

MINNESOTA DEPARTMENT OF TRANSPORTATION LYON COUNTY

CONSTRUCTION PLAN FOR: DURABLE PAVEMENT MARKINGS

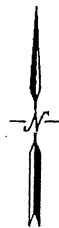
LOCATED ON: CSAH 1, CSAH 2, CSAH 3, CSAH 5, CSAH 6, CSAH 8, CSAH 9, CSAH 10,
CSAH 11, CSAH 14, CSAH 15, CSAH 22, CSAH 30, CSAH 35, CNTY 51,
CNTY 55, CNTY 56, CNTY 60, CNTY 63, CNTY 66, CNTY 67, CNTY 69, CNTY 73

MN PROJ NO: HSIP 4217 (238)

GOVERNING SPECIFICATIONS
THE 2016 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION
"STANDARD SPECIFICATION FOR CONSTRUCTION" SHALL GOVERN.

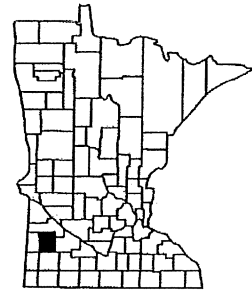
DURABLE PAVEMENT MARKINGS

PROJECT LOCATIONS:
S.P. 042-070-010

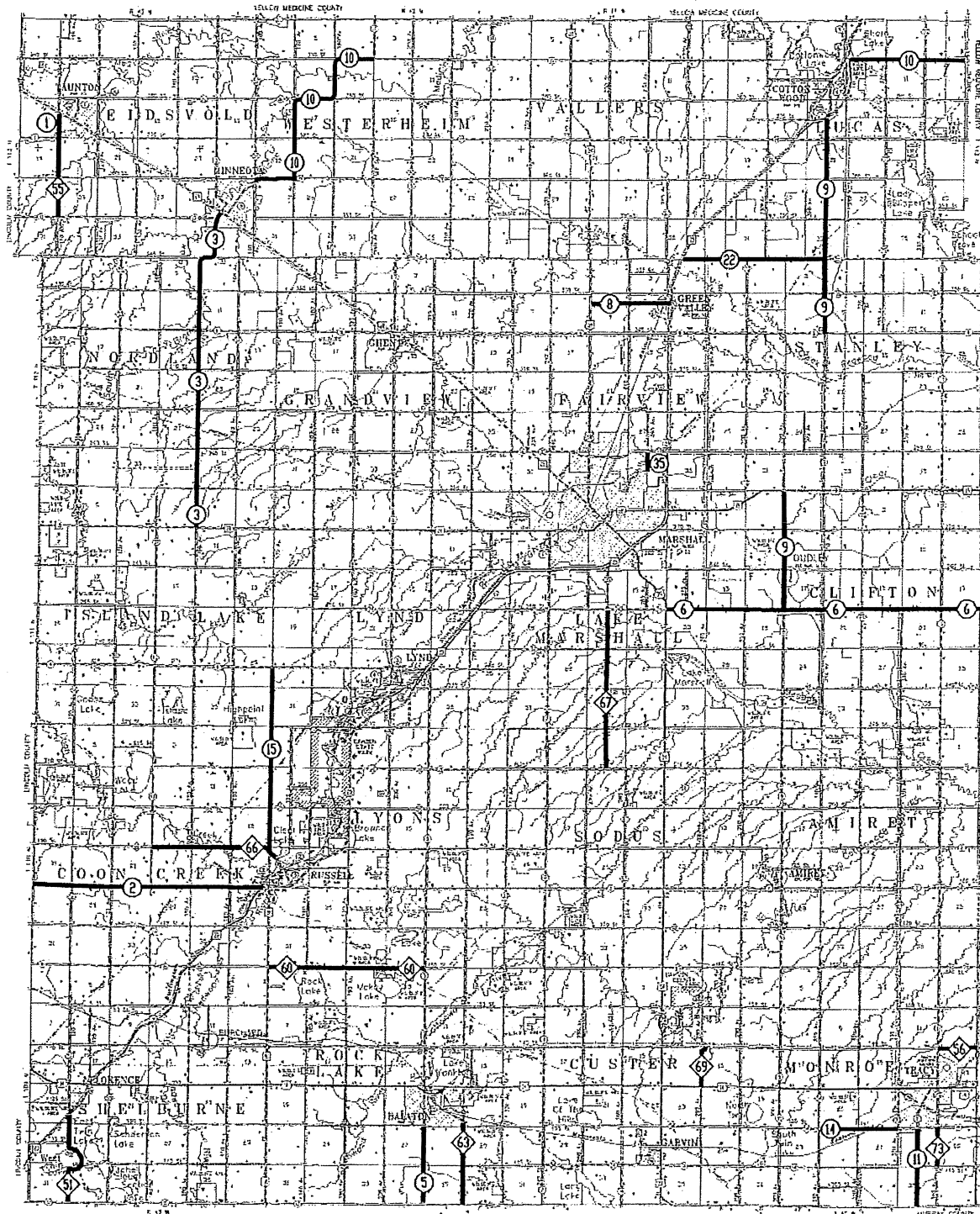


NOT TO SCALE

LYON COUNTY



MINNESOTA



THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL "D". THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

STATE PROJECT NO.: 042-070-010
GROSS LENGTH 417,400.00 FEET 79.053 MILES
BRIDGE-LENGTH FEET MILES
EXCEPTIONS-LENGTH FEET MILES
NET LENGTH 417,400.00 FEET 79.053 MILES

INDEX

SHEET NO. 01 TITLE SHEET
SHEET NO. 02 ESTIMATED QUANTITIES, TYPICAL SECTIONS, AND CONSTRUCTION NOTES
SHEET NO. 03 LOCATION MAP
THIS PLAN CONTAINS 03 SHEETS

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DESIGN ENGINEER Aaron VanMoer TYPED OR PRINTED NAME: Aaron VanMoer

DATE 4/18/17 LICENSE NUMBER: 50428

APPROVED: LYON COUNTY ENGINEER Aaron VanMoer DATE: 4/18/17

STATE AID APPROVALS:
Tom A. Summitt DATE 4/19/17
DISTRICT STATE-AID ENGINEER:
REVIEWED FOR COMPLIANCE WITH STATE AND/OR FEDERAL AID RULES/POLICY

for Mary Dakar DATE 5/8/17
STATE-AID ENGINEER:
APPROVED FOR STATE AID AND FEDERAL AID FUNDING

STATE PROJECT NO. 042-070-010

SHEET 01 OF 03 SHEETS

ESTIMATED QUANTITIES					
NOTES	ITEM NO.	ITEM	UNIT	S.P. 042-070-010	TOTAL
4	2102.502	PAVEMENT MARKING REMOVAL	LIN FT	490,580.00	490,580.00
1,2,3	2582.502	6" SOLID LINE EPOXY	LIN FT	834,800.00	834,800.00
1,3	2582.502	4" SOLID LINE EPOXY	LIN FT	313,290.00	313,290.00

STANDARD PLATES

THE FOLLOWING STANDARD PLATES, APPROVED BY FHWA, SHALL APPLY TO THIS PROJECT

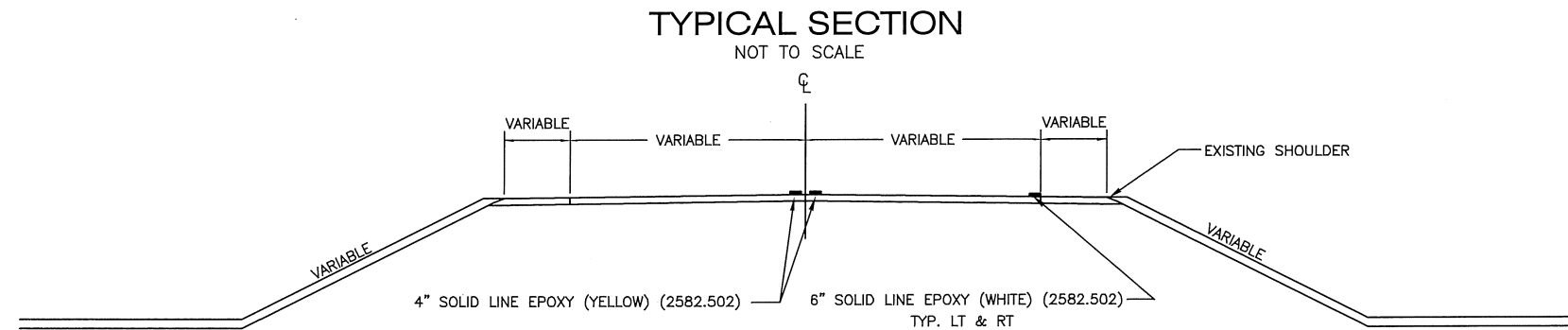
8000 J - CHANNELIZERS

CONSTRUCTION NOTES (ITEM SPECIFIC)

- TRAFFIC CONTROL LAYOUT PAVEMENT MARKING OPERATION SHALL MEET THE REQUIREMENTS OF LAYOUT 67. "STRIPING OPERATIONS TWO LANE TWO WAY ROAD". ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MOST RECENT EDITION OF THE MINNESOTA MANUAL ON TRAFFIC CONTROL DEVICES, INCLUDING "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS. TRAFFIC CONTROL SHALL BE INCLUDED IN THE TOTAL PRICE BID FOR ITEM 2582.502 - 6" SOLID LINE EPOXY AND 2582.502 - 4" SOLID LINE EPOXY.
- TOTAL QUANTITY IS FOR BOTH SIDES OF ROADWAY.
- CONSTRUCTION STRIPER OPERATION DAILY LOG AND STRIPER COMPUTERIZED DATA LOGGING SYSTEM FOR LIQUID MARKING (DLS) REQUIRED AS PER SPECIFICATION 2582.502 AND NO DIRECT PAYMENT SHALL BE MADE.
- PAVEMENT MARKING REMOVAL SHALL BE PERFORMED AT LOCATIONS SHOWN ON SHEET 3 AND AS SHOWN IN THE BASIS OF ESTIMATED QUANTITIES. ALL PAVEMENT MARKING REMOVALS SHALL BE COMPLETED UTILIZING GRINDING. ALL PAVEMENT MARKINGS TO BE REMOVED ARE LATEX ON BITUMINOUS SURFACING. EXISTING PAVEMENT MARKINGS SHALL BE REMOVED REGARDLESS OF WIDTH (4" OR 6").

CONSTRUCTION NOTES (GENERAL)

- ALL CONSTRUCTION COVERED BY RIGHT OF WAY OR EASEMENT.
- THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL "D". THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

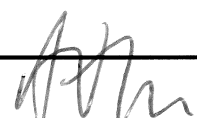


BASIS OF ESTIMATED QUANTITIES

S.P. 042-070-010

ITEM NO.	ITEM	UNIT	CSAH 1*	CSAH 2*	CSAH 3	CSAH 5*	CSAH 6	CSAH 8	CSAH 9*	CSAH 9	CSAH 10	CSAH 10	CSAH 11*					
									CSAH 6 TO TH 19	CSAH 8 TO TH 23	MINNEOTA TO CSAH 17	TH 23 TO YELLOW MEDICINE CNTY						
2582.502	6" SOLID LINE EPOXY	LIN FT	6,300.00	61,200.00	82,300.00	21,100.00	84,400.00	22,100.00	31,600.00	57,000.00	62,300.00	30,600.00	21,100.00					
2582.502	4" SOLID LINE EPOXY	LIN FT	1,600.00	10,600.00	17,200.00	10,200.00	8,800.00	6,000.00	4,700.00	14,750.00	28,200.00	9,400.00	9,500.00					
2102.502	PAVE. MARK. REMOVAL	LIN FT	7,900.00	71,800.00		31,300.00			36,300.00				30,600.00					
ITEM NO.	ITEM	UNIT	CSAH 14*	CSAH 15*	CSAH 22*	CSAH 30*	CSAH 35	CNTY 51*	CNTY 55*	CNTY 56	CNTY 60*	CNTY 63	CNTY 66	CNTY 67	CNTY 69	CNTY 73	TOTAL S.P. 042-070-010	
2582.502	6" SOLID LINE EPOXY	LIN FT	10,400.00	48,500.00	38,000.00	15,400.00	5,200.00	28,500.00	21,100.00	10,500.00	43,300.00	21,100.00	48,500.00	42,200.00	11,600.00	10,500.00		834,800.00
2582.502	4" SOLID LINE EPOXY	LIN FT	3,400.00	28,220.00	9,575.00	15,400.00	1,925.00	23,075.00	2,610.00	5,950.00	25,200.00	21,100.00	32,250.00	12,050.00	7,975.00	3,610.00		313,290.00
2102.502	PAVE. MARK. REMOVAL	LIN FT	13,800.00	76,720.00	47,575.00	30,800.00		51,575.00	23,710.00		68,500.00							490,580.00

*INDICATES REMOVAL OF IN PLACE ROAD STRIPING

CERTIFIED BY 	LIC. NO. <u>50428</u> DATE <u>4/10/17</u>	STATE PROJECT NO. 042-070-010	SHEET 02 OF 03 SHEETS
LICENSED PROFESSIONAL ENGINEER			

