ENGINEERING CONSTRUCTION CONTRACTING SECTION
MONTANA DEPARTMENT OF TRANSPORTATION

Sign Design Calculations

SIGN DESIGN CALCS The requested files are only design files. The Department cannot guarantee the accuracy of the electronic data, particularly as it may be called up by your computer, nor does any data in these files supersede the data in the contract documents.

In addition, the Department will not make any revisions to the electronic files prior to award. Changes needed via change ordered work, or changes that are made during construction to fit field conditions, will be provided at that time. See the requirements of Subsection 619.03.2.

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Panel Style: guide_con_street.ssi
Dimensions are in inches hundredths

SIGN NUMBER	D3-1		
WIDTH x HEIGHT	48" x 12"	4" Sq.Ft.	
BORDER WIDTH	0.5"	MARGIN 0"	
CORNER RADIUS	1.5"	ALUMINUM TYPE	
MOUNTING	Ground	SHEET	
BACKGROUND	TYPE: Reflective		
	COLOR: Green		
LEGEND/BORDER	TYPE: Reflective		
	COLOR: White/White		

STATION(S) none

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)

REDUCTION: 10% ☐ 20% ☐ 30% ☒

	G	o	l	d	e	n		V	a	l	l	e	y		R	d															LENGTH	SERIES/SIZE
																															B 2000	
3.98"	3.13"	2.77"	1.33"	2.77"	2.68"	2.16"	4.2"	3.07"	2.85"	1.45"	1.33"	2.43"	2.76"	3.2"	2.25"	1.67"	3.98"													40.03"	6"/4.5",4.5"/3.38"

SHEET NO.
S1

SIGN DESIGN CALCULATIONS

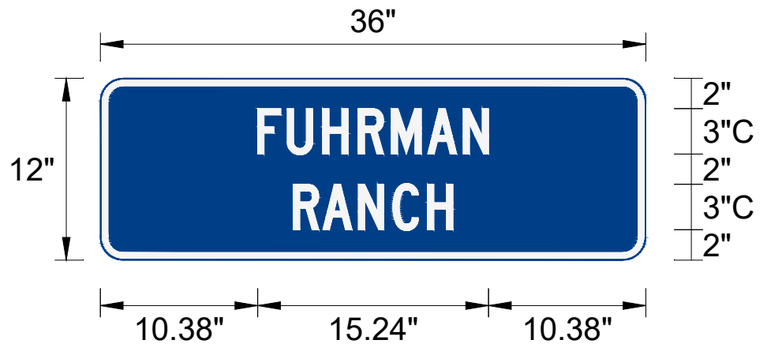
MONTANA
Department of Transportation

SIGNING PLANS

DESIGNED BY	S. WATSON 05/2026
REVIEWED BY	
CHECKED BY	N. STYREN 06/2026
PROJECT NAME	SOUTH OF OPHEIM-SOUTH VALLEY
COUNTY	
PROJECT ID	STPP 31-1(30)26 10228000
UPN	10228000SISDC001.DWG

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Panel Style: guide_con_general_services.ssi
Dimensions are in inches hundredths

SIGN NUMBER	N7-1P MT		
WIDTH x HEIGHT	36" x 12"	3" Sq.Ft.	
BORDER WIDTH	0.5"	MARGIN 0"	
CORNER RADIUS	1.5"	ALUMINUM TYPE	
MOUNTING	Ground	SHEET	
BACKGROUND	TYPE: Reflective		
	COLOR: Blue		
LEGEND/BORDER	TYPE: Reflective		
	COLOR: White/White		

STATION(S) none

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X) — REDUCTION: 10% 20% 30%

																														LENGTH	SERIES/SIZE
	F	U	H	R	M	A	N																								C 2000
10.38"	1.95"	2.34"	2.34"	2.19"	2.4"	2.34"	1.68"	10.38"																						15.24"	3"
	R	A	N	C	H																										C 2000
12.73"	1.95"	2.34"	2.28"	2.28"	1.68"	12.73"																								10.53"	3"

SHEET NO.
S2

SIGN DESIGN CALCULATIONS

MONTANA
Department of Transportation

SIGNING PLANS

DESIGNED BY	S. WATSON 05/2026
REVIEWED BY	
CHECKED BY	N. STYREN 06/2026
PROJECT NAME	SOUTH OF OPHEIM-SOUTH
COUNTY	VALLEY
PROJECT ID	STPP 31-1(30)26
UPN	10228000

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Panel Style: guide_con_street.ssi
Dimensions are in inches hundredths

SIGN NUMBER	D3-1	
WIDTH x HEIGHT	48" x 12"	4" Sq.Ft.
BORDER WIDTH	0.5"	MARGIN 0"
CORNER RADIUS	1.5"	ALUMINUM TYPE
MOUNTING	Ground	SHEET
BACKGROUND	TYPE: Reflective	
	COLOR: Green	
LEGEND/BORDER	TYPE: Reflective	
	COLOR: White/White	

STATION(S) none

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X) — REDUCTION: 10% 20% 30% X — LENGTH — SERIES/SIZE

	W		M	e	a	d	o	w	l	a	r	k		R	d																	
4.23"	2.88"	3.2"	3.61"	2.47"	2.72"	2.77"	2.51"	3.78"	1.24"	2.85"	1.98"	2.4"	3.2"	2.25"	1.67"	4.23"															39.54"	B 2000 4.5",6"/4.5",4.5"/3.38"

SHEET NO.
S3

SIGN DESIGN CALCULATIONS

MONTANA
Department of Transportation

SIGNING PLANS

DESIGNED BY	S. WATSON	05/2026	
REVIEWED BY			
CHECKED BY	N. STYREN	06/2026	

PROJECT NAME: SOUTH OF OPHEIM-SOUTH
COUNTY: VALLEY
PROJECT ID: STPP 31-1(30)26
UPN: 10228000
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Panel Style: guide_con_street.ssi
Dimensions are in inches hundredths

SIGN NUMBER	D3-1		
WIDTH x HEIGHT	42" x 12"	3.5" Sq.Ft.	
BORDER WIDTH	0.5"	MARGIN 0"	
CORNER RADIUS	1.5"	ALUMINUM TYPE	
MOUNTING	Ground	SHEET	
BACKGROUND	TYPE: Reflective		
	COLOR: Green		
LEGEND/BORDER	TYPE: Reflective		
	COLOR: White/White		

STATION(S) none

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)

REDUCTION: 10% 20% 30%

M	e	a	d	o	w	l	a	r	k		R	d																	LENGTH	SERIES/SIZE
																														B 2000
2.66"	3.9"	2.58"	2.94"	3"	2.64"	3.96"	1.44"	3.12"	2.16"	2.4"	4.5"	2.39"	1.67"	2.66"															36.69"	6"/4.5",4.5"/3.38"

SHEET NO.
S4

SIGN DESIGN CALCULATIONS

MONTANA
Department of Transportation

SIGNING PLANS

DESIGNED BY	S. WATSON 05/2026
REVIEWED BY	
CHECKED BY	N. STYREN 06/2026
PROJECT NAME	SOUTH OF OPHEIM-SOUTH
COUNTY	VALLEY
PROJECT ID	STPP 31-1(30)26
UPN	10228000

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SIGN NUMBER	D3-1		
WIDTH x HEIGHT	24" x 12"	2" Sq.Ft.	
BORDER WIDTH	0.5"	MARGIN 0"	
CORNER RADIUS	1.5"	ALUMINUM TYPE	
MOUNTING	Ground	SHEET	
BACKGROUND	TYPE: Reflective		
	COLOR: Green		
LEGEND/BORDER	TYPE: Reflective		
	COLOR: White/White		

STATION(S) none

SYMBOL	ROT	X	Y	WID	HT

Panel Style: guide_con_street.ssi
Dimensions are in inches hundredths

LETTER POSITIONS (X) — REDUCTION: 10% 20% 30% — LENGTH — SERIES/SIZE

	S	a	n	d		R	d																							
2.08"	3.06"	3.12"	2.88"	2.22"	4.5"	2.39"	1.67"	2.08"																					19.83"	B 2000 6"/4.5",4.5"/3.38"

PROJECT NAME	SOUTH OF OPHEIM-SOUTH
COUNTY	VALLEY
PROJECT ID	STPP 31-1(30)26
UPN	10228000

MONTANA
Department of Transportation

SIGNING PLANS

DESIGNED BY	S. WATSON	05/2026
REVIEWED BY		
CHECKED BY	N. STYREN	06/2026

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SHEET NO. S5

SIGN DESIGN CALCULATIONS

ADVERTISED COPY



SIGN NUMBER	D3-1		
WIDTH x HEIGHT	36" x 12"	3" Sq.Ft.	
BORDER WIDTH	0.5"	MARGIN 0"	
CORNER RADIUS	1.5"	ALUMINUM TYPE	
MOUNTING	Ground	SHEET	
BACKGROUND	TYPE: Reflective		
	COLOR: Green		
LEGEND/BORDER	TYPE: Reflective		
	COLOR: White/White		

STATION(S) none

SYMBOL	ROT	X	Y	WID	HT

Panel Style: guide_con_street.ssi
Dimensions are in inches hundredths

LETTER POSITIONS (X) REDUCTION: 10% 20% 30%

	F	u	h	r	m	a	n		R	d		LENGTH	SERIES/SIZE
3.41"	2.88"	3.12"	3.06"	2.16"	4.14"	3.12"	2.16"	4.5"	2.39"	1.67"	3.41"	29.19"	B 2000 6"/4.5",4.5"/3.38"

SHEET NO. S6

SIGN DESIGN CALCULATIONS

MONTANA Department of Transportation

SIGNING PLANS

DESIGNED BY	S. WATSON 05/2026
REVIEWED BY	
CHECKED BY	N. STYREN 06/2026
PROJECT NAME	SOUTH OF OPHEIM-SOUTH
COUNTY	VALLEY
PROJECT ID	STPP 31-1(30)26
UPN	10228000

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