



MINNESOTA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN FOR: SEAL COAT

LOCATION: SEE MAP ON SHEET NO. 2 FOR INDIVIDUAL SEGMENT LOCATIONS

PROJECT NO. S.A.P. 059-030-012

TOTAL LENGTH OF ALL SEGMENTS

GROSS LENGTH	<u>80505.00</u>	FEET	<u>15.247</u>	MILES
BRIDGES LENGTH	<u>---</u>	FEET	<u>---</u>	MILES
EXCEPTIONS LENGTH	<u>---</u>	FEET	<u>---</u>	MILES
NET LENGTH	<u>80505.00</u>	FEET	<u>15.247</u>	MILES

MUNICIPAL STATIONING

CSAH 9 - STA. 52+77 TO STA. 79+38  
CSAH 20 - STA. 205+58 TO STA. 212+25

THIS PLAN CONTAINS 4 SHEETS  
INDEX OF SHEETS

SHEET NO.	<u>1</u>	TITLE SHEET
SHEET NO.	<u>2</u>	LOCATION MAP
SHEET NO.	<u>3</u>	ESTIMATED QUANTITIES
SHEET NO.	<u>4</u>	TYPICAL SECTIONS

CSAH 5  
FROM HWY 53 TO CSAH 15  
24 FEET WIDE - LENGTH: 10,516 FEET, 1.992 MILES

CSAH 9  
FROM US 75 TO W. LIMITS EDGERTON  
23 FEET WIDE - LENGTH: 32,507 FEET, 6.157 MILES

CSAH 15  
FROM CSAH 7 TO CSAH 10  
24 FEET WIDE - LENGTH: 31,834 FEET, 6.029 MILES

CSAH 20  
FROM CH 54 TO CSAH 2  
VARIOUS WIDTH - LENGTH: 5,648 FEET, 1.070 MILES

ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES WILL BE COMPLIED WITH, IN THE CONSTRUCTION OF THIS PROJECT.

SIGNATURE: [Signature] PRINTED NAME: DAVID J. HALBERSMA

DESIGN ENGINEER: 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.

DATE: 12/27/17 LICENSE NUMBER: 19952

APPROVED: [Signature] PIPESTONE COUNTY ENGINEER

DATE: 12/27/17

DISTRICT STATE AID ENG. REVIEWED FOR COMPLIANCE WITH STATE-AID RULES/POLICY

DATE: 1-2-18

STATE AID ENGINEER: APPROVED FOR STATE AID FUNDING

DATE: 1-2-18

GOVERNING SPECIFICATIONS

THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN

MINN. PROJ. NO. \_\_\_\_\_ COUNTY PROJ. NO. \_\_\_\_\_  
STATE PROJ. NO. \_\_\_\_\_ S.A.P. 059-030-012

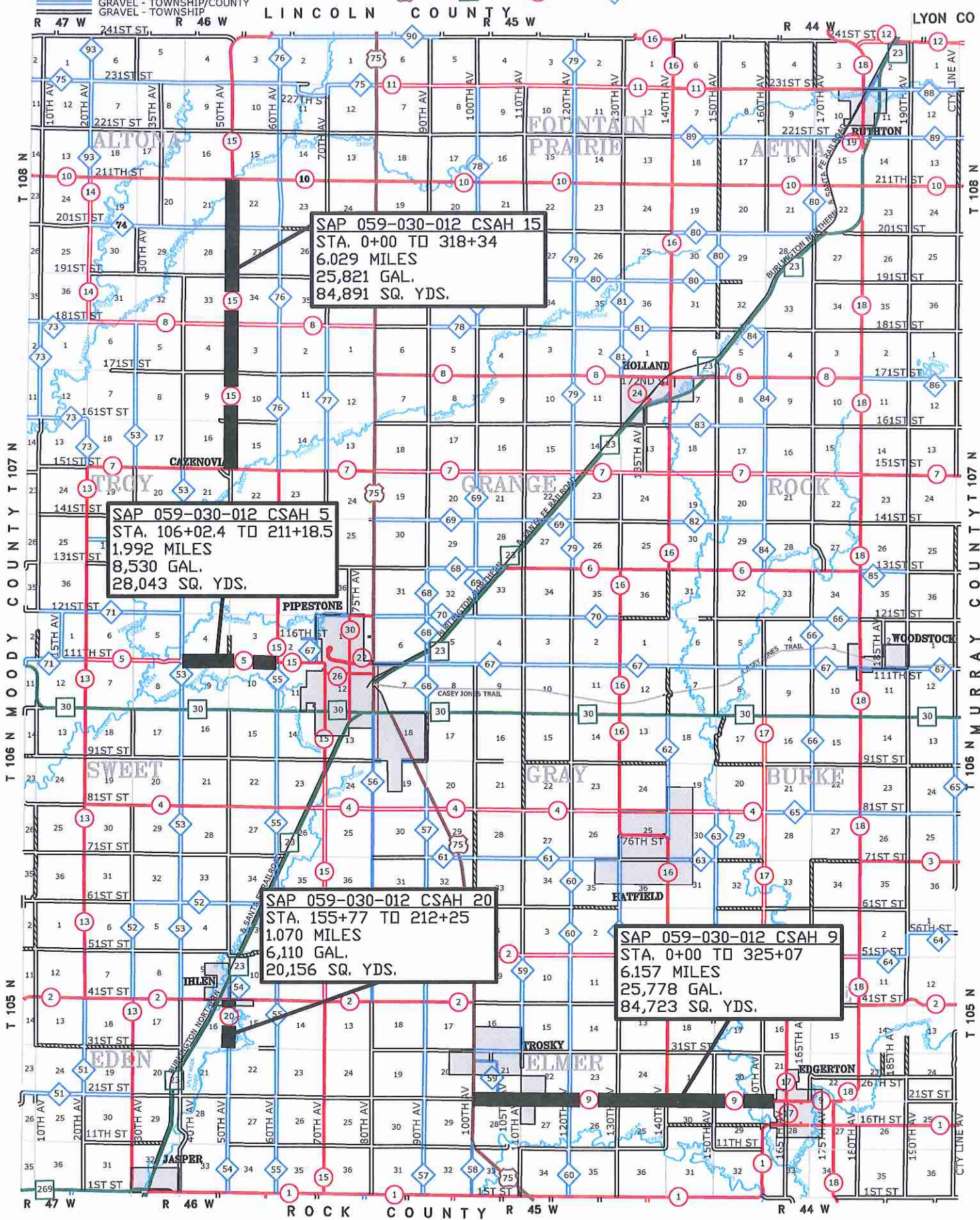
# PIPESTONE COUNTY

DAVID J. HALBERSMA  
HIGHWAY ENGINEER

## LEGEND

- BITUMINOUS - U.S.
- BITUMINOUS - STATE
- BITUMINOUS - C.S.A.H.
- BITUMINOUS - TOWNSHIP/COUNTY
- GRAVEL - TOWNSHIP/COUNTY
- GRAVEL - TOWNSHIP

75 U.S.    23 STATE    16 C.S.A.H.    79 TWS/P./C.H.



SAP 059-030-012 CSAH 15  
STA. 0+00 TO 318+34  
6.029 MILES  
25,821 GAL.  
84,891 SQ. YDS.

SAP 059-030-012 CSAH 5  
STA. 106+02.4 TO 211+18.5  
1.992 MILES  
8,530 GAL.  
28,043 SQ. YDS.

SAP 059-030-012 CSAH 20  
STA. 155+77 TO 212+25  
1.070 MILES  
6,110 GAL.  
20,156 SQ. YDS.

SAP 059-030-012 CSAH 9  
STA. 0+00 TO 325+07  
6.157 MILES  
25,778 GAL.  
84,723 SQ. YDS.

## \*ESTIMATED QUANTITIES

SPEC. NUMBER	ITEM	UNIT	REGULAR PARTIC.	MUNIC. PARTIC.	STATE PARK ROAD ACCOUNT	TOTAL QUANTITY
2356.504	BITUMINOUS SEAL COAT	SQ YD	190857	6800	20156	217813
2356.506	BITUMINOUS MATERIAL FOR SEAL COAT	GALLON	58059	2070	6110	66239
2582.503	4" SOLID LINE PAINT	LIN FT	26177		13820	39997
2582.503	24" SOLID LINE PAINT	LIN FT	48			48
2582.503	4" BROKEN LINE PAINT	LIN FT	13905	532	995	15432
2582.503	4" DOUBLE SOLID LINE PAINT	LIN FT	2664		645	3309
2582.518	PAVEMENT MESSAGE PAINT	SQ FT	147			147

\*SEE SHEET NO. 2 FOR BREAKDOWN OF INDIVIDUAL PROJECT QUANTITIES

## BASIS FOR PLANNED QUANTITIES

PRE-TREAT CRS-2P                      0.10 GALS./SQ.YD.  
 MAIN LINE CRS-2P                    0.30 GALS./SQ.YD.

ITEM 2582.503 4" SOLID LINE PAINT, 10,972 LIN FT SHALL BE WHITE - 29,025 LIN FT SHALL BE YELLOW

ITEM 2582.503 24" SOLID LINE PAINT, SHALL BE WHITE

ITEM 2582.503 4" BROKEN LINE PAINT, PAYMENT WILL BE FOR ACTUAL LINE LENGTH NOT INCLUDING SPACING

ITEM 2582.518 QUANTITIES INCLUDE 3 (STOP AHEAD) AT 49 SQ. FT. EACH

NOTE: EXISTING INTERSECTION RADII, FARM AND FIELD ENTRANCES,  
 AND BRIDGE APPROACHES WILL NOT BE SEAL COATED.

## STANDARD PLATES

THE FOLLOWING STANDARD PLATES AS APPROVED BY THE F.H.W.A. SHALL APPLY ON THIS PROJECT

PLATE NO.	DESCRIPTION
8000J	CHANNELIZERS

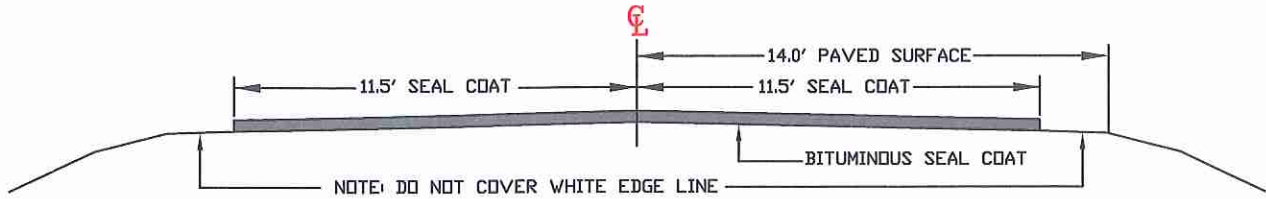
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNATURE:  PRINTED NAME: DAVID J. HALBERSMA

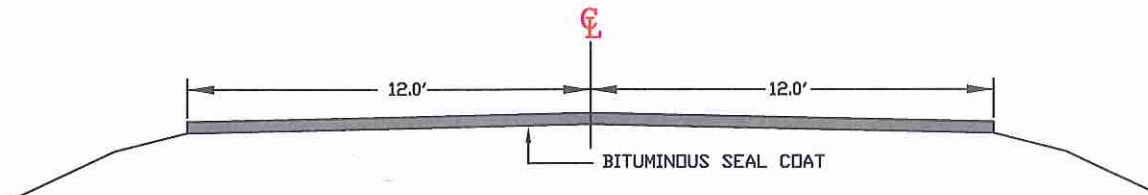
DATE: 12/27/17 LICENSE NUMBER: 19952

# TYPICAL SECTIONS

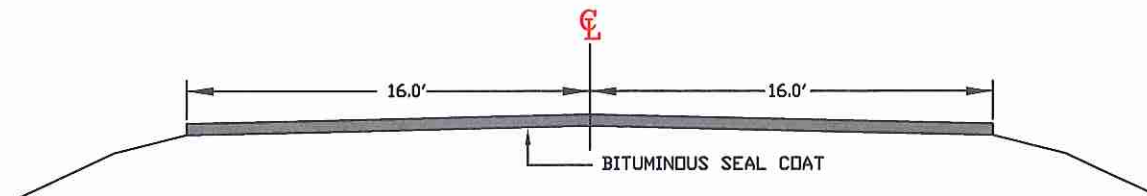
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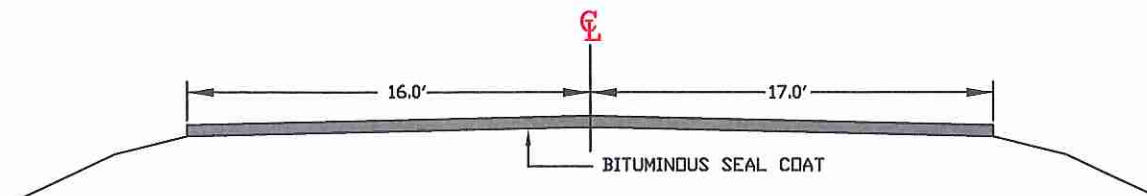
THE ABOVE SECTION IS TYPICAL OF:  
CSAH 9 - STA. 0+00 TO STA. 325+07



THE ABOVE SECTION IS TYPICAL OF:  
CSAH 5 - STA. 106+02.4 TO STA. 211+18.5  
CSAH 15 - STA. 0+00 TO STA. 318+34



THE ABOVE SECTION IS TYPICAL OF:  
CSAH 20 - STA. 155+77 TO STA. 205+58



THE ABOVE SECTION IS TYPICAL OF:  
CSAH 20 - STA. 205+58 TO STA. 212+25

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SIGNATURE: *David J. Halbersma* PRINTED NAME: DAVID J. HALBERSMA

DATE: 12/27/17 LICENSE NUMBER: 19952

NOTE: ALL DIMENSIONS AND SLOPES ON TYPICAL SECTIONS ARE APPROXIMATE. FIELD CONDITIONS MAY REQUIRE SOME VARIATION FROM THAT SHOWN.