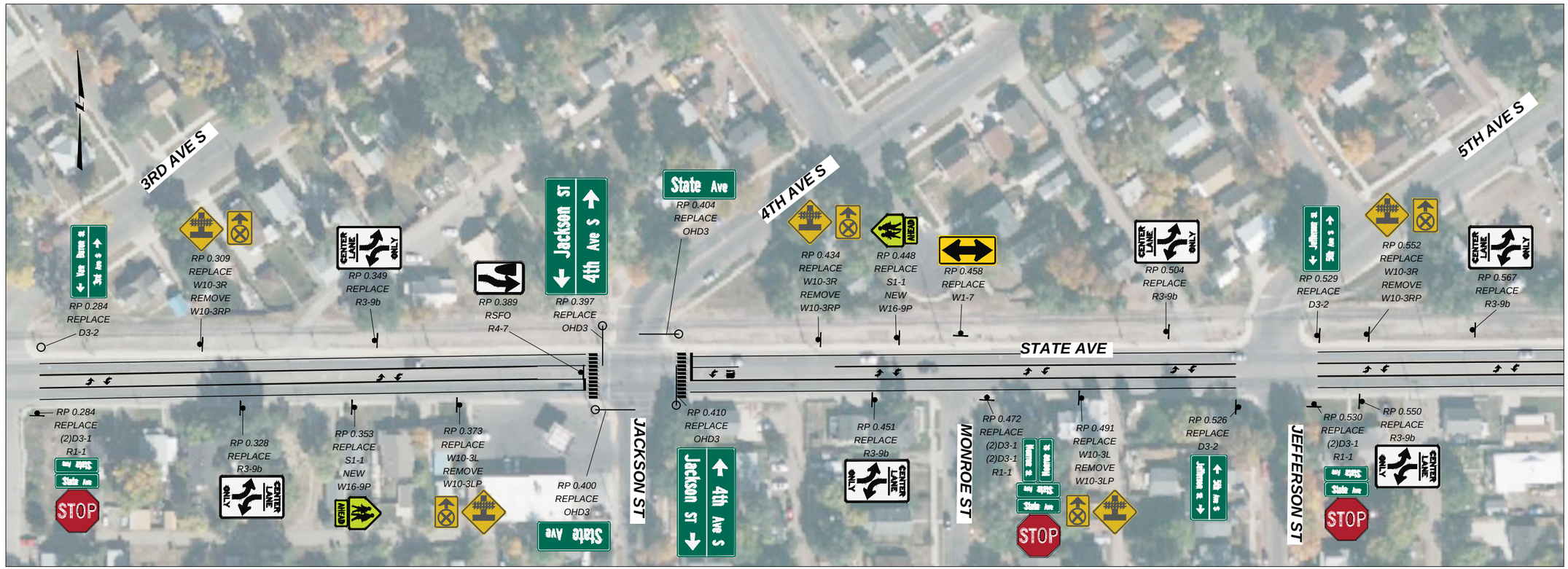
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SIGNS NOT SHOWN ON PLANS ARE "USE AS IS"

SHEET NO. S17

SIGNING PLAN

PROJECT NAME: STATE AVE - BILLINGS

COUNTY: YELLOWSTONE

PROJECT ID: UPP 1024(5)

UPN: 10704000

DESIGNED BY	03/2026	CHECKED BY	#####
MORRISON MAIERLE		#####	10704000SIPLNZ01.DWG
REVIEWED BY	#####		
#####			

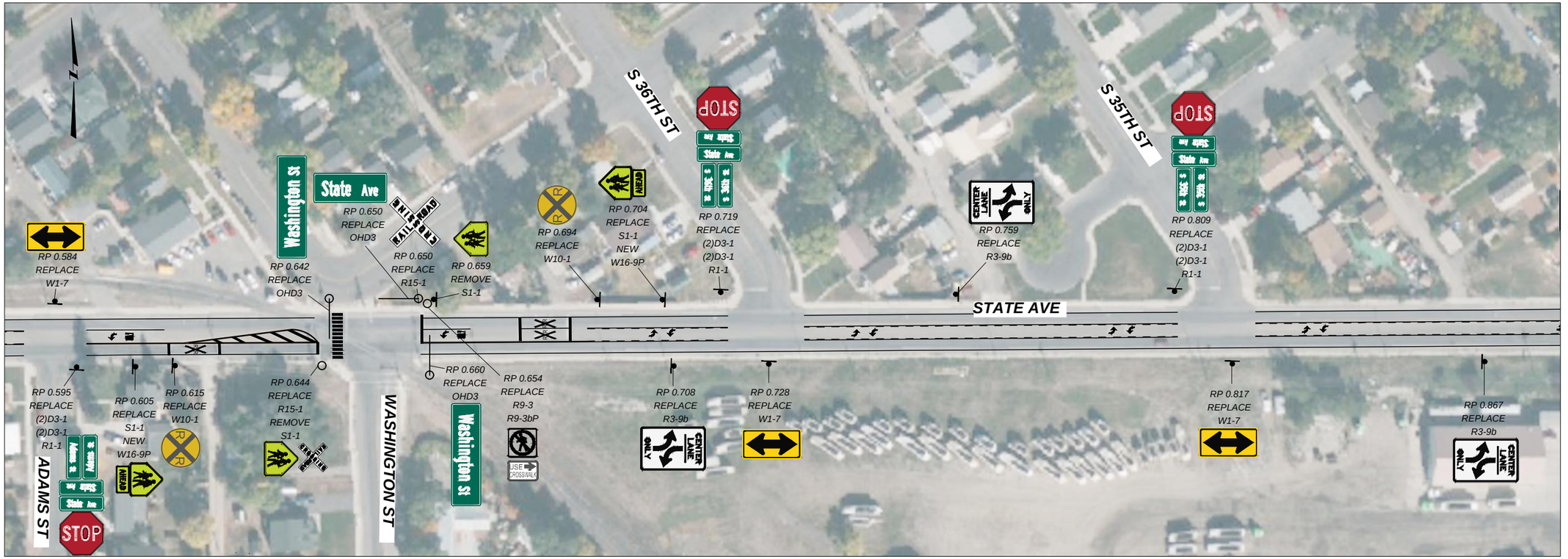
MONTANA Department of Transportation

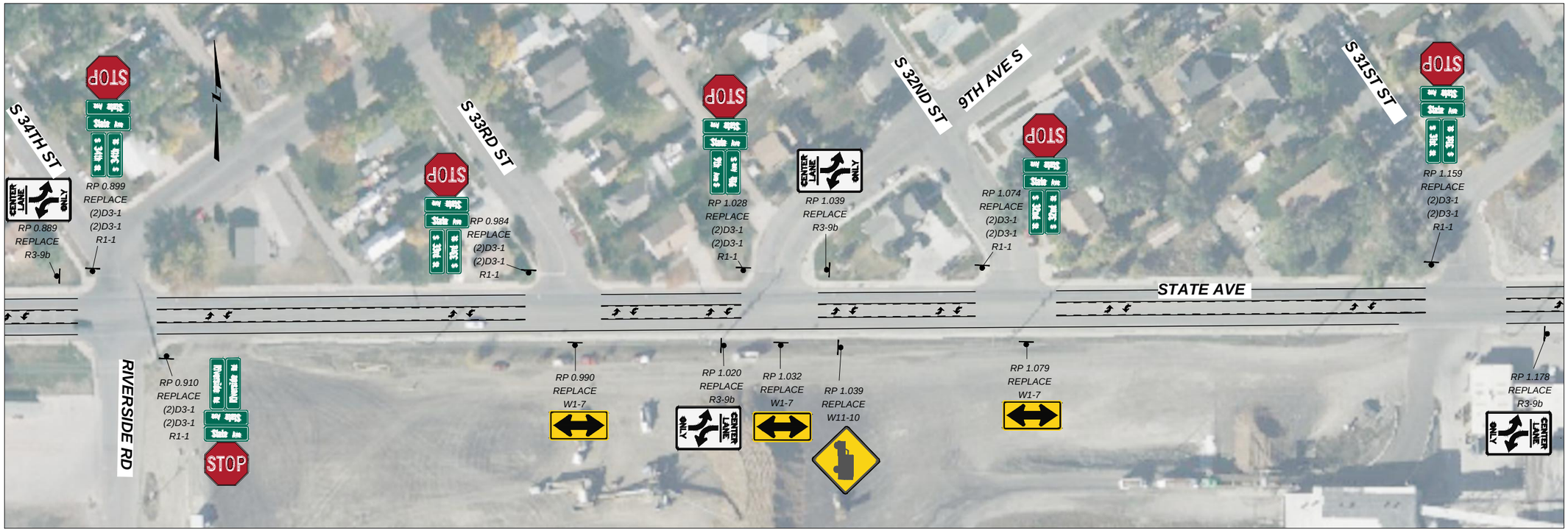
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SIGNS NOT SHOWN ON PLANS ARE "USE AS IS"

SHEET NO.
S18

SIGNING PLAN

PROJECT NAME: STATE AVE - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: UPP 1024(5)
UPN: 10704000

DESIGNED BY	MORRISON MAIERLE	03/2026	
REVIEWED BY	####	####	
CHECKED BY	####	####	

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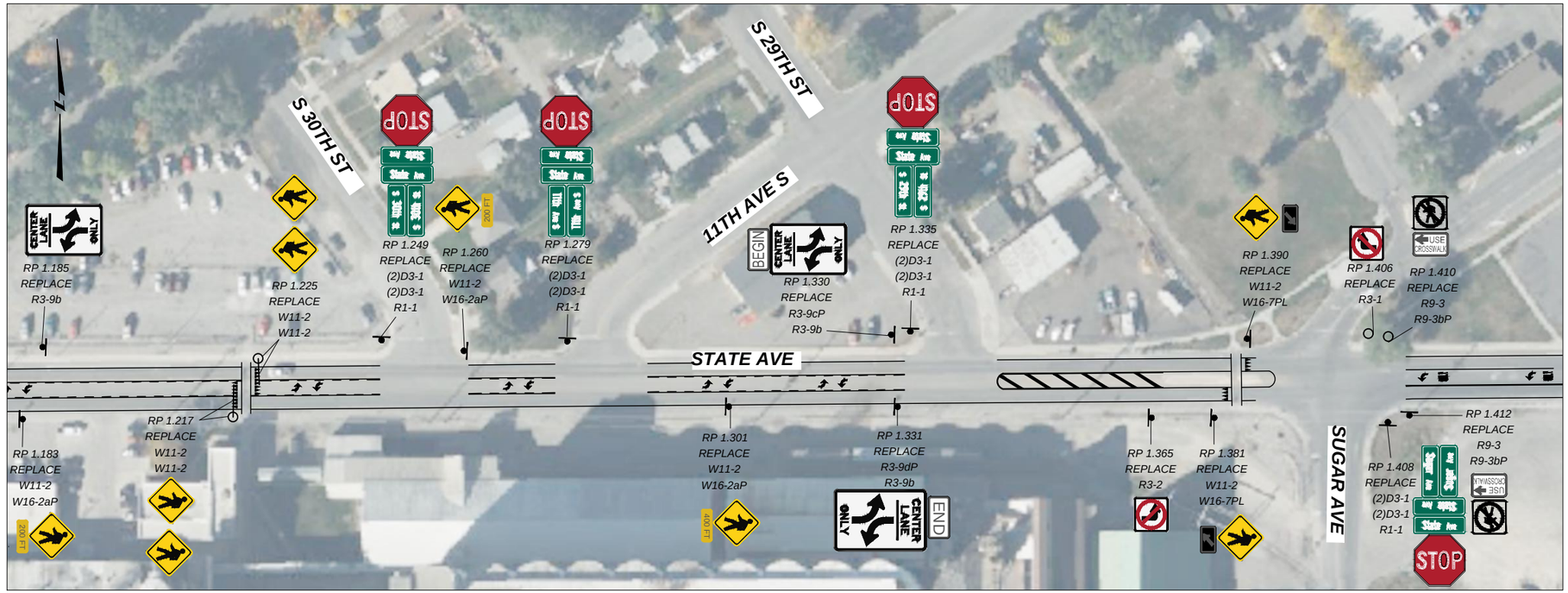
MONTANA
Department of Transportation

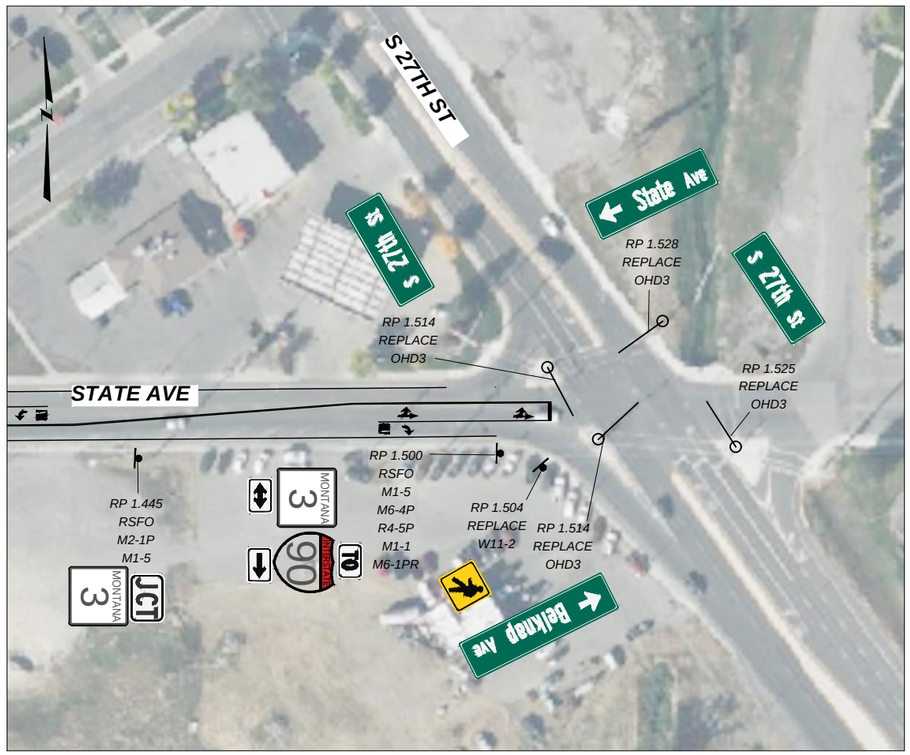
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SIGNS NOT SHOWN ON PLANS ARE "USE AS IS"

SHEET NO.
S19

SIGNING PLAN

PROJECT NAME: STATE AVE - BILLINGS
COUNTY: YELLOWSTONE
PROJECT ID: UPP 1024(5)
UPN: 10704000

DESIGNED BY: MORRISON MAIERLE 03/2026
REVIEWED BY: #### ####
CHECKED BY: #### ####

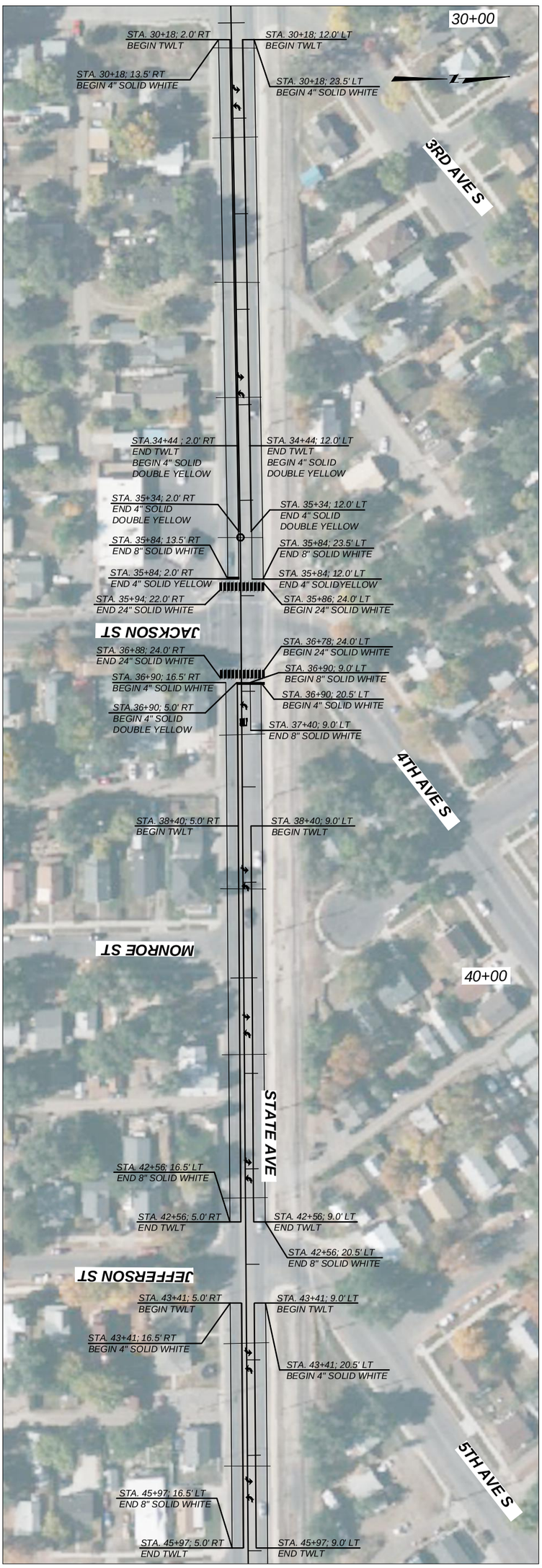
MONTANA Department of Transportation

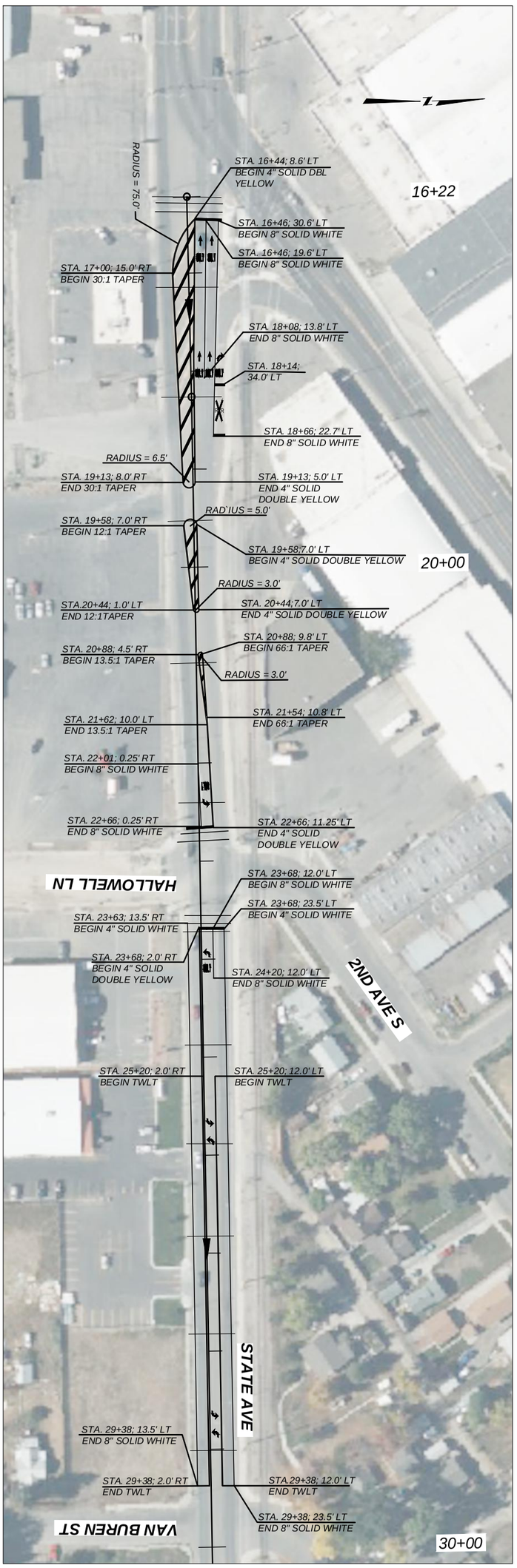
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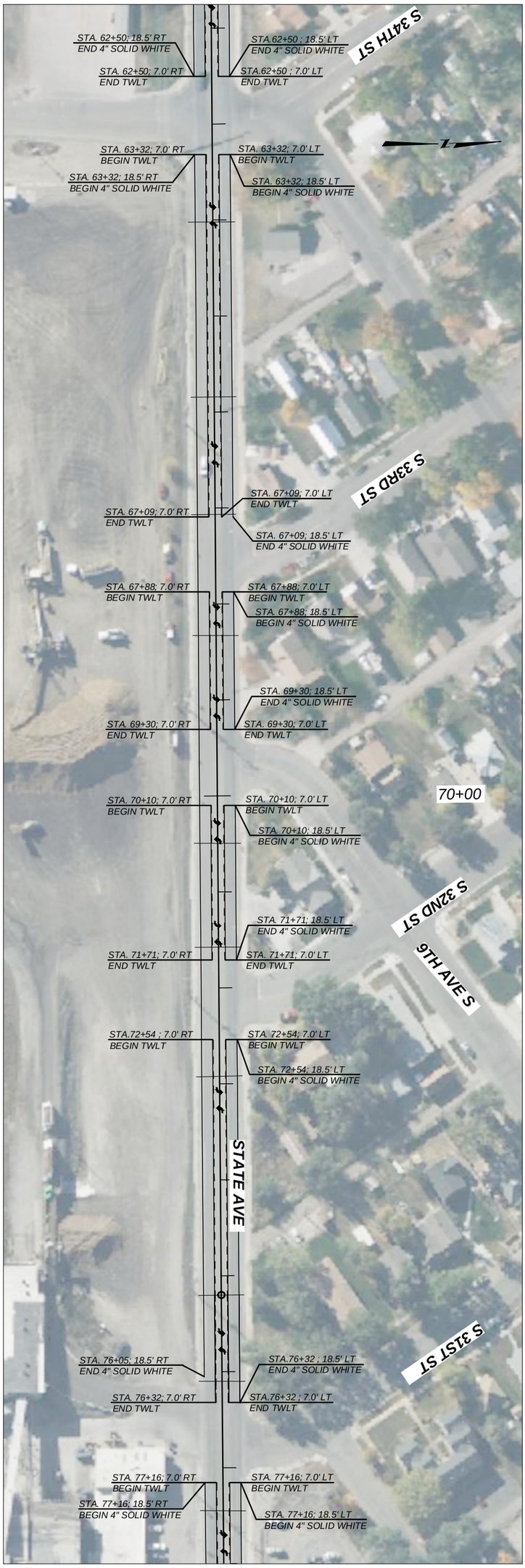


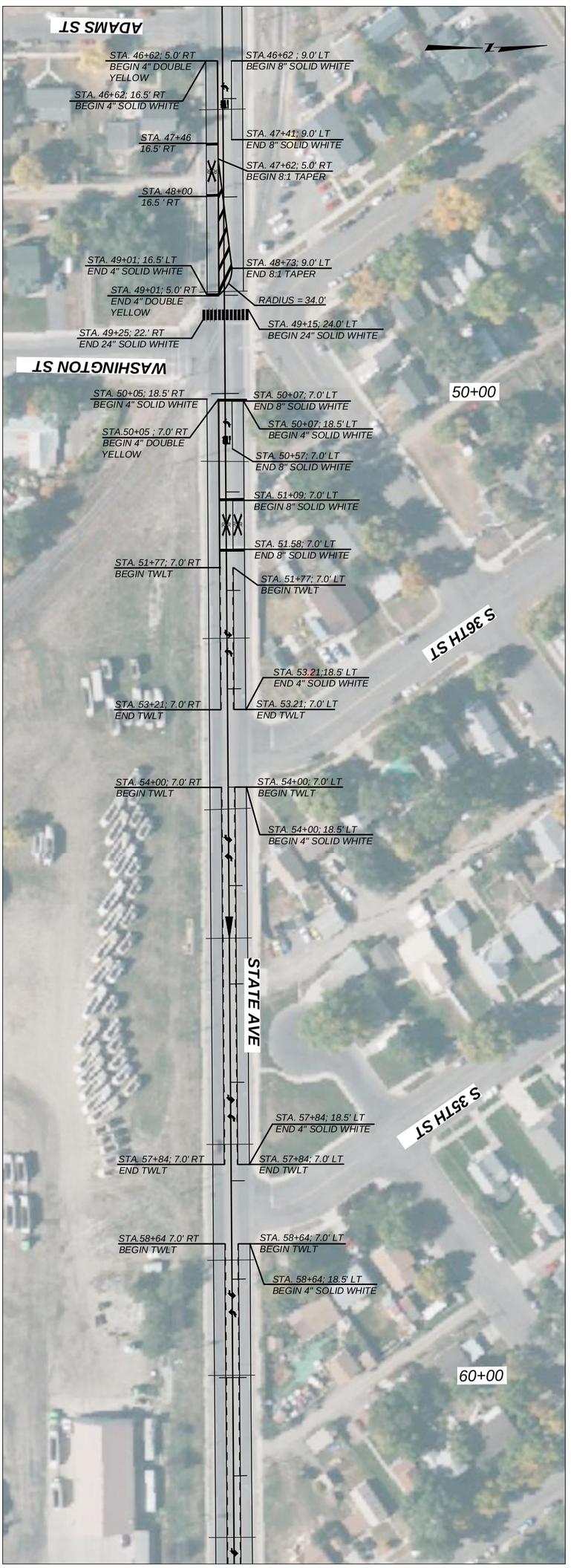


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MONTANA Department of Transportation	DESIGNED BY		PROJECT NAME	STRIPING PLAN	SHEET NO.
	MORRISON MAIERLE	03/2026	STATE AVE - BILLINGS		S20
	REVIEWED BY		COUNTY		
	####	####	YELLOWSTONE		
SIGNING PLANS	CHECKED BY		PROJECT ID		
	####	####	UPP 1024(5)		
7/29/2026 12:27 PM	10704000SIPLNZ02.DWG		UPN		
			10704000		

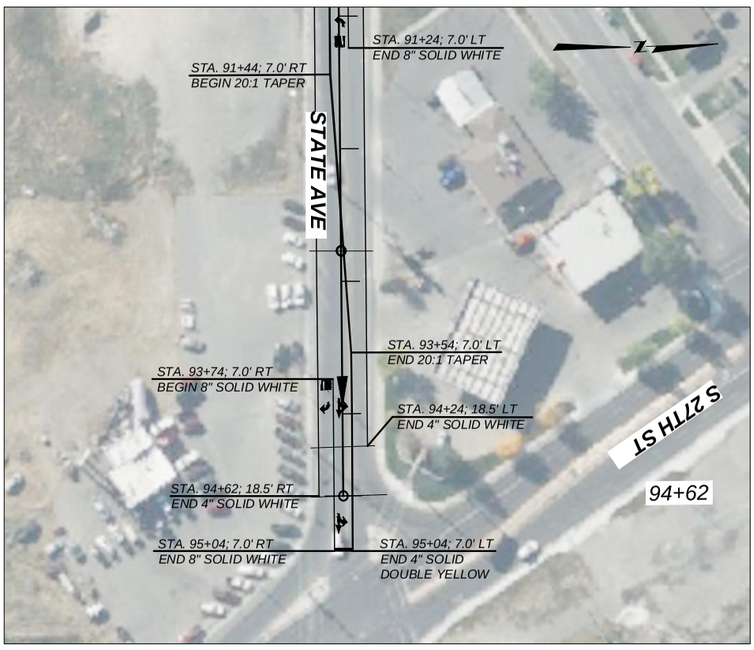
Morrison Maierle

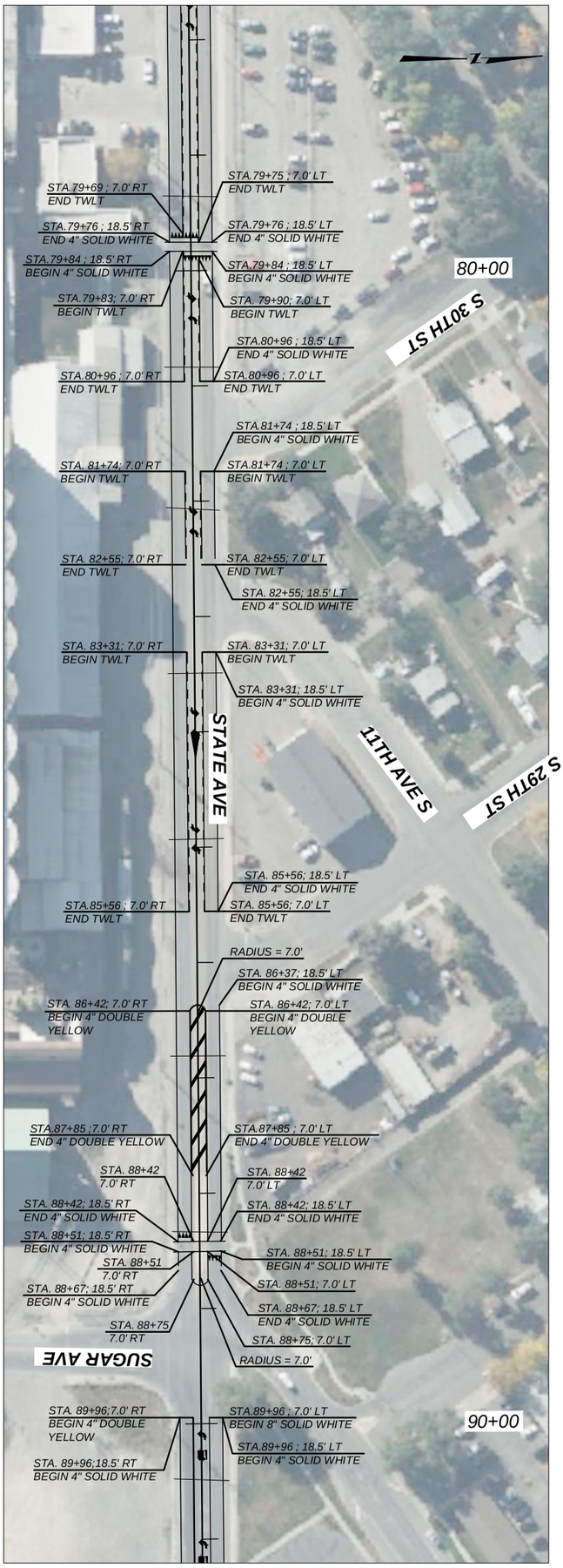




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MONTANA Department of Transportation	DESIGNED BY		PROJECT NAME		SHEET NO.
	MORRISON MAIERLE	03/2026	STATE AVE - BILLINGS	STRIPING PLAN	S21
	REVIEWED BY		COUNTY		
	####	####	YELLOWSTONE		
SIGNING PLANS	CHECKED BY		PROJECT ID		
	####	####	UPP 1024(5)		
7/29/2026 12:27 PM	10704000SIPLNZ02.DWG		UPN		
			10704000		





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MONTANA Department of Transportation	DESIGNED BY		PROJECT NAME	STRIPING PLAN	SHEET NO.
	MORRISON MAIERLE	03/2026	STATE AVE - BILLINGS		S22
	REVIEWED BY		COUNTY		
	####	####	YELLOWSTONE		
SIGNING PLANS	CHECKED BY		PROJECT ID		
	####	####	UPP 1024(5)		
7/29/2026 12:27 PM	10704000SIPLNZ02.DWG		UPN		
			10704000		