

SECTION M: PAVEMENT MARKING PLANS

FOR BIDDING PURPOSES ONLY



PROJECT	SHEET	TOTAL SHEETS
EM 0292(88)73 IM 2292(104)0	M1	M31

Plotting Date: 5/15/2025

INDEX OF SHEETS

M1	General Layout with Index
M2-M5	Estimate with General Notes & Tables
M6-M26	Pavement Marking Layouts
M27	Pavement Marking Details
M28-M31	Standard Plates

END EM 0292(88)73

Station 106+06.35
located 1103.12 feet south and
1959.66 feet west of the northeast
corner of Section 18 -Township 100 North -
Range 50 West of the 5th P.M.
MRM (029 N) 75.17+0.032

Sta. 0+01.50 to Sta. 6+65.00
M.S.E. Large Panel Retaining Wall

Sta. 60+35.34 to Sta. 63+50.03
Str. No. 42-065-016
312'-11 3/8" Steel Girder Bridge
Concrete Barrier Curb and Gutter

BEGIN EM 0292(88)73

85TH STREET
Station 299+35.00
located 20.50 feet south and
499.13 feet east of the northwest
corner of Section 19 - Township 100 North -
Range 50 West of the 5th P.M.

Sta. 318+79.74 to Sta. 321+55.24
Str. No. 42-065-020
276'-6" Steel Girder Bridge
Concrete Barrier Curb and Gutter

BEGIN EM 0292(88)73

Station 30+27.82
located 2117.41 feet north and
2376.09 feet east of the southwest
corner of Section 19 - Township 100 North -
Range 50 West of the 5th P.M.
MRM (029 N) 73.38+0.364

END IM 2292(104)0

I-229 RAMP C LOUISE AVENUE
Station 43+87.81
located 1411.81 feet north and
4960.21 feet east of the southwest
corner of Section 8 -Township 100 North -
Range 50 West of the 5th P.M.
MRM (229 N1) 00.92+0.000

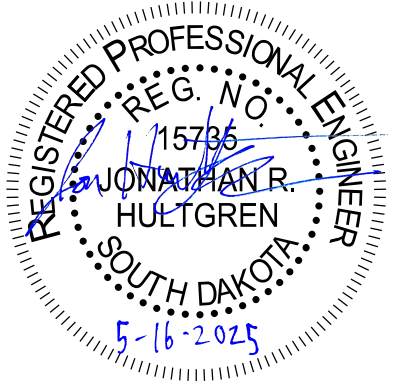
BEGIN IM 2292(104)0

I-229 RAMP B
Station 19+34.15
located 1115.22 feet south and
1906.32 feet west of the northeast
corner of Section 18 -Township 100 North -
Range 50 West of the 5th P.M.
MRM (229 N) 00.00+00.032

END EM 0292(88)73

85TH STREET
Station 339+30.00
located 33.11 feet south and
600.68 feet west of the northwest
corner of Section 20 - Township 100 North -
Range 50 West of the 5th P.M.

Sta. 324+45.77
Str. No. 42-066-020
11'x10' Box Culvert



SECTION M ESTIMATE OF QUANTITIES

PCN 06JQ

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
633E0010	Cold Applied Plastic Pavement Marking, 4"	48,166	Ft
633E0019	Cold Applied Plastic Pavement Marking, 4" with Contrast Border	11,216	Ft
633E0021	Cold Applied Plastic Pavement Marking, 8" with Contrast Border	2,109	Ft
633E0025	Cold Applied Plastic Pavement Marking, 12"	4,984	Ft
633E0030	Cold Applied Plastic Pavement Marking, 24"	532	Ft
633E0040	Cold Applied Plastic Pavement Marking, Arrow	28	Each
633E0046	Cold Applied Plastic Pavement Marking, Lane Reduction Arrow	2	Each
633E0210	Preformed Thermoplastic Pavement Marking, 4"	5,463	Ft
633E0211	Preformed Thermoplastic Pavement Marking, 4" with Contrast Border	4,225	Ft
633E0215	Preformed Thermoplastic Pavement Marking, 8"	650	Ft
633E0220	Preformed Thermoplastic Pavement Marking, 12"	128	Ft
633E0225	Preformed Thermoplastic Pavement Marking, 24"	1,001	Ft
633E0230	Preformed Thermoplastic Pavement Marking, Area	210	SqFt
633E0235	Preformed Thermoplastic Pavement Marking, Arrow	33	Each
633E1220	High Build Waterborne Pavement Marking Paint, 4" White	719	Ft
633E1222	High Build Waterborne Pavement Marking Paint, 4" Yellow	320	Ft
633E1260	High Build Waterborne Pavement Marking Paint, 24" White	74	Ft
633E1262	High Build Waterborne Pavement Marking Paint, 24" Yellow	68	Ft
633E5000	Grooving for Cold Applied Plastic Pavement Marking, 4"	28,518	Ft
633E5004	Grooving for Cold Applied Plastic Pavement Marking, 4" with Contrast Border	11,601	Ft
633E5008	Grooving for Cold Applied Plastic Pavement Marking, 8" with Contrast Border	2,109	Ft
633E5010	Grooving for Cold Applied Plastic Pavement Marking, 12"	3,909	Ft
633E5015	Grooving for Cold Applied Plastic Pavement Marking, 24"	1,243	Ft
633E5020	Grooving for Cold Applied Plastic Pavement Marking, Area	210	SqFt
633E5025	Grooving for Cold Applied Plastic Pavement Marking, Arrow	61	Each
633E5031	Grooving for Cold Applied Plastic Pavement Marking, Lane Reduction Arrow	2	Each
633E5050	Surface Preparation for Pavement Marking	35,879	Ft
634E0560	Remove Pavement Marking, 4" or Equivalent	21,781	Ft
634E0565	Remove Pavement Marking, Arrow	1	Each

PCN 07D0

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
633E0010	Cold Applied Plastic Pavement Marking, 4"	16,094	Ft
633E0019	Cold Applied Plastic Pavement Marking, 4" with Contrast Border	2,155	Ft
633E0025	Cold Applied Plastic Pavement Marking, 12"	1,923	Ft
633E0225	Preformed Thermoplastic Pavement Marking, 24"	24	Ft
633E0235	Preformed Thermoplastic Pavement Marking, Arrow	5	Each
633E5000	Grooving for Cold Applied Plastic Pavement Marking, 4"	12,407	Ft
633E5004	Grooving for Cold Applied Plastic Pavement Marking, 4" with Contrast Border	1,305	Ft
633E5010	Grooving for Cold Applied Plastic Pavement Marking, 12"	1,746	Ft
633E5015	Grooving for Cold Applied Plastic Pavement Marking, 24"	24	Ft
633E5025	Grooving for Cold Applied Plastic Pavement Marking, Arrow	5	Each
633E5050	Surface Preparation for Pavement Marking	5,068	Ft
634E0560	Remove Pavement Marking, 4" or Equivalent	8,288	Ft

COLD APPLIED PLASTIC PAVEMENT MARKING

All materials will be applied as per the manufacturer's recommendations.

Cold Applied Plastic Pavement Markings will be 3M Series 380 AW or an approved equal

PREFORMED THERMOPLASTIC PAVEMENT MARKING

General

- Made of prefabricated retroreflective, resilient thermoplastic material;
- Contains glass beads uniformly distributed through the entire cross-sectional area;
- Capable of being affixed to bituminous or concrete pavement by heating;
- Resistant to deterioration due to exposure to sunlight, water, salt, and adverse weather conditions;
- Under traffic wear, shows no appreciable fading in accordance with the color requirements, lifting, or shrinkage throughout the life of the marking;
- Capable of conforming to pavement contours, breaks, and faults through the action of traffic at normal pavement temperatures;
- Possesses resealing characteristics, such that it is capable of fusing with itself and previous thermoplastic markings when heated; and
- Protected during shipment and in storage.

Apply the preformed thermoplastic pavement marking as recommended by the manufacturer to provide a neat, durable marking that will not flow, distort, or crack due to temperature if the pavement surface remains stable. Use equipment and application methods specified by the manufacturer. Primer as required by the manufacturer will be provided with the material.

Application of the markings will include the use of any manufacturer recommended sealers. Sealers may be required on concrete pavements, inside grooves, or on older asphalt pavements. Prior to placing any markings on new concrete, the Contractor will remove any curing compounds. Removal will be by sandblasting or other standard industry methods.

Any required primers or sealers will be included in the contract unit price for the various preformed thermoplastic pavement marking items.

Provide precut messages and symbols meeting the requirements of the MUTCD and the Standard Signs Manual in custom kits. Use separate pieces or segments to form individual letters or symbols only to the extent supplied by the manufacturer. Provide shapes, sizes, and colors as required by the contract.

Color

- Will meet the color specification limits and luminance factors for Cold Applied Plastic Pavement Marking and Legends (Section 983.2 D, Tables 1 and 2).

Glass Beads

- Ensure the preformed thermoplastic pavement marking contains a minimum 30% intermixed glass beads by weight and a minimum 80% true spheres.
- Ensure preformed thermoplastic pavement markings contain only clear beads.

FOR BIDDING PURPOSES ONLY

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Skid Resistance

- Ensure the surface of the preformed thermoplastic pavement marking provides a skid resistance value of at least 45 British Pendulum Number (BPN) when tested in accordance with ASTM E303.

Retroreflectivity

- Provide preformed thermoplastic pavement marking meeting the minimum initial pavement marking retroreflectivity values using 30 m geometry and meeting the testing procedures of ASTM E1710:

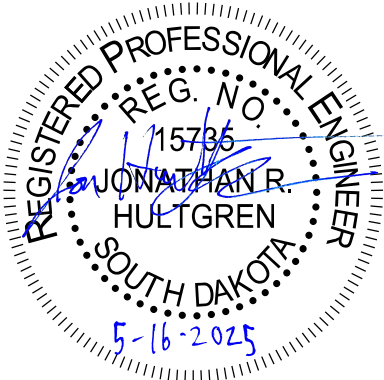
Minimum Initial Pavement Marking Retroreflectivity		
	White	Yellow
Thermoplastic	400 mcd/sq. ft./ft.	250 mcd/sq. ft./ft.
Thermoplastic, enhanced skid resistance (ESR)	250 d/sq. ft./ft.	150 d/sq. ft./ft.

Thickness

- A longitudinal marking is a minimum 90 mils thick at the edges, and a maximum 125 mils thick at the center of the stripe.
- Transverse markings and symbols are a minimum 125 mils thick at the edges, and a maximum 160 mils thick at the center.

Sample

- Prior to application, the Contractor will provide a sample of the preformed thermoplastic pavement marking to be used on the project to the Region Traffic Engineer for inspection and approval.
- Do not begin application of the preformed thermoplastic pavement marking prior to obtaining the Region Traffic Engineer's approval of the preformed thermoplastic pavement marking material. The Region
- marking does not void other preformed thermoplastic pavement marking requirements specified.



GROOVING FOR COLD APPLIED PLASTIC PAVEMENT MARKING

The Contractor will establish a positive means for the removal of the grinding and/or grooving residue. Residue from dry grooving will be vacuumed. Solid residue will be removed from the pavement surfaces before being blown by traffic action or wind. The Contractor will conduct this work to control and minimize airborne dust and similar debris that may become a hazard to motor vehicle operation or nuisance to property owners. Residue from wet grooving will not be permitted to flow across lanes being used by public traffic or into gutter or drainage facilities. Residue, whether in solid or slurry form, will be disposed of in a manner that will prevent it from reaching any waterway in a concentrated state. The cleaning of the residue for grooving will be to the satisfaction of the Engineer and may require more than one pass to adequately remove material. All costs for removal of grinding and/or grooving residue will be included in the contract unit price per foot, square foot, each, or word for "Grooving for Cold Applied Plastic Pavement Marking" contract items.

GROOVING FOR PREFORMED THERMOPLASTIC PAVEMENT MARKING

Grooving for Preformed Thermoplastic Pavement Markings will follow the requirements for Grooving for Cold Applied Plastic Pavement Markings. No grooving will be allowed for the Preformed Thermoplastic Pavement Markings that are to be installed on bridge decks and approach slabs. All costs for removal of grinding and/or grooving residue will be included in the contract unit price per foot, square foot, each, or word for "Grooving for Cold Applied Plastic Pavement Marking" contract items.

REMOVE PAVEMENT MARKING, 4" OR EQUIVALENT

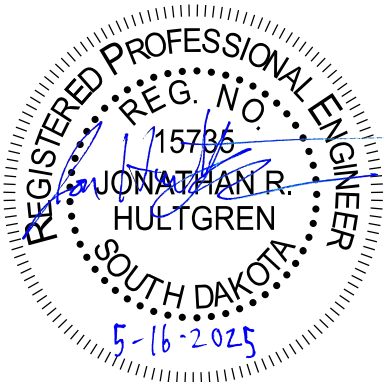
Markings that fall outside of the new groove will be obliterated using additional methods approved by the Engineer. Removal of the existing markings will be accomplished without causing damage to the pavement, pavement joints, or joint sealant. The Contractor will repair any damage to the pavement, pavement joints, or joint sealant for no additional payment and at no cost to the State. All costs for materials, labor, and equipment necessary to remove the existing markings will be incidental to the contract unit price per foot for "Remove Pavement Marking, 4" or Equivalent".

TABLE OF REMOVE PAVEMENT MARKING, 4" OR EQUIVALENT

TABLE OF REMOVE PAVEMENT MARKINGS						
Location	4" White	4" Yellow	8" White	12" White	24" White	Arrow
	(Ft)	(Ft)	(Ft)	(Ft)	(Ft)	(Each)
EM 0292(88)73 - PCN 06JQ (I-29 / 85th Street Interchange)						
NB I-29 Sta. 36+92 to Sta. 50+85	1,691					
NB I-29 Sta. 31+05 to Sta. 78+88	1,200					
NB I-29 Sta. 75+02 to Sta. 108+27	3,308					
NB I-29 Sta. 95+58 to Sta. 106+06			1,049			
NB I-29 Sta. 95+58 to Sta. 108+20			1,262			
SB I-29 Sta. 30+28 to Sta. 77+55	1,170					
SB I-29 Sta. 30+28 to Sta. 51+32	2,104					
SB I-29 Sta. 93+69 to Sta. 106+06	1,239					
SB I-29 Sta. 99+70 to Sta. 105+78					188	
I-229 Ramp C Sta. 19+90 to Sta. 30+07	1,007					
I-229 Ramp C Sta. 31+56						1
*Westbound 85th Street, west of Tallgrass Avenue	610				617	
Total	12,329	0	2,311	0	805	1
4" Equivalent Total	12,329	0	4,622	0	4,830	
EM 0292(88)73 - PCN 06JQ 4" Equivalent Grand Total	21,781					
IM 2292(104)0 - PCN 07D0 (I-229 Auxiliary Lane and Louise Ramp)						
I-229 Ramp B	2,284	2,305				
NB I-229	2,793			679		
Total	5,077	2,305	0	302	0	0
4" Equivalent Total	5,077	2,305	0	906	0	
IM 2292(104)0 - PCN 07D0 4" Equivalent Grand Total	8,288					
* The existing pavement markings to be removed on Westbound 85th Street, west of Tallgrass Avenue, are paint.						

FOR BIDDING PURPOSES ONLY

 Plotting Date: 4/29/2025	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	M3	M31



SURFACE PREPARATION FOR PAVEMENT MARKING

The Contractor will prepare the pavement surface prior to applying the durable pavement marking in accordance with the following.

In areas where the existing groove meets the required depth and existing markings are still in place, the Contractor will clean the existing groove without adding additional depth beyond the required depth for the new pavement marking, including reflective media as noted below.

Description	Specification	Tolerance
Depth of Groove	Marking Thickness ¹ + 15 mils	+ 5 mils

¹ Marking thickness will include the thickness of marking material and reflective media.

The cleaning will result in the existing pavement marking being adequately scuffed, abraded, and removed by light grinding or abrasive blasting or both to allow proper adhesion of the new durable pavement marking as per the manufacturer's recommendations to comply with product warranties.

Existing grooves not meeting the required depth will be re-grooved to the required depth for the new pavement marking, including reflective media. Equipment for grooving will be capable of the following:

- Grooving the total width of the groove in one pass or uniform depths with multiple passes.
- Grooving without causing damage to the pavement joints or joint sealant material.
- Provide uniform alignment and depth.
- Moving continuously to permit a mobile traffic work operation.

All costs associated with cleaning of the existing groove, including re-grooving, if needed, will be included in the contract unit price per foot for "Surface Preparation for Pavement Marking". Surface preparation will be measured as 4" equivalent.

TABLE OF SURFACE PREPARATION FOR PAVEMENT MARKING FOR BIDDING PURPOSES ONLY

TABLE OF SURFACE PREPARATION FOR PAVEMENT MARKING				
Location	4" White	4" Yellow	12" White	24" White
	(Ft)	(Ft)	(Ft)	(Ft)
EM 0292(88)73 - PCN 06JQ (I-29 / 85th Street Interchange)				
NB I-29 Sta. 31+08 to Sta. 108+84		7,770		
NB I-29 Sta. 31+08 to Sta. 108+84	1,940			
NB I-29 Sta. 31+08 to Sta. 36+92	584			
NB I-29 Sta. 50+84 to Sta. 75+02	2,420			
NB I-29 Sta. 79+26 to Sta. 95+57	405			
NB I-29 Sta. 106+06 to Sta. 108+83			277	
SB I-29 Sta. 30+26 to Sta. 106+06		7,587		
SB I-29 Sta. 30+26 to Sta. 106+06	1,900			
SB I-29 Sta. 51+32 to Sta. 76+58	2,526			
SB I-29 Sta. 77+00 to Sta. 81+60			460	
SB I-29 Sta. 80+90 to Sta. 91+84				290
SB I-29 Sta. 81+60 to Sta. 93+69	1,221			
I-229 Ramp C Sta. 9+00 to Sta. 14+08			465	
I-229 Ramp C Sta. 9+00 to Sta. 19+90	2,260			
I-229 Ramp C Sta. 14+08 to Sta. 31+74		1,752		
I-229 Ramp C Sta. 30+07 to Sta. 31+74	168			
Total	13,424	17,109	1,202	290
4" Equivalent Total	13,424	17,109	3,606	1,740
EM 0292(88)73 - PCN 06JQ 4" Equivalent Grand Total	35,879			
IM 2292(104)0 - PCN 07D0 (I-229 Auxiliary Lane and Louise Ramp)				
NB I-229 Sta. 149+78 to Sta. 186+63		3,687		
NB I-229 Sta. 149+78 to Sta. 151+55			177	
NB I-229 Sta. 152+77 to Sta. 186+63	850			
Total	850	3,687	177	0
4" Equivalent Total	850	3,687	531	0
IM 2292(104)0 - PCN 07D0 4" Equivalent Grand Total	5,068			



PROJECT	SHEET	TOTAL SHEETS
EM 0292(88)73 IM 2292(104)0	M4	M31

Plotting Date: 4/29/2025

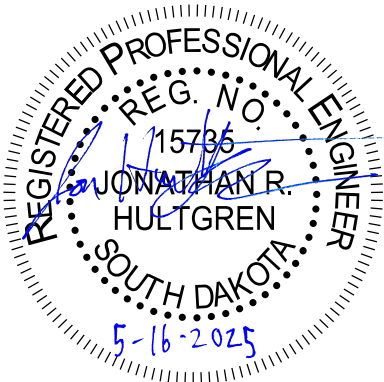
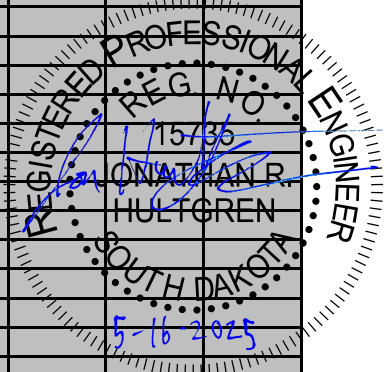


TABLE OF PAVEMENT MARKINGS																											
Location		Cold Applied Plastic Markings								Preformed Thermoplastic Markings										Paint Markings							
		4W	4Y	4WC	8WC	12W	24W	White Turn Arrow	White Lane Reduction Arrow	4WT	4YT	4WCT	8WT	12WT	24WT	Blue Area	White Area	White Turn Arrow	White Thru Arrow	4WP	4YP	24WP	24YP				
From	To	(Ft)	(Ft)	(Ft)	(Ft)	(Ft)	(Ft)	(Each)	(Each)	(Ft)	(Ft)	(Ft)	(Ft)	(Ft)	(Ft)	(SqFt)	(SqFt)	(Each)	(Each)	(Ft)	(Ft)	(Ft)	(Ft)				
EM 0292(88)73 - PCN 06JQ (I-29 / 85th Street Interchange)																											
85th Street																											
west end	W 3/4 Access Entrances			461	335		45	6												719	320	74	68				
West Side 3/4 Access Entrance Intersection								2				28			256												
W 3/4 Access Entrances	I-29 SB Ramps			556	329		45	6																			
I-29 SB Ramps Intersection											540	1,653			146	90		3	5								
I-29 SB Ramps	I-29 NB Ramps										638	762				90											
I-29 NB Ramps Intersection											532	1,462			108			3	4								
I-29 NB Ramps	E 3/4 Access Entrances			582	390		45	6																			
East Side 3/4 Access Entrance Intersection								2				26			248												
E 3/4 Access Entrances	Tallgrass Avenue			862	1,055		107	6																			
NB I-29																											
south end	I-29 Ramp B	1,140		255		253																					
I-29 Ramp A	I-229 Auxiliary Lane	2,831		1,295		268																					
Mainline NB I-29 Removal/Surface Preparation																											
Sta. 31+08 ²	Sta. 108+84 ²	3,004	7,770	1,940		277																					
Sta. 31+08	Sta. 79+00			1,200																							
SB I-29																											
south end	I-29 Ramp C	1,848		430		255																					
I-29 Ramp D	north end	630		160		608																					
Mainline SB I-29 Removal/Surface Preparation																											
Sta. 30+28 ²	Sta. 106+06 ²	3,702	7,587	1,900		461	290																				
Sta. 30+28	Sta. 77+00			1,170																							
I-29 Ramp A		1,933	1,155			254				32	186		468		39												
I-29 Ramp B		963	712			253				774	632				22			5									
I-29 Ramp C		1,356	1,105			256				30	196																
I-29 Ramp D		3,126	2,487	205		489				795	811			64	21			10									
I-29 Ramp D Conn		2,376	1,110	50		280																					
I-29 Ramp E										82		77			24		15										
I-29 Ramp F												140			43			1									
I-29 Ramp G										65		77			24		15										
I-29 Ramp H										150			182	64	70			2									
I-229 Ramp C		283		150		865		2																			
I-229 Ramp C Removal/Surface Preparation ²		1,296	1,752			465																					
EM 0292(88)73 - PCN 06JQ Totals		24,488	23,678	11,216	2,109	4,984	532	28	2	1,928	3,535	4,225	650	128	1,001	180	30	24	9	719	320	74	68				
EM 0292(88)73 - PCN 06JQ Grand Totals		48,166		11,216	2,109	4,984	532	30		5,463		4,225	650	128	1,001	210		33		1,039		142					
IM 2292(104)0 - PCN 07D0 (I-229 Auxiliary Lane and Louise Ramp)																											
I-229 Ramp B		2,697	1,858	630		720																					
Northbound I-229		2,828		675		679																					
Mainline Northbound I-229 ²			3,687	850		177																					
I-229 Ramp C Louise		2,839	2,185			347								24				5									
IM 2292(104)0 - PCN 07D0 Totals		8,364	7,730	2,155	0	1,923	0	0	0	0	0	0	0	0	24	0	0	5	0	0	0	0	0				
IM 2292(104)0 - PCN 07D0 Grand Totals		16,094		2,155	0	1,923	0	0	0	0	0	0	0	0	24	0		5		0	0	0	0				
		Pavement Grooving (for Cold Applied Plastic Markings)								Pavement Grooving (for Preformed Thermoplastic Markings) ¹								Paint Grooving									
		4W	4Y	4WC	8WC	12W	24W	Arrows		4WT	4YT	4WCT	8WT	12WT	24WT	Area		Arrows		4WP	4YP	24WP	24YP				
		(Ft)	(Ft)	(Ft)	(Ft)	(Ft)	(Ft)	(Each)	(Each)	(Ft)	(Ft)	(Ft)	(Ft)	(Ft)	(Ft)	(SqFt)		(Each)		(Each)	(Ft)	(Ft)	(Ft)	(Ft)			
		EM 0292(88)73 - PCN 06JQ (I-29 / 85th Street Interchange)																									
EM 0292(88)73 - PCN 06JQ Totals		16,486	6,569	7,376	2,109	3,781	242	28	2	1,928	3,535	4,225	650	128	1,001	210		24		9		0	0	0	0		
EM 0292(88)73 - PCN 06JQ Grand Totals		28,518		11,601	2,109	3,909	1,243	63		See Note 1										0		0		0		0	
		IM 2292(104)0 - PCN 07D0 (I-229 Auxiliary Lane and Louise Ramp)																									
IM 2292(104)0 - PCN 07D0 Totals		8,364	4,043	1,305	0	1,746	0	0	0	0	0	0	0	0	24	0		5		0		0	0	0	0		
IM 2292(104)0 - PCN 07D0 Grand Totals		12,407		1,305	0	1,746	24	5		See Note 1										0		0		0		0	
¹ All costs for pavement grooving for Preformed Thermoplastic Pavement Markings will be included in the contract unit price per foot, square foot, or each for "Grooving for Cold Applied Plastic Pavement Marking" contract items.																											
² Pavement markings prepared with Surface Preparation for Pavement Markings are excluded from the Pavement Grooving bid items.																											



PAVEMENT MARKING LAYOUT
85TH STREET

FOR BIDDING PURPOSES ONLY

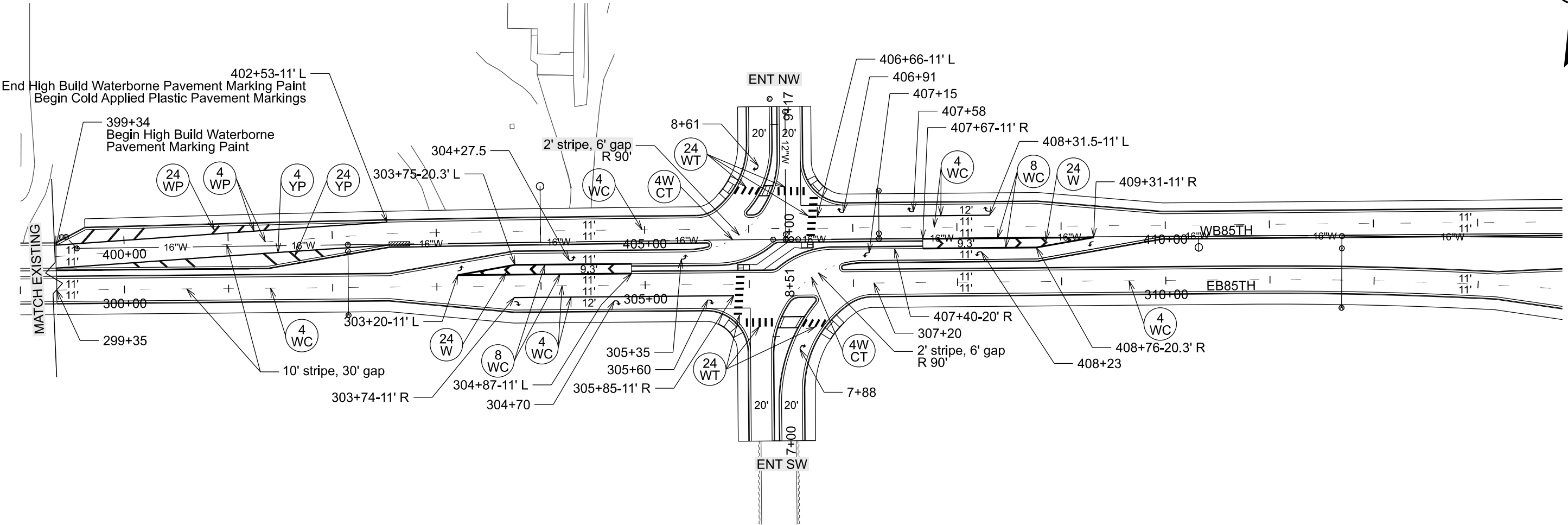


Plotting Date: 7/21/2025

PROJECT
EM 0292(88)73 IM 2292(104)0

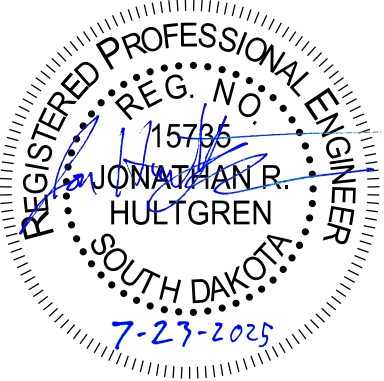
SHEET	TOTAL SHEETS
M6	M31

Revised Date: 7/21/2025
Initials: NBG



PAVEMENT MARKING LEGEND

(4 W) or (4 Y)	Cold Applied Plastic Pavement Marking, 4" White or Yellow	(4 YT)	Preformed Thermoplastic Pavement Marking, 4" Yellow	(4 WP) or (24 WP)	High Build Waterborne Pavement Marking Paint, 4" White or 24" White
(12 W)	Cold Applied Plastic Pavement Marking, 12" White	(24 WT)	Preformed Thermoplastic Pavement Marking, 24" White	(4 YP) or (24 YP)	High Build Waterborne Pavement Marking Paint, 4" Yellow or 24" Yellow
(24 W)	Cold Applied Plastic Pavement Marking, 24" White	(4W CT)	Preformed Thermoplastic Pavement Marking, 4" White with Contrast Border	↩ ↪	Cold Applied Plastic Pavement Marking, Arrow
(4 WC)	Cold Applied Plastic Pavement Marking, 4" White with Contrast Border	(8W CT)	Preformed Thermoplastic Pavement Marking, 8" White with Contrast Border	➔	Cold Applied Plastic Pavement Marking, Lane Reduction Arrow
(8 WC)	Cold Applied Plastic Pavement Marking, 8" White with Contrast Border	(WA T) or (BA T)	Preformed Thermoplastic Pavement Marking, Area, White or Blue	⤴ ⤵ ⤶ ⤷	Preformed Thermoplastic Pavement Marking, Arrow

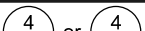
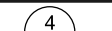
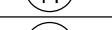
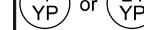
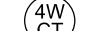
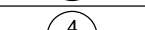


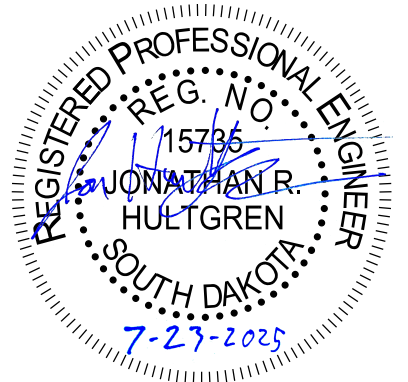
FOR BIDDING PURPOSES ONLY



Revised Date: 7/21/2025
initials: NBG



PAVEMENT MARKING LEGEND					
	Cold Applied Plastic Pavement Marking, 4" White or Yellow		Preformed Thermoplastic Pavement Marking, 4" Yellow		High Build Waterborne Pavement Marking Paint, 4" White or 24" White
	Cold Applied Plastic Pavement Marking, 12" White		Preformed Thermoplastic Pavement Marking, 24" White		High Build Waterborne Pavement Marking Paint, 4" Yellow or 24" Yellow
	Cold Applied Plastic Pavement Marking, 24" White		Preformed Thermoplastic Pavement Marking, 4" White with Contrast Border		Cold Applied Plastic Pavement Marking, Arrow
	Cold Applied Plastic Pavement Marking, 4" White with Contrast Border		Preformed Thermoplastic Pavement Marking, 8" White with Contrast Border		Cold Applied Plastic Pavement Marking, Lane Reduction Arrow
	Cold Applied Plastic Pavement Marking, 8" White with Contrast Border		Preformed Thermoplastic Pavement Marking, Area, White or Blue		Preformed Thermoplastic Pavement Marking, Arrow



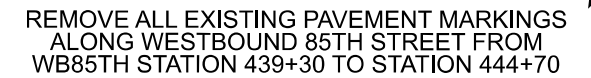
FOR BIDDING PURPOSES ONLY

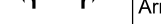


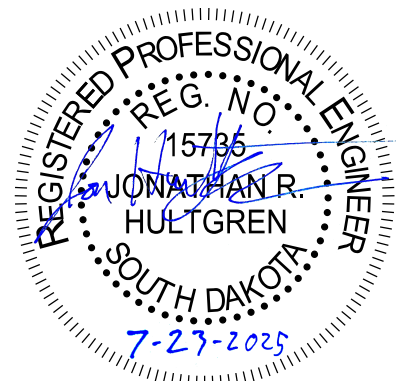
EM 0292(88)73
IM 2292(104)0

M8	M31
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Revised Date: 7/21/2025
Initials: NBG

PAVEMENT MARKING LEGEND

PAVEMENT MARKING LEGEND					
 or 	Cold Applied Plastic Pavement Marking, 4" White or Yellow		Preformed Thermoplastic Pavement Marking, 4" Yellow	 or 	High Build Waterborne Pavement Marking Paint, 4" White or 24" White
	Cold Applied Plastic Pavement Marking, 12" White		Preformed Thermoplastic Pavement Marking, 24" White	 or 	High Build Waterborne Pavement Marking Paint, 4" Yellow or 24" Yellow
	Cold Applied Plastic Pavement Marking, 24" White		Preformed Thermoplastic Pavement Marking, 4" White with Contrast Border		Cold Applied Plastic Pavement Marking, Arrow
	Cold Applied Plastic Pavement Marking, 4" White with Contrast Border		Preformed Thermoplastic Pavement Marking, 8" White with Contrast Border		Cold Applied Plastic Pavement Marking, Lane Reduction Arrow
	Cold Applied Plastic Pavement Marking, 8" White with Contrast Border	 or 	Preformed Thermoplastic Pavement Marking, Area, White or Blue		Preformed Thermoplastic Pavement Marking, Arrow



PAVEMENT MARKING LAYOUT

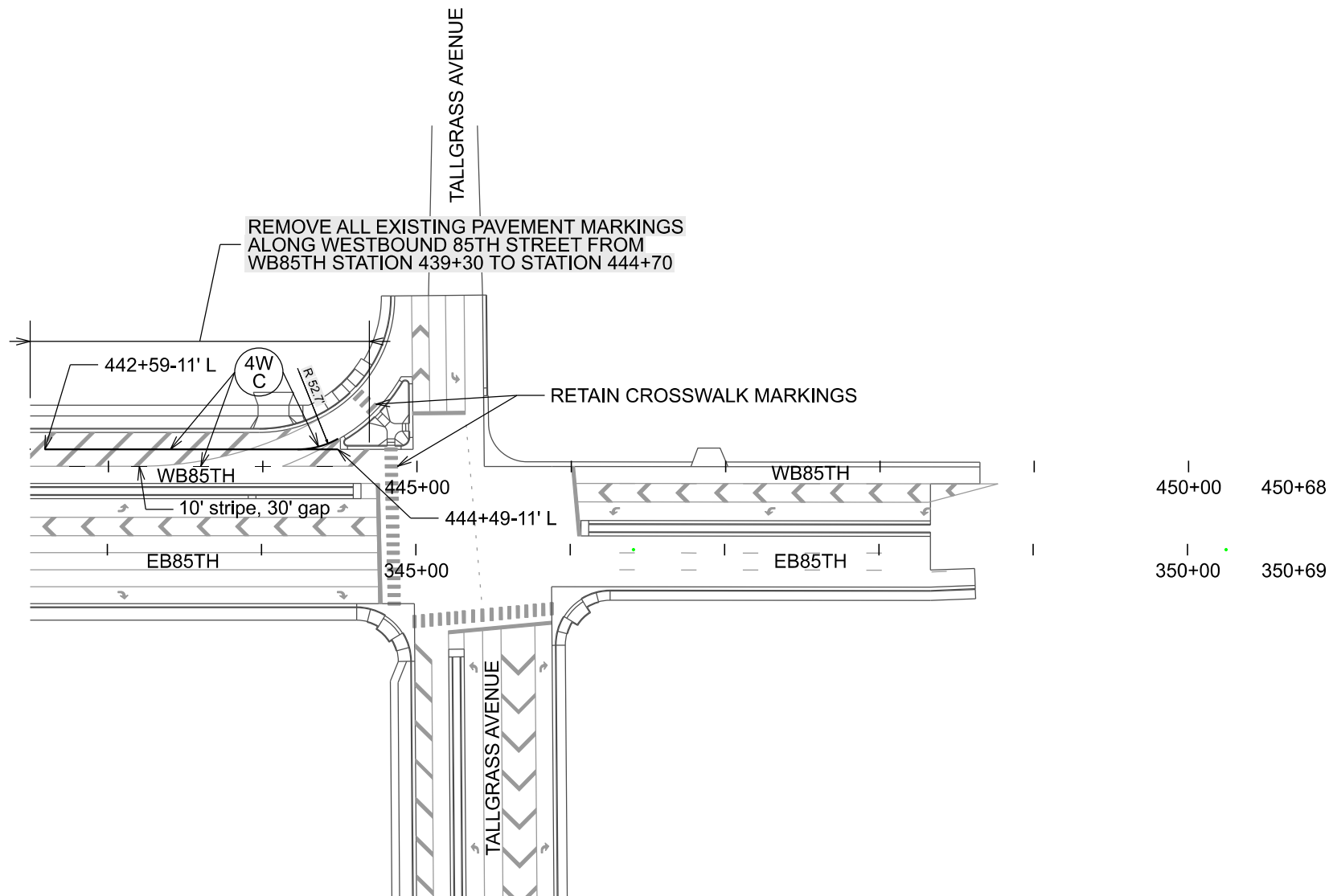
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FOR BIDDING PURPOSES ONLY



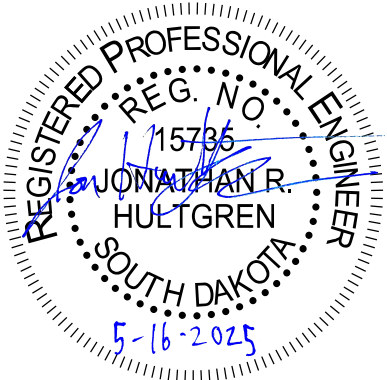
Plotting Date: 4/30/2025

PROJECT	SHEET	TOTAL SHEETS
EM 0292(88)73 IM 2292(104)0	M9	M31



PAVEMENT MARKING LEGEND

	Cold Applied Plastic Pavement Marking, 4" White or Yellow		Preformed Thermoplastic Pavement Marking, 4" Yellow		High Build Waterborne Pavement Marking Paint, 4" White or 24" White
	Cold Applied Plastic Pavement Marking, 12" White		Preformed Thermoplastic Pavement Marking, 24" White		High Build Waterborne Pavement Marking Paint, 4" Yellow or 24" Yellow
	Cold Applied Plastic Pavement Marking, 24" White		Preformed Thermoplastic Pavement Marking, 4" White with Contrast Border		Cold Applied Plastic Pavement Marking, Arrow
	Cold Applied Plastic Pavement Marking, 4" White with Contrast Border		Preformed Thermoplastic Pavement Marking, 8" White with Contrast Border		Cold Applied Plastic Pavement Marking, Lane Reduction Arrow
	Cold Applied Plastic Pavement Marking, 8" White with Contrast Border		Preformed Thermoplastic Pavement Marking, Area, White or Blue		Preformed Thermoplastic Pavement Marking, Arrow



PAVEMENT MARKING LAYOUT

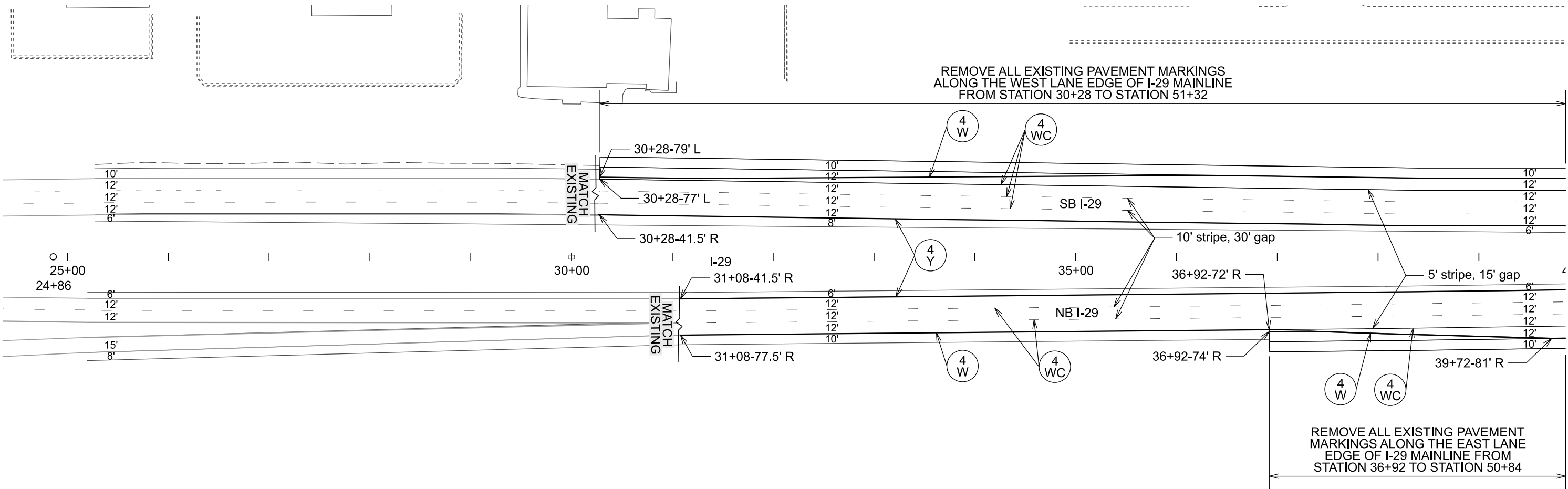
I-29 RAMPS B / C

FOR BIDDING PURPOSES ONLY



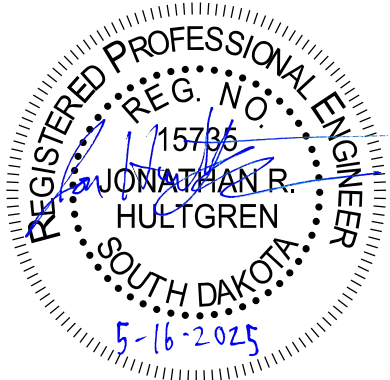
Plotting Date: 4/30/2025

PROJECT	SHEET	TOTAL SHEETS
EM 0292(88)73 IM 2292(104)0	M10	M31



PAVEMENT MARKING LEGEND

(4 W) or (4 Y)	Cold Applied Plastic Pavement Marking, 4" White or Yellow	(4 YT)	Preformed Thermoplastic Pavement Marking, 4" Yellow	(4 WP) or (24 WP)	High Build Waterborne Pavement Marking Paint, 4" White or 24" White
(12 W)	Cold Applied Plastic Pavement Marking, 12" White	(24 WT)	Preformed Thermoplastic Pavement Marking, 24" White	(4 YP) or (24 YP)	High Build Waterborne Pavement Marking Paint, 4" Yellow or 24" Yellow
(24 W)	Cold Applied Plastic Pavement Marking, 24" White	(4W CT)	Preformed Thermoplastic Pavement Marking, 4" White with Contrast Border	↩ ↪	Cold Applied Plastic Pavement Marking, Arrow
(4 WC)	Cold Applied Plastic Pavement Marking, 4" White with Contrast Border	(8W CT)	Preformed Thermoplastic Pavement Marking, 8" White with Contrast Border	➔	Cold Applied Plastic Pavement Marking, Lane Reduction Arrow
(8 WC)	Cold Applied Plastic Pavement Marking, 8" White with Contrast Border	(WA T) or (BA T)	Preformed Thermoplastic Pavement Marking, Area, White or Blue	Ⓢ Ⓣ Ⓡ	Preformed Thermoplastic Pavement Marking, Arrow



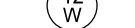
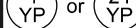
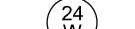
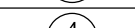
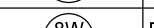
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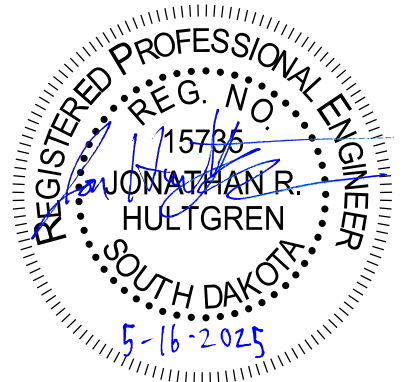


PROJECT
EM 0292(88)73
IM 2292(104)0

SHEET	TOTAL SHEETS
M11	M31



PAVEMENT MARKING LEGEND					
	Cold Applied Plastic Pavement Marking, 4" White or Yellow		Preformed Thermoplastic Pavement Marking, 4" Yellow		High Build Waterborne Pavement Marking Paint, 4" White or 24" White
	Cold Applied Plastic Pavement Marking, 12" White		Preformed Thermoplastic Pavement Marking, 24" White		High Build Waterborne Pavement Marking Paint, 4" Yellow or 24" Yellow
	Cold Applied Plastic Pavement Marking, 24" White		Preformed Thermoplastic Pavement Marking, 4" White with Contrast Border		Cold Applied Plastic Pavement Marking, Arrow
	Cold Applied Plastic Pavement Marking, 4" White with Contrast Border		Preformed Thermoplastic Pavement Marking, 8" White with Contrast Border		Cold Applied Plastic Pavement Marking, Lane Reduction Arrow
	Cold Applied Plastic Pavement Marking, 8" White with Contrast Border		Preformed Thermoplastic Pavement Marking, Area, White or Blue		Preformed Thermoplastic Pavement Marking, Arrow



PAVEMENT MARKING LAYOUT

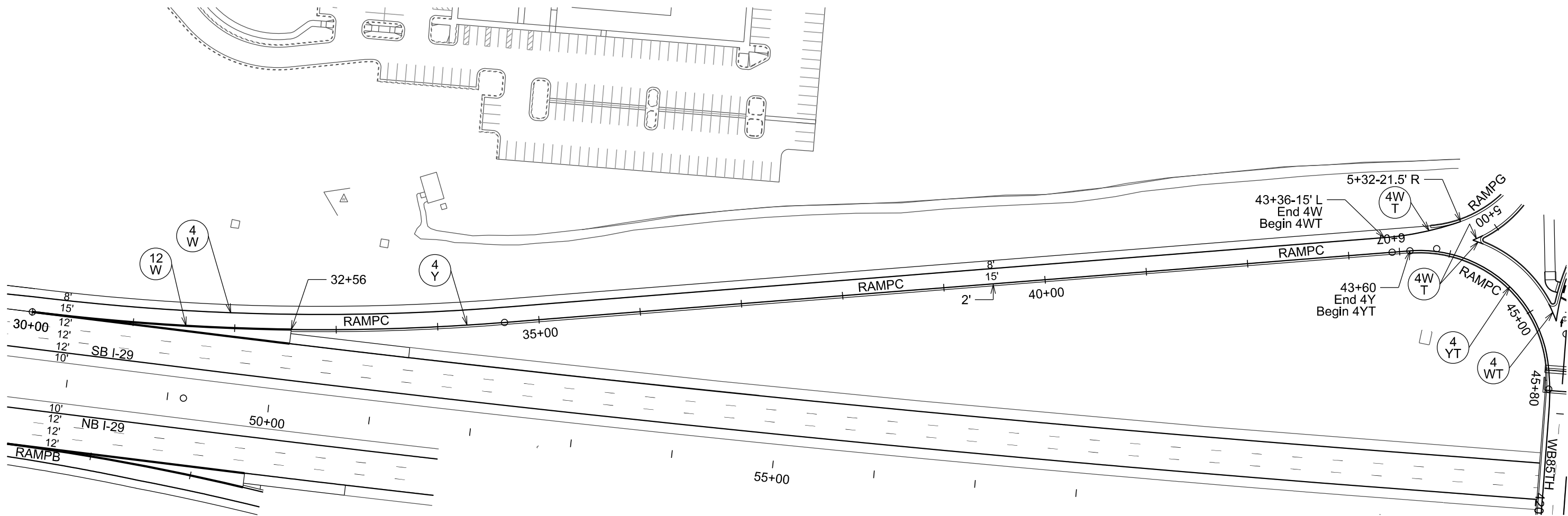
I-29 RAMPS C / G

FOR BIDDING PURPOSES ONLY



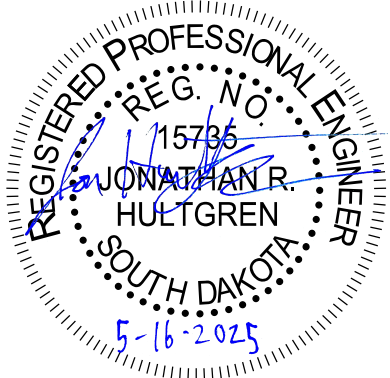
PROJECT	SHEET	TOTAL SHEETS
EM 0292(88)73 IM 2292(104)0	M12	M31

Plotting Date: 4/30/2025



PAVEMENT MARKING LEGEND

	Cold Applied Plastic Pavement Marking, 4" White or Yellow		Preformed Thermoplastic Pavement Marking, 4" Yellow		High Build Waterborne Pavement Marking Paint, 4" White or 24" White
	Cold Applied Plastic Pavement Marking, 12" White		Preformed Thermoplastic Pavement Marking, 24" White		High Build Waterborne Pavement Marking Paint, 4" Yellow or 24" Yellow
	Cold Applied Plastic Pavement Marking, 24" White		Preformed Thermoplastic Pavement Marking, 4" White with Contrast Border		Cold Applied Plastic Pavement Marking, Arrow
	Cold Applied Plastic Pavement Marking, 4" White with Contrast Border		Preformed Thermoplastic Pavement Marking, 8" White with Contrast Border		Cold Applied Plastic Pavement Marking, Lane Reduction Arrow
	Cold Applied Plastic Pavement Marking, 8" White with Contrast Border		Preformed Thermoplastic Pavement Marking, Area, White or Blue		Preformed Thermoplastic Pavement Marking, Arrow

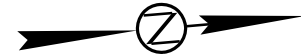


FOR BIDDING PURPOSES ONLY

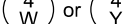
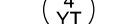
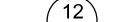
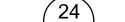


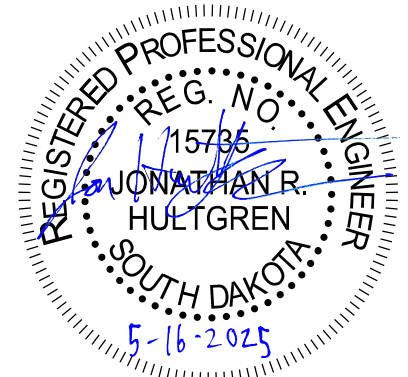
EM 0292(88)73
IM 2292(104)0

SHEET	TOTAL SHEETS
M13	M31



PAVEMENT MARKING LEGEND

	Cold Applied Plastic Pavement Marking, 4" White or Yellow		Preformed Thermoplastic Pavement Marking, 4" Yellow		High Build Waterborne Pavement Marking Paint, 4" White or 24" White
	Cold Applied Plastic Pavement Marking, 12" White		Preformed Thermoplastic Pavement Marking, 24" White		High Build Waterborne Pavement Marking Paint, 4" Yellow or 24" Yellow
	Cold Applied Plastic Pavement Marking, 24" White		Preformed Thermoplastic Pavement Marking, 4" White with Contrast Border		Cold Applied Plastic Pavement Marking, Arrow
	Cold Applied Plastic Pavement Marking, 4" White with Contrast Border		Preformed Thermoplastic Pavement Marking, 8" White with Contrast Border		Cold Applied Plastic Pavement Marking, Lane Reduction Arrow
	Cold Applied Plastic Pavement Marking, 8" White with Contrast Border		Preformed Thermoplastic Pavement Marking, Area, White or Blue		Preformed Thermoplastic Pavement Marking, Arrow



PAVEMENT MARKING LAYOUT

I-29 RAMP D / H

FOR BIDDING PURPOSES ONLY



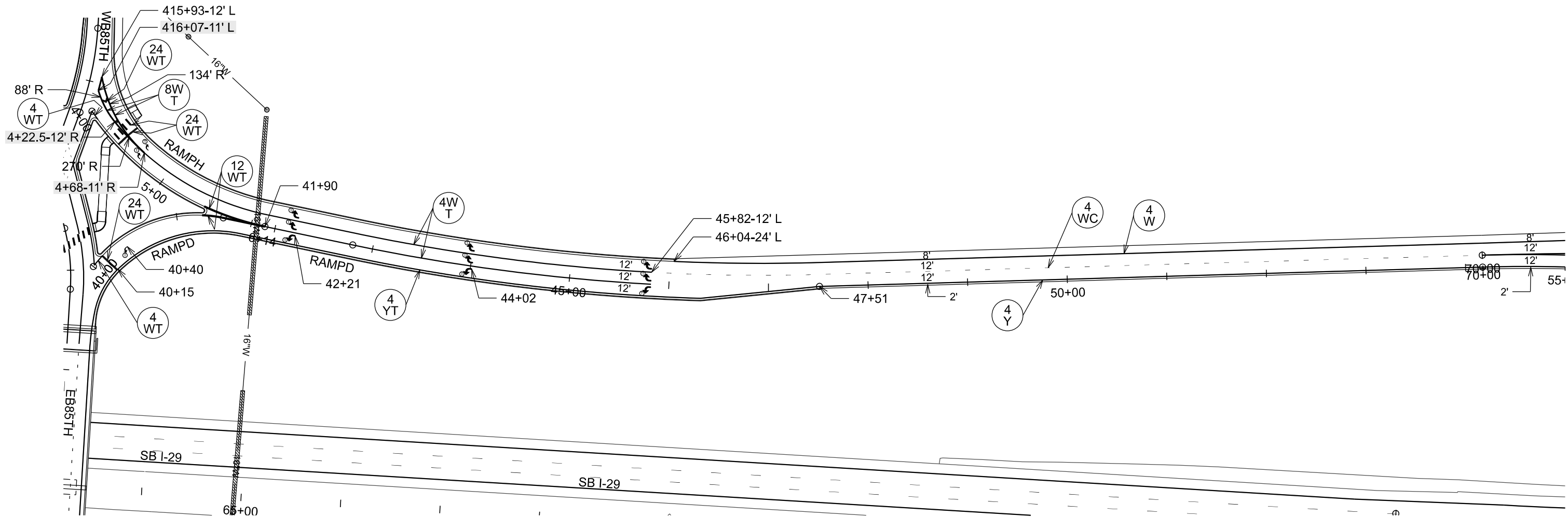
Plotting Date: 7/21/2025

PROJECT
EM 0292(88)73
IM 2292(104)0

SHEET
M14

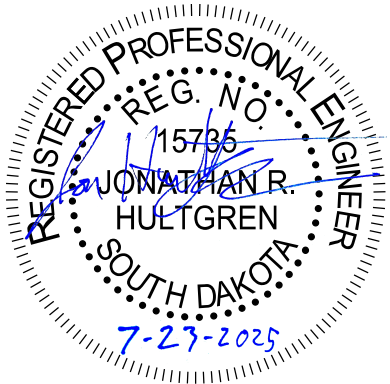
TOTAL
SHEETS
M31

Revised Date: 7/21/2025
Initials: NBG



PAVEMENT MARKING LEGEND

(4 W) or (4 Y)	Cold Applied Plastic Pavement Marking, 4" White or Yellow	(4 YT)	Preformed Thermoplastic Pavement Marking, 4" Yellow	(4 WP) or (24 WP)	High Build Waterborne Pavement Marking Paint, 4" White or 24" White
(12 W)	Cold Applied Plastic Pavement Marking, 12" White	(24 WT)	Preformed Thermoplastic Pavement Marking, 24" White	(4 YP) or (24 YP)	High Build Waterborne Pavement Marking Paint, 4" Yellow or 24" Yellow
(24 W)	Cold Applied Plastic Pavement Marking, 24" White	(4W CT)	Preformed Thermoplastic Pavement Marking, 4" White with Contrast Border	↩ ↪	Cold Applied Plastic Pavement Marking, Arrow
(4 WC)	Cold Applied Plastic Pavement Marking, 4" White with Contrast Border	(8W CT)	Preformed Thermoplastic Pavement Marking, 8" White with Contrast Border	➔	Cold Applied Plastic Pavement Marking, Lane Reduction Arrow
(8 WC)	Cold Applied Plastic Pavement Marking, 8" White with Contrast Border	(WA T) or (BA T)	Preformed Thermoplastic Pavement Marking, Area, White or Blue	⤴ ⤵ ⤶ ⤷	Preformed Thermoplastic Pavement Marking, Arrow



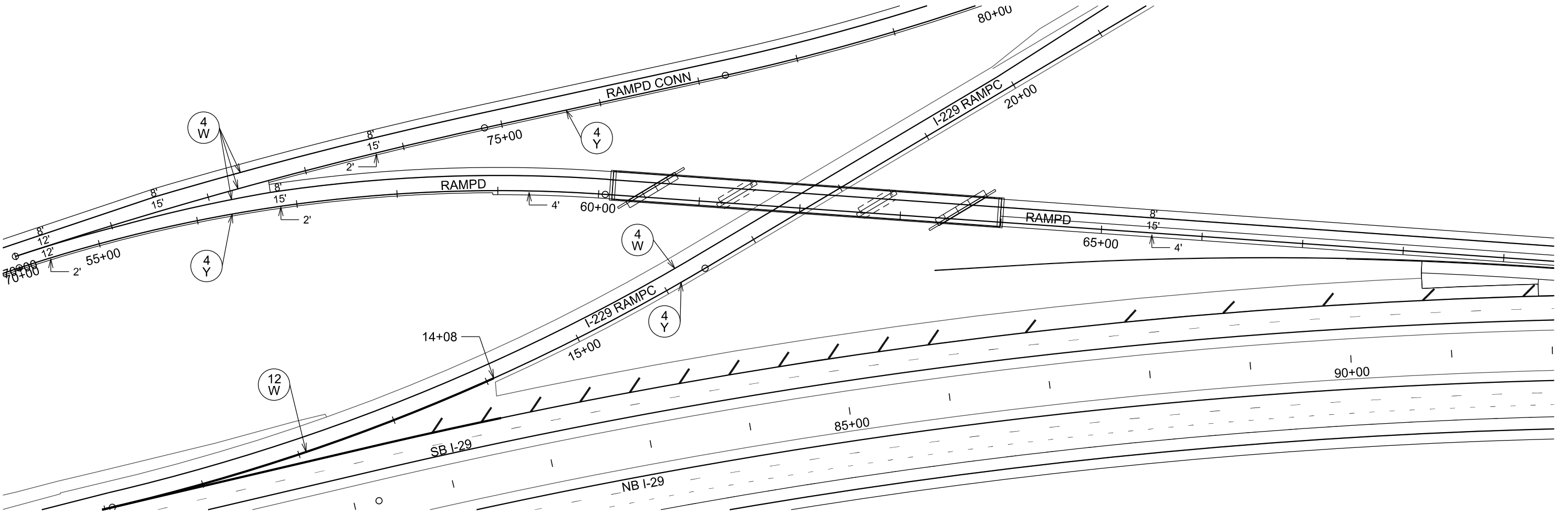
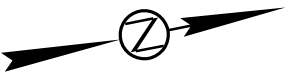
PAVEMENT MARKING LAYOUT
I-29 RAMP D / RAMP D_CONN

FOR BIDDING PURPOSES ONLY



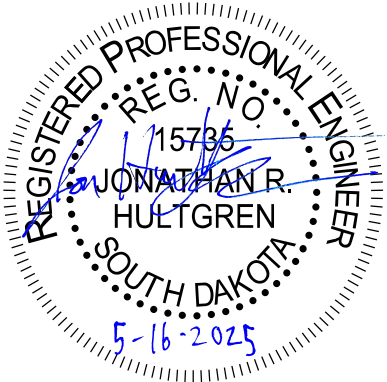
Plotting Date: 4/30/2025

PROJECT	SHEET	TOTAL SHEETS
EM 0292(88)73 IM 2292(104)0	M15	M31



PAVEMENT MARKING LEGEND

(4 W) or (4 Y)	Cold Applied Plastic Pavement Marking, 4" White or Yellow	(4 YT)	Preformed Thermoplastic Pavement Marking, 4" Yellow	(4 WP) or (24 WP)	High Build Waterborne Pavement Marking Paint, 4" White or 24" White
(12 W)	Cold Applied Plastic Pavement Marking, 12" White	(24 WT)	Preformed Thermoplastic Pavement Marking, 24" White	(4 YP) or (24 YP)	High Build Waterborne Pavement Marking Paint, 4" Yellow or 24" Yellow
(24 W)	Cold Applied Plastic Pavement Marking, 24" White	(4W CT)	Preformed Thermoplastic Pavement Marking, 4" White with Contrast Border	↩ ↪	Cold Applied Plastic Pavement Marking, Arrow
(4 WC)	Cold Applied Plastic Pavement Marking, 4" White with Contrast Border	(8W CT)	Preformed Thermoplastic Pavement Marking, 8" White with Contrast Border	➔	Cold Applied Plastic Pavement Marking, Lane Reduction Arrow
(8 WC)	Cold Applied Plastic Pavement Marking, 8" White with Contrast Border	(WA T) or (BA T)	Preformed Thermoplastic Pavement Marking, Area, White or Blue	⤴ ⤵ ⤶ ⤷	Preformed Thermoplastic Pavement Marking, Arrow



PAVEMENT MARKING LAYOUT

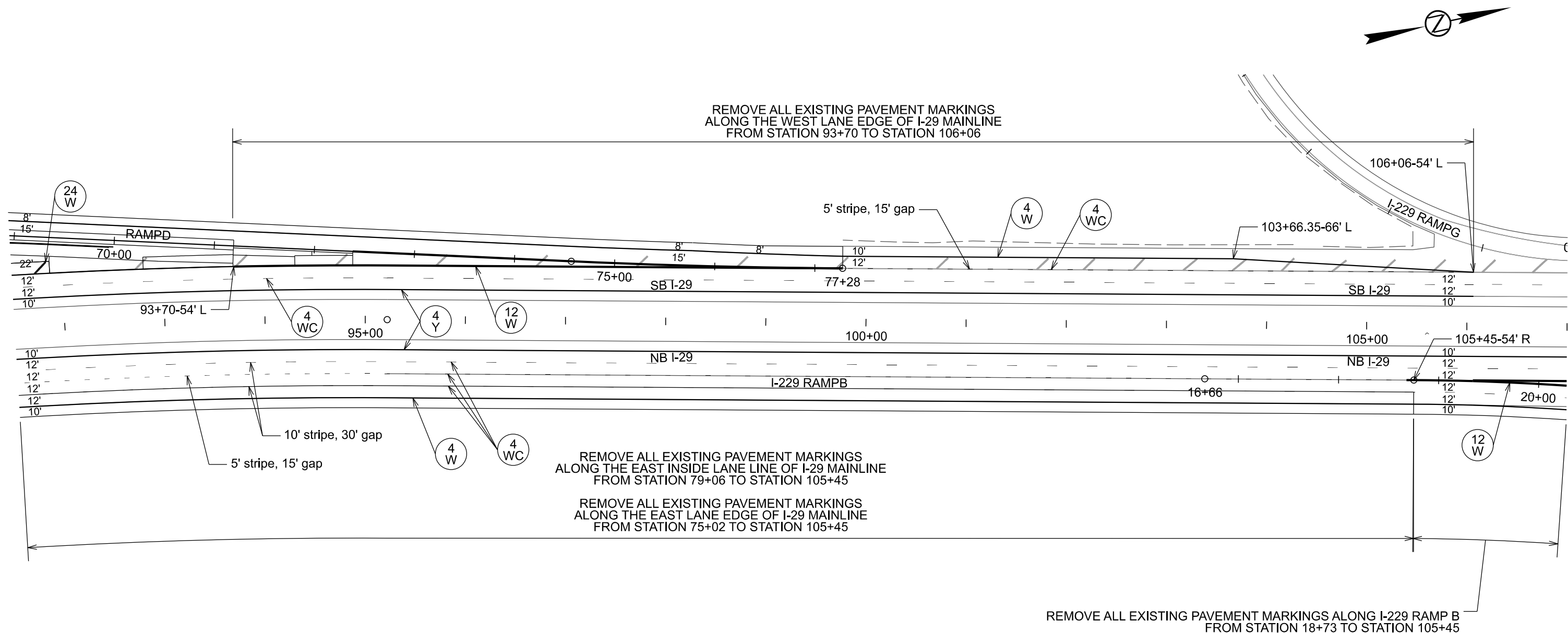
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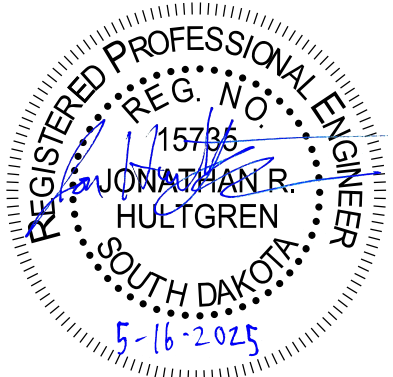
Plotting Date: 4/30/2025

PROJECT	SHEET	TOTAL SHEETS
EM 0292(88)73 IM 2292(104)0	M16	M31



PAVEMENT MARKING LEGEND

	Cold Applied Plastic Pavement Marking, 4" White or Yellow		Preformed Thermoplastic Pavement Marking, 4" Yellow		High Build Waterborne Pavement Marking Paint, 4" White or 24" White
	Cold Applied Plastic Pavement Marking, 12" White		Preformed Thermoplastic Pavement Marking, 24" White		High Build Waterborne Pavement Marking Paint, 4" Yellow or 24" Yellow
	Cold Applied Plastic Pavement Marking, 24" White		Preformed Thermoplastic Pavement Marking, 4" White with Contrast Border		Cold Applied Plastic Pavement Marking, Arrow
	Cold Applied Plastic Pavement Marking, 4" White with Contrast Border		Preformed Thermoplastic Pavement Marking, 8" White with Contrast Border		Cold Applied Plastic Pavement Marking, Lane Reduction Arrow
	Cold Applied Plastic Pavement Marking, 8" White with Contrast Border		Preformed Thermoplastic Pavement Marking, Area, White or Blue		Preformed Thermoplastic Pavement Marking, Arrow



PAVEMENT MARKING LAYOUT

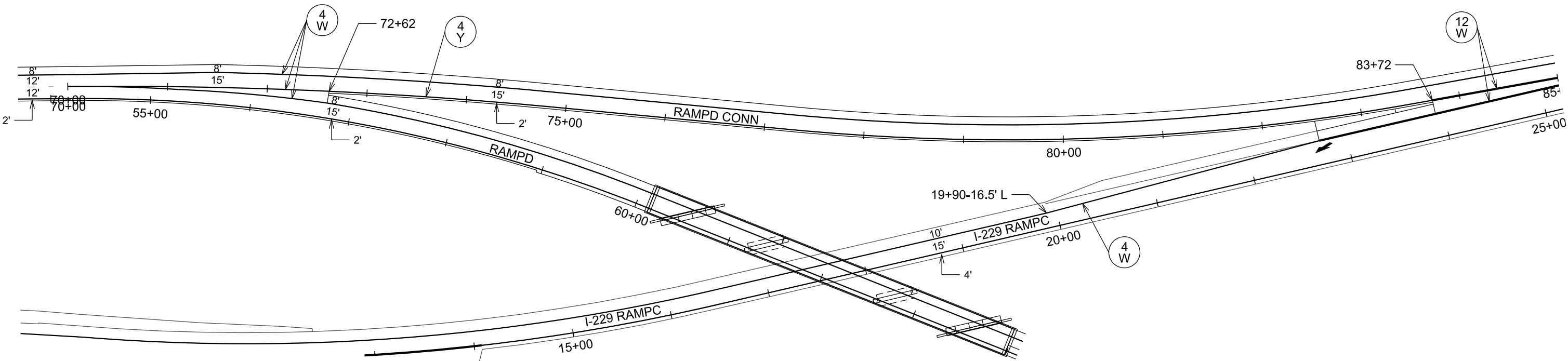
I-29 RAMP D_CONN

FOR BIDDING PURPOSES ONLY



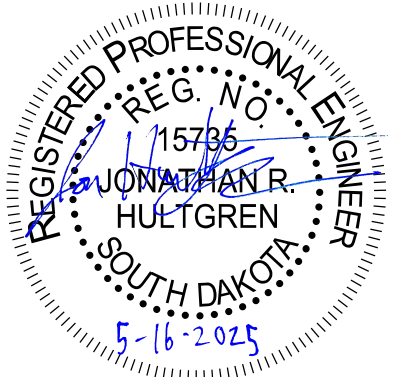
Plotting Date: 4/30/2025

PROJECT	SHEET	TOTAL SHEETS
EM 0292(88)73 IM 2292(104)0	M17	M31



PAVEMENT MARKING LEGEND

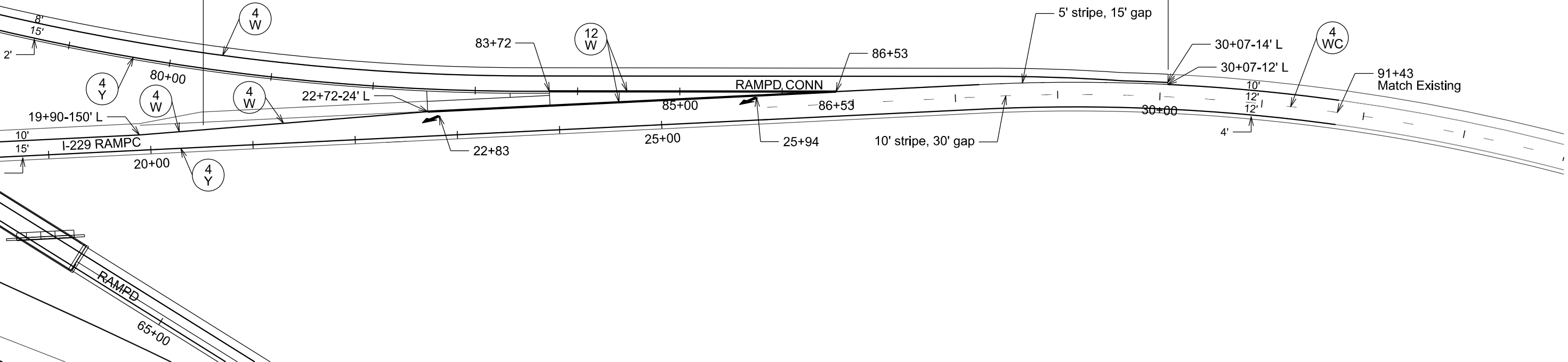
(4 W) or (4 Y)	Cold Applied Plastic Pavement Marking, 4" White or Yellow	(4 YT)	Preformed Thermoplastic Pavement Marking, 4" Yellow	(4 WP) or (24 WP)	High Build Waterborne Pavement Marking Paint, 4" White or 24" White
(12 W)	Cold Applied Plastic Pavement Marking, 12" White	(24 WT)	Preformed Thermoplastic Pavement Marking, 24" White	(4 YP) or (24 YP)	High Build Waterborne Pavement Marking Paint, 4" Yellow or 24" Yellow
(24 W)	Cold Applied Plastic Pavement Marking, 24" White	(4W CT)	Preformed Thermoplastic Pavement Marking, 4" White with Contrast Border	↩ ↪	Cold Applied Plastic Pavement Marking, Arrow
(4 WC)	Cold Applied Plastic Pavement Marking, 4" White with Contrast Border	(8W CT)	Preformed Thermoplastic Pavement Marking, 8" White with Contrast Border	➔	Cold Applied Plastic Pavement Marking, Lane Reduction Arrow
(8 WC)	Cold Applied Plastic Pavement Marking, 8" White with Contrast Border	(WA T) or (BA T)	Preformed Thermoplastic Pavement Marking, Area, White or Blue	⤴ ⤵ ⤶ ⤷	Preformed Thermoplastic Pavement Marking, Arrow



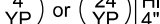
FOR BIDDING PURPOSES ONLY

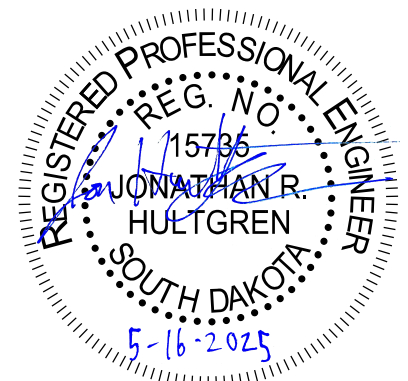


te: 4/30/2025



PAVEMENT MARKING LEGEND

PAVEMENT MARKING LEGEND					
 or 	Cold Applied Plastic Pavement Marking, 4" White or Yellow		Preformed Thermoplastic Pavement Marking, 4" Yellow	 or 	High Build Waterborne Pavement Marking Paint, 4" White or 24" White
	Cold Applied Plastic Pavement Marking, 12" White		Preformed Thermoplastic Pavement Marking, 24" White	 or 	High Build Waterborne Pavement Marking Paint, 4" Yellow or 24" Yellow
	Cold Applied Plastic Pavement Marking, 24" White		Preformed Thermoplastic Pavement Marking, 4" White with Contrast Border		Cold Applied Plastic Pavement Marking, Arrow
	Cold Applied Plastic Pavement Marking, 4" White with Contrast Border		Preformed Thermoplastic Pavement Marking, 8" White with Contrast Border		Cold Applied Plastic Pavement Marking, Lane Reduction Arrow
	Cold Applied Plastic Pavement Marking, 8" White with Contrast Border	 or 	Preformed Thermoplastic Pavement Marking, Area, White or Blue		Preformed Thermoplastic Pavement Marking, Arrow



FOR BIDDING PURPOSES ONLY



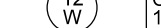
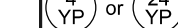
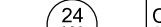
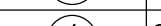
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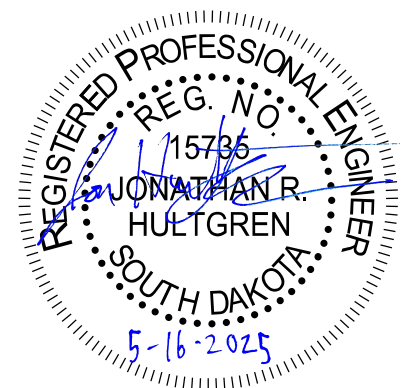


FOR BIDDING PURPOSES ONLY

4/30/2025

REMOVE ALL EXISTING PAVEMENT MARKINGS
ALONG THE EAST LANE EDGE OF I-29 MAINLINE
FROM STATION 75+02 TO STATION 105+45

PAVEMENT MARKING LEGEND					
	Cold Applied Plastic Pavement Marking, 4" White or Yellow		Preformed Thermoplastic Pavement Marking, 4" Yellow		High Build Waterborne Pavement Marking Paint, 4" White or 24" White
	Cold Applied Plastic Pavement Marking, 12" White		Preformed Thermoplastic Pavement Marking, 24" White		High Build Waterborne Pavement Marking Paint, 4" Yellow or 24" Yellow
	Cold Applied Plastic Pavement Marking, 24" White		Preformed Thermoplastic Pavement Marking, 4" White with Contrast Border		Cold Applied Plastic Pavement Marking, Arrow
	Cold Applied Plastic Pavement Marking, 4" White with Contrast Border		Preformed Thermoplastic Pavement Marking, 8" White with Contrast Border		Cold Applied Plastic Pavement Marking, Lane Reduction Arrow
	Cold Applied Plastic Pavement Marking, 8" White with Contrast Border		Preformed Thermoplastic Pavement Marking, Area, White or Blue		Preformed Thermoplastic Pavement Marking, Arrow



PAVEMENT MARKING LAYOUT

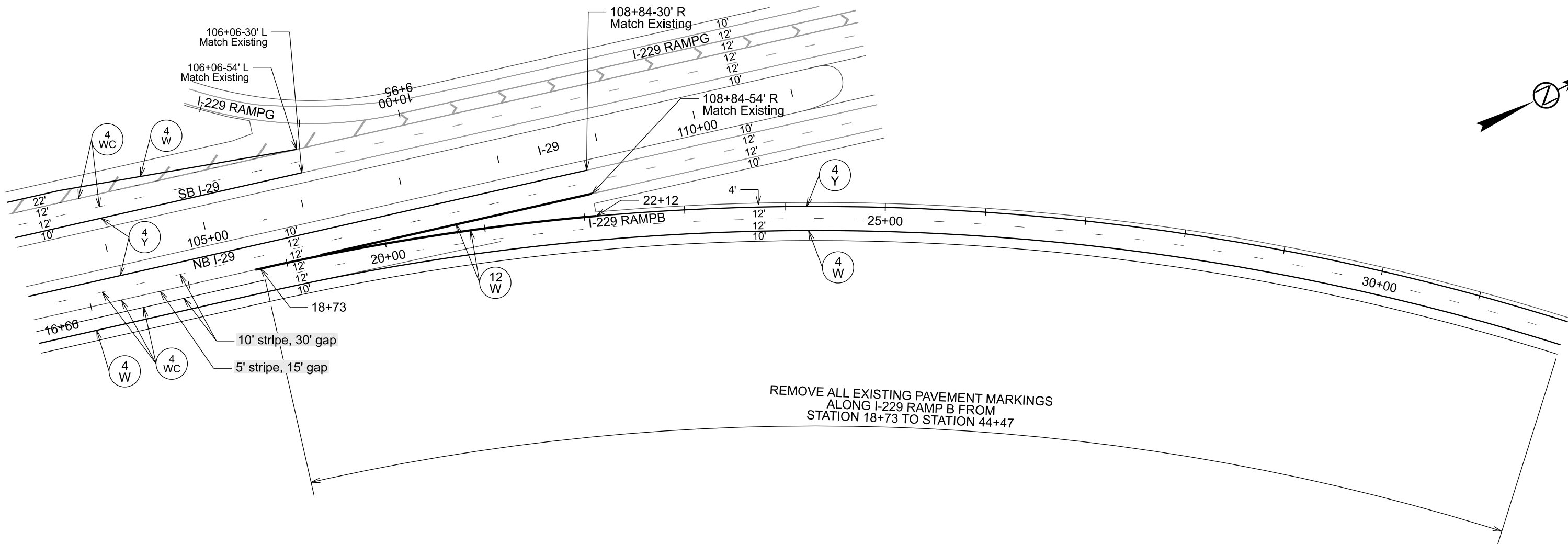
I-229 RAMP B

FOR BIDDING PURPOSES ONLY



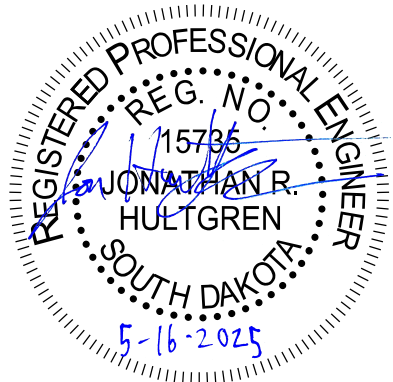
Plotting Date: 4/30/2025

PROJECT	SHEET	TOTAL SHEETS
EM 0292(88)73 IM 2292(104)0	M21	M31



PAVEMENT MARKING LEGEND

(4 W) or (4 Y)	Cold Applied Plastic Pavement Marking, 4" White or Yellow	(4 YT)	Preformed Thermoplastic Pavement Marking, 4" Yellow	(4 WP) or (24 WP)	High Build Waterborne Pavement Marking Paint, 4" White or 24" White
(12 W)	Cold Applied Plastic Pavement Marking, 12" White	(24 WT)	Preformed Thermoplastic Pavement Marking, 24" White	(4 YP) or (24 YP)	High Build Waterborne Pavement Marking Paint, 4" Yellow or 24" Yellow
(24 W)	Cold Applied Plastic Pavement Marking, 24" White	(4W CT)	Preformed Thermoplastic Pavement Marking, 4" White with Contrast Border	↩ ↪	Cold Applied Plastic Pavement Marking, Arrow
(4 WC)	Cold Applied Plastic Pavement Marking, 4" White with Contrast Border	(8W CT)	Preformed Thermoplastic Pavement Marking, 8" White with Contrast Border	➔	Cold Applied Plastic Pavement Marking, Lane Reduction Arrow
(8 WC)	Cold Applied Plastic Pavement Marking, 8" White with Contrast Border	(WA T) or (BA T)	Preformed Thermoplastic Pavement Marking, Area, White or Blue	⤴ ⤵ ⤶ ⤷	Preformed Thermoplastic Pavement Marking, Arrow



PAVEMENT MARKING LAYOUT

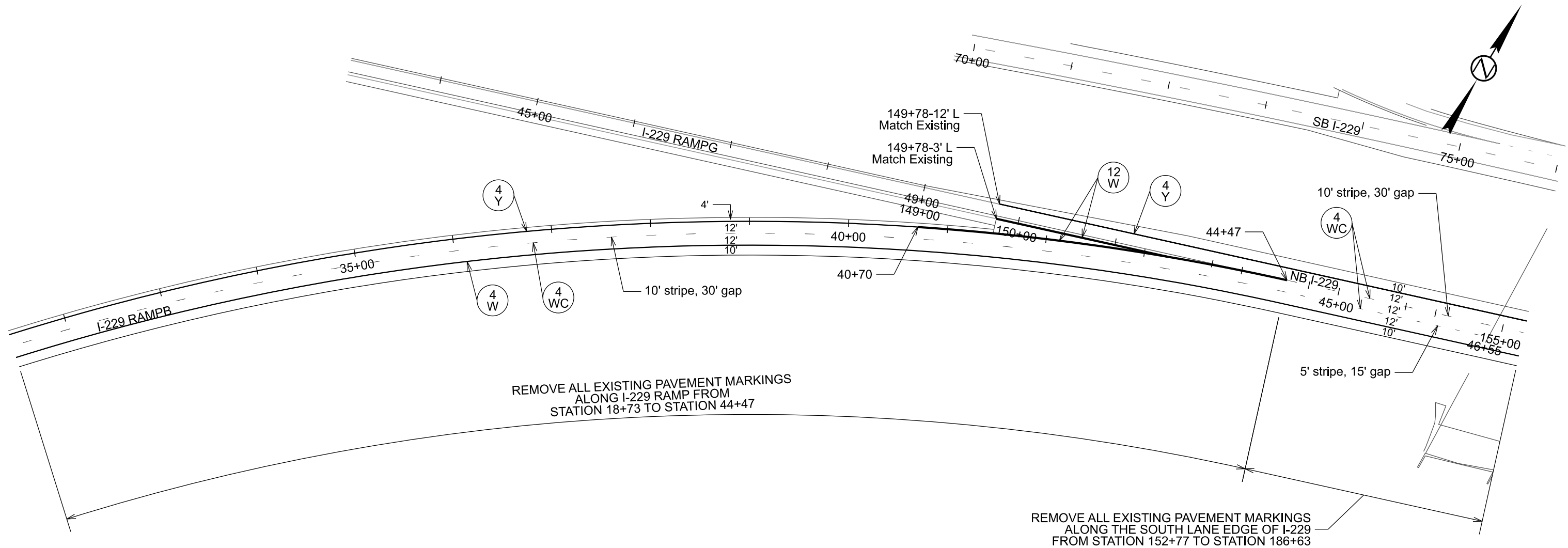
I-229 RAMP B

FOR BIDDING PURPOSES ONLY



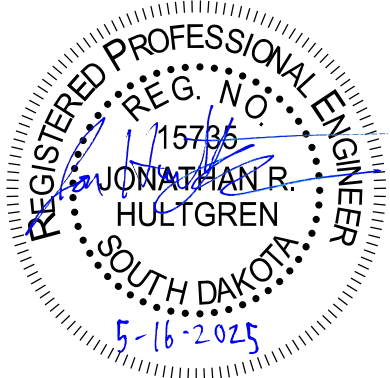
Plotting Date: 4/30/2025

PROJECT	SHEET	TOTAL SHEETS
EM 0292(88)73 IM 2292(104)0	M22	M31



PAVEMENT MARKING LEGEND

(4 W) or (4 Y)	Cold Applied Plastic Pavement Marking, 4" White or Yellow	(4 YT)	Preformed Thermoplastic Pavement Marking, 4" Yellow	(4 WP) or (24 WP)	High Build Waterborne Pavement Marking Paint, 4" White or 24" White
(12 W)	Cold Applied Plastic Pavement Marking, 12" White	(24 WT)	Preformed Thermoplastic Pavement Marking, 24" White	(4 YP) or (24 YP)	High Build Waterborne Pavement Marking Paint, 4" Yellow or 24" Yellow
(24 W)	Cold Applied Plastic Pavement Marking, 24" White	(4W CT)	Preformed Thermoplastic Pavement Marking, 4" White with Contrast Border	↩ ↪	Cold Applied Plastic Pavement Marking, Arrow
(4 WC)	Cold Applied Plastic Pavement Marking, 4" White with Contrast Border	(8W CT)	Preformed Thermoplastic Pavement Marking, 8" White with Contrast Border	➔	Cold Applied Plastic Pavement Marking, Lane Reduction Arrow
(8 WC)	Cold Applied Plastic Pavement Marking, 8" White with Contrast Border	(WA T) or (BA T)	Preformed Thermoplastic Pavement Marking, Area, White or Blue	⤴ ⤵ ⤶ ⤷	Preformed Thermoplastic Pavement Marking, Arrow



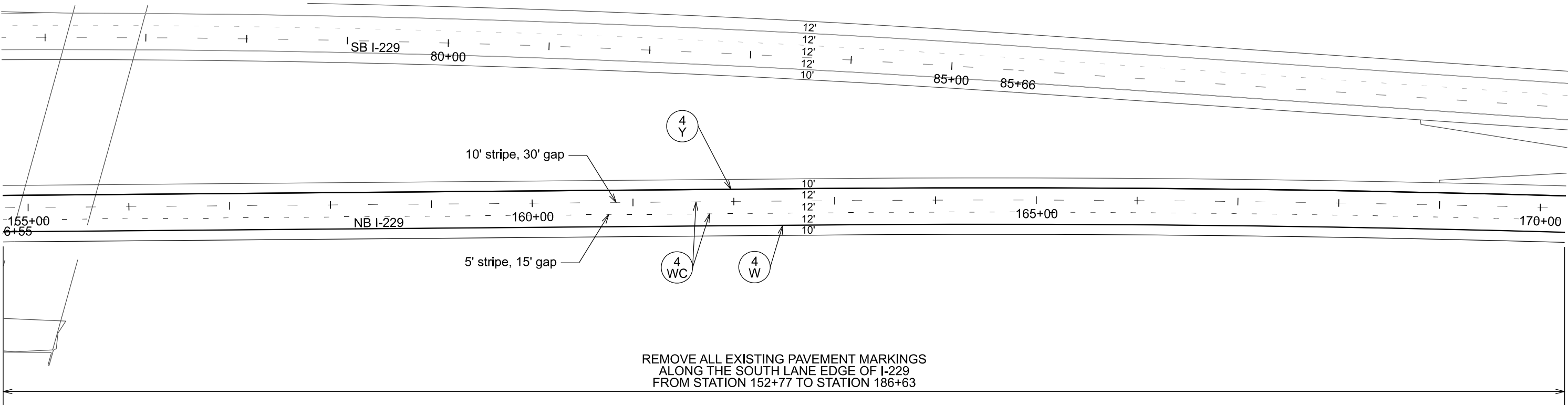
PAVEMENT MARKING LAYOUT
NB I-229

FOR BIDDING PURPOSES ONLY



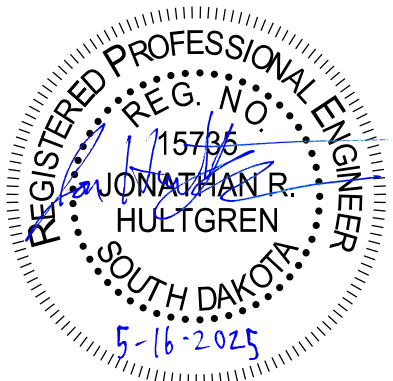
Plotting Date: 4/30/2025

PROJECT	SHEET	TOTAL SHEETS
EM 0292(88)73 IM 2292(104)0	M23	M31



PAVEMENT MARKING LEGEND

(4 W) or (4 Y)	Cold Applied Plastic Pavement Marking, 4" White or Yellow	(4 YT)	Preformed Thermoplastic Pavement Marking, 4" Yellow	(4 WP) or (24 WP)	High Build Waterborne Pavement Marking Paint, 4" White or 24" White
(12 W)	Cold Applied Plastic Pavement Marking, 12" White	(24 WT)	Preformed Thermoplastic Pavement Marking, 24" White	(4 YP) or (24 YP)	High Build Waterborne Pavement Marking Paint, 4" Yellow or 24" Yellow
(24 W)	Cold Applied Plastic Pavement Marking, 24" White	(4W CT)	Preformed Thermoplastic Pavement Marking, 4" White with Contrast Border	↩ ↪	Cold Applied Plastic Pavement Marking, Arrow
(4 WC)	Cold Applied Plastic Pavement Marking, 4" White with Contrast Border	(8W CT)	Preformed Thermoplastic Pavement Marking, 8" White with Contrast Border	➔	Cold Applied Plastic Pavement Marking, Lane Reduction Arrow
(8 WC)	Cold Applied Plastic Pavement Marking, 8" White with Contrast Border	(WA T) or (BA T)	Preformed Thermoplastic Pavement Marking, Area, White or Blue	⤴ ⤵ ⤶ ⤷	Preformed Thermoplastic Pavement Marking, Arrow



PAVEMENT MARKING LAYOUT

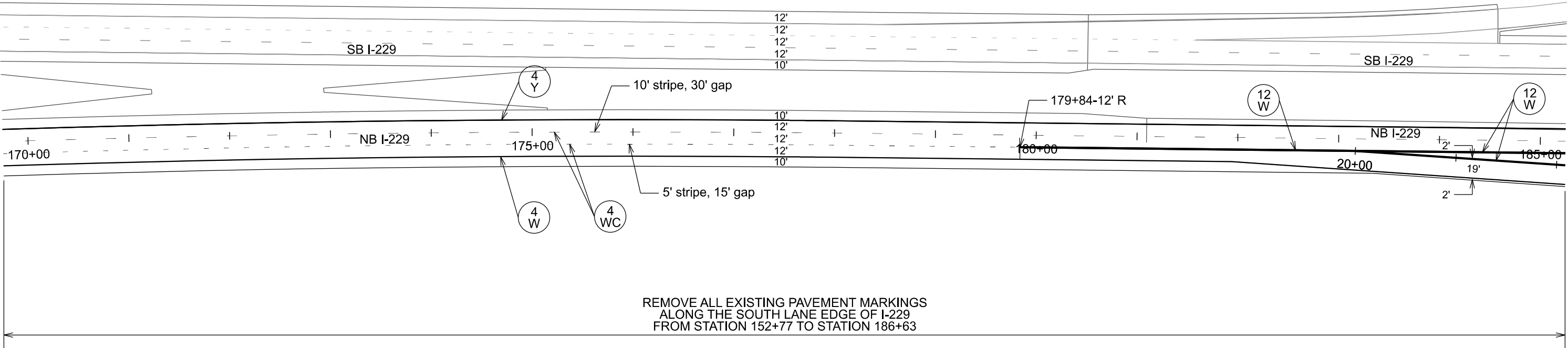
NB I-229

FOR BIDDING PURPOSES ONLY



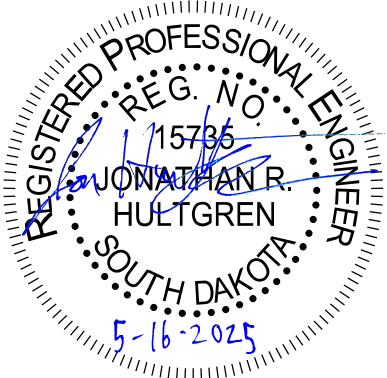
Plotting Date: 4/30/2025

PROJECT	SHEET	TOTAL SHEETS
EM 0292(88)73 IM 2292(104)0	M24	M31



PAVEMENT MARKING LEGEND

(4 W) or (4 Y)	Cold Applied Plastic Pavement Marking, 4" White or Yellow	(4 YT)	Preformed Thermoplastic Pavement Marking, 4" Yellow	(4 WP) or (24 WP)	High Build Waterborne Pavement Marking Paint, 4" White or 24" White
(12 W)	Cold Applied Plastic Pavement Marking, 12" White	(24 WT)	Preformed Thermoplastic Pavement Marking, 24" White	(4 YP) or (24 YP)	High Build Waterborne Pavement Marking Paint, 4" Yellow or 24" Yellow
(24 W)	Cold Applied Plastic Pavement Marking, 24" White	(4W CT)	Preformed Thermoplastic Pavement Marking, 4" White with Contrast Border	↩ ↪	Cold Applied Plastic Pavement Marking, Arrow
(4 WC)	Cold Applied Plastic Pavement Marking, 4" White with Contrast Border	(8W CT)	Preformed Thermoplastic Pavement Marking, 8" White with Contrast Border	➔	Cold Applied Plastic Pavement Marking, Lane Reduction Arrow
(8 WC)	Cold Applied Plastic Pavement Marking, 8" White with Contrast Border	(WA T) or (BA T)	Preformed Thermoplastic Pavement Marking, Area, White or Blue	⤴ ⤵ ⤶ ⤷	Preformed Thermoplastic Pavement Marking, Arrow



PAVEMENT MARKING LAYOUT

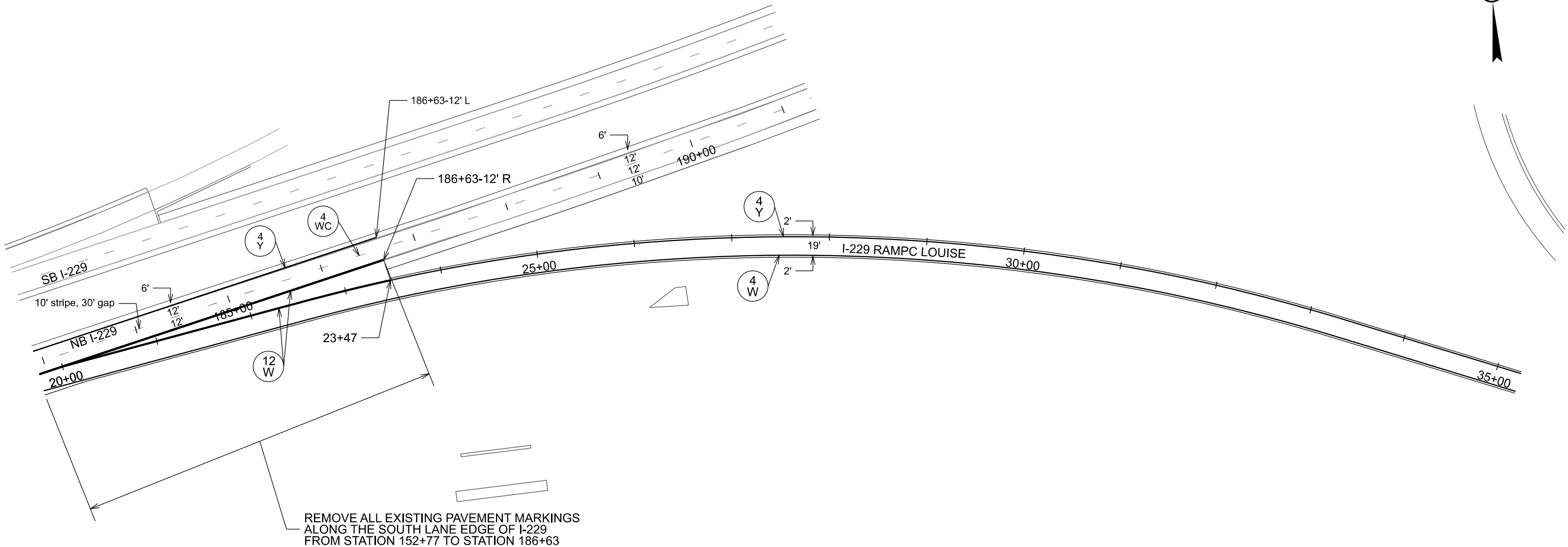
I-229 RAMP C - LOUISE AVENUE

FOR BIDDING PURPOSES ONLY



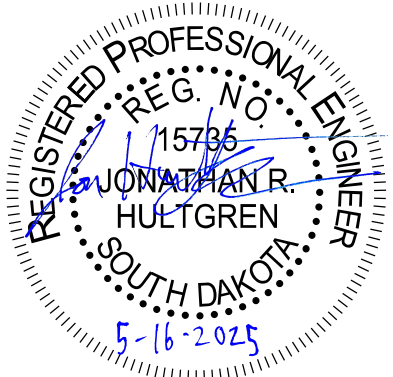
Plotting Date: 4/30/2025

PROJECT	SHEET	TOTAL SHEETS
EM 0292(88)73 IM 2292(104)0	M25	M31



PAVEMENT MARKING LEGEND

	Cold Applied Plastic Pavement Marking, 4" White or Yellow		Preformed Thermoplastic Pavement Marking, 4" Yellow		High Build Waterborne Pavement Marking Paint, 4" White or 24" White
	Cold Applied Plastic Pavement Marking, 12" White		Preformed Thermoplastic Pavement Marking, 24" White		High Build Waterborne Pavement Marking Paint, 4" Yellow or 24" Yellow
	Cold Applied Plastic Pavement Marking, 24" White		Preformed Thermoplastic Pavement Marking, 4" White with Contrast Border		Cold Applied Plastic Pavement Marking, Arrow
	Cold Applied Plastic Pavement Marking, 4" White with Contrast Border		Preformed Thermoplastic Pavement Marking, 8" White with Contrast Border		Cold Applied Plastic Pavement Marking, Lane Reduction Arrow
	Cold Applied Plastic Pavement Marking, 8" White with Contrast Border		Preformed Thermoplastic Pavement Marking, Area, White or Blue		Preformed Thermoplastic Pavement Marking, Arrow



PAVEMENT MARKING LAYOUT

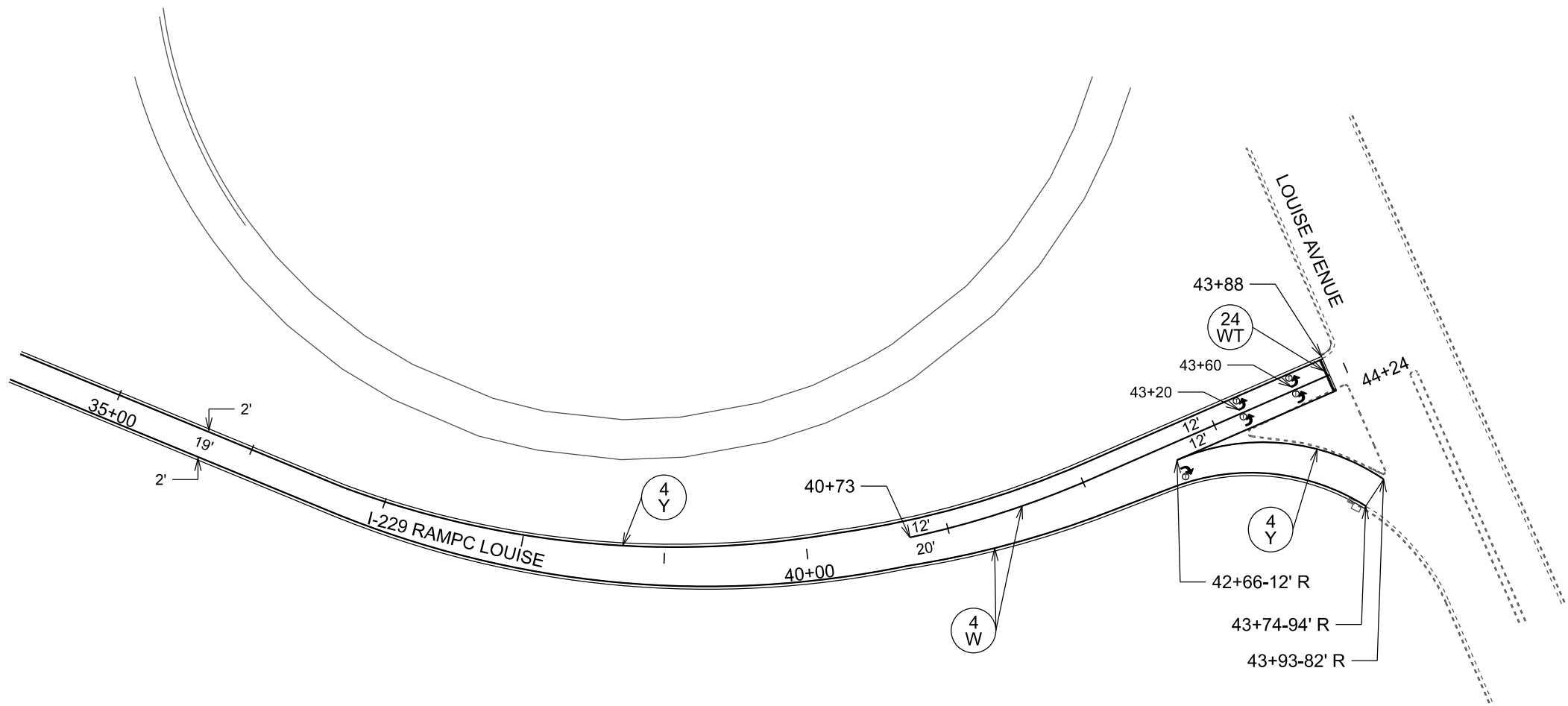
I-229 RAMP C - LOUISE AVENUE

FOR BIDDING PURPOSES ONLY



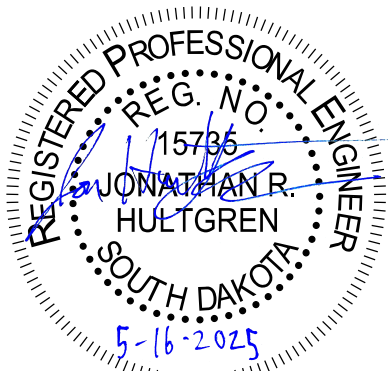
Plotting Date: 4/30/2025

PROJECT	SHEET	TOTAL SHEETS
EM 0292(88)73 IM 2292(104)0	M26	M31



PAVEMENT MARKING LEGEND

	Cold Applied Plastic Pavement Marking, 4" White or Yellow		Preformed Thermoplastic Pavement Marking, 4" Yellow		High Build Waterborne Pavement Marking Paint, 4" White or 24" White
	Cold Applied Plastic Pavement Marking, 12" White		Preformed Thermoplastic Pavement Marking, 24" White		High Build Waterborne Pavement Marking Paint, 4" Yellow or 24" Yellow
	Cold Applied Plastic Pavement Marking, 24" White		Preformed Thermoplastic Pavement Marking, 4" White with Contrast Border		Cold Applied Plastic Pavement Marking, Arrow
	Cold Applied Plastic Pavement Marking, 4" White with Contrast Border		Preformed Thermoplastic Pavement Marking, 8" White with Contrast Border		Cold Applied Plastic Pavement Marking, Lane Reduction Arrow
	Cold Applied Plastic Pavement Marking, 8" White with Contrast Border		Preformed Thermoplastic Pavement Marking, Area, White or Blue		Preformed Thermoplastic Pavement Marking, Arrow



PAVEMENT MARKING DETAILS

FOR BIDDING PURPOSES ONLY



PROJECT	SHEET	TOTAL SHEETS
EM 0292(88)73 IM 2292(104)0	M27	M31

Plotting Date: 4/30/2025



Drawing A in MUTCD Figure 3B-18
Interstate Shield on dark or light pavement

