

# MINNESOTA DEPARTMENT OF TRANSPORTATION LINCOLN COUNTY CONSTRUCTION PLAN FOR SEAL COAT AND STRIPING VARIOUS LOCATIONS

ROAD NUMBER	PROJECT NUMBER	PROJECT SEGMENT	WIDTH	LENGTH	MILES	RAILROAD EXCEPTION LENGTHS	RAILROAD EXCEPTIO N MILES
CSAH 1	CP 900-001-022	CSAH 9 TO TH 14	24.0'	21127	4.001	10.0	0.002
CSAH 1	CP 900-001-022	TH 14 to CSAH 15	24.0'	42440	8.038		
CSAH 2	CP 900-002-022	CR 129 TO CSAH 9		5333	1.010		
CSAH 2	CP 900-002-022	CSAH 9 TO TH 14	24.0'	21079	3.992	10.0	0.002
CSAH 4	CP 900-004-022	CSAH 17 TO CSAH 19	24.0'	31358	5.939		
CSAH 7	CP 900-007-022	STATE HWY 19 TO CSAH 17	24.0'	15850	3.002		
CSAH 7	CP 900-007-022	CSAH 15 TO STATE HWY 19	24.0'	27285	5.168		
CSAH 8	CP 900-008-022	CSAH 11 TO CSAH 13	24.0'	10365	1.963		
CSAH 8	CP 900-008-022	CSAH 13 TO 50' N OF THE INT. OF CSAH 15	23.0'	26819	5.079		
CSAH 9	CP 900-009-022	CSAH 1 TO CSAH 2		15840	3.000		
CSAH 9	CP 900-009-022	TH 75 TO CSAH 7	22.0'	45060	8.534		
CSAH 10	CP 900-010-022	WEST COUNTY LINE TO CSAH 1	22.0'	7634	1.446		
CSAH 11	CP 900-011-022	CSAH 8 TO THE EAST COUNTY LINE	24.0'	10738	2.034		
CSAH 12	CP 900-012-022	TH 75 TO CSAH 13	24.0'	16654	3.154		
CSAH 13	CP 900-013-022	CSAH 8 TO THE EAST COUNTY LINE	24.0'	10402	1.970		
CSAH 8M	CP 900-308-022	TH 14 TO CSAH 7 (STRONG ST.)	43.0'	4480	0.848	10.0	0.002
CSAH 24M	CP 900-324-022	CSAH 24 (RAILROAD ST.) TO CSAH 17 (GARFIELD ST.)	63.0'	758	0.144		
CSAH 25M	CP 900-325-022	RAILROAD ST. TO TH 75	24.0' & 41.0' & 44.0'	4663	0.883		
CR 107	CP 900-107-022	TH 14 TO 160TH ST	24.0'	5410	1.025	10.0	0.002
CR 129	CP 900-129-022	3RD STREET TO CSAH 9	24.0' & 36.0'	965	0.183		

## SPECIFICATIONS

SEE SHEET 2 & 3 FOR LOCATION MAPS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND THE "SUPPLEMENTAL SPECIFICATIONS" DATED SEPTEMBER 2022 SHALL GOVERN.

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THIS PLAN CONTAINS 16 SHEETS

### S.A.P. 041-030-016 LENGTH OF ALL PROJECTS

GROSS LENGTH	324,260.00 FT.	61.413 MI.
RAILROAD LENGTH	40 FT.	0.008 MI.
EXCEPTIONS LENGTH	0 FT.	0 MI.
NET LENGTH	324,220.00 FT.	61.405 MI.

### LOCAL AGENCY SIGNATURES:

Signature: Joseph M. Wilson Typed or Printed Name: JOSEPH M. WILSON,  
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: 3-16-23

License Number: 54947

Approved: Joseph M. Wilson  
Lincoln County Engineer

Date: 3-16-23

Date:

District State-Aid Engineer: Reviewed for Compliance with State-Aid Rules/Policy

Date:

State-Aid Engineer: Approved for State-Aid Funding

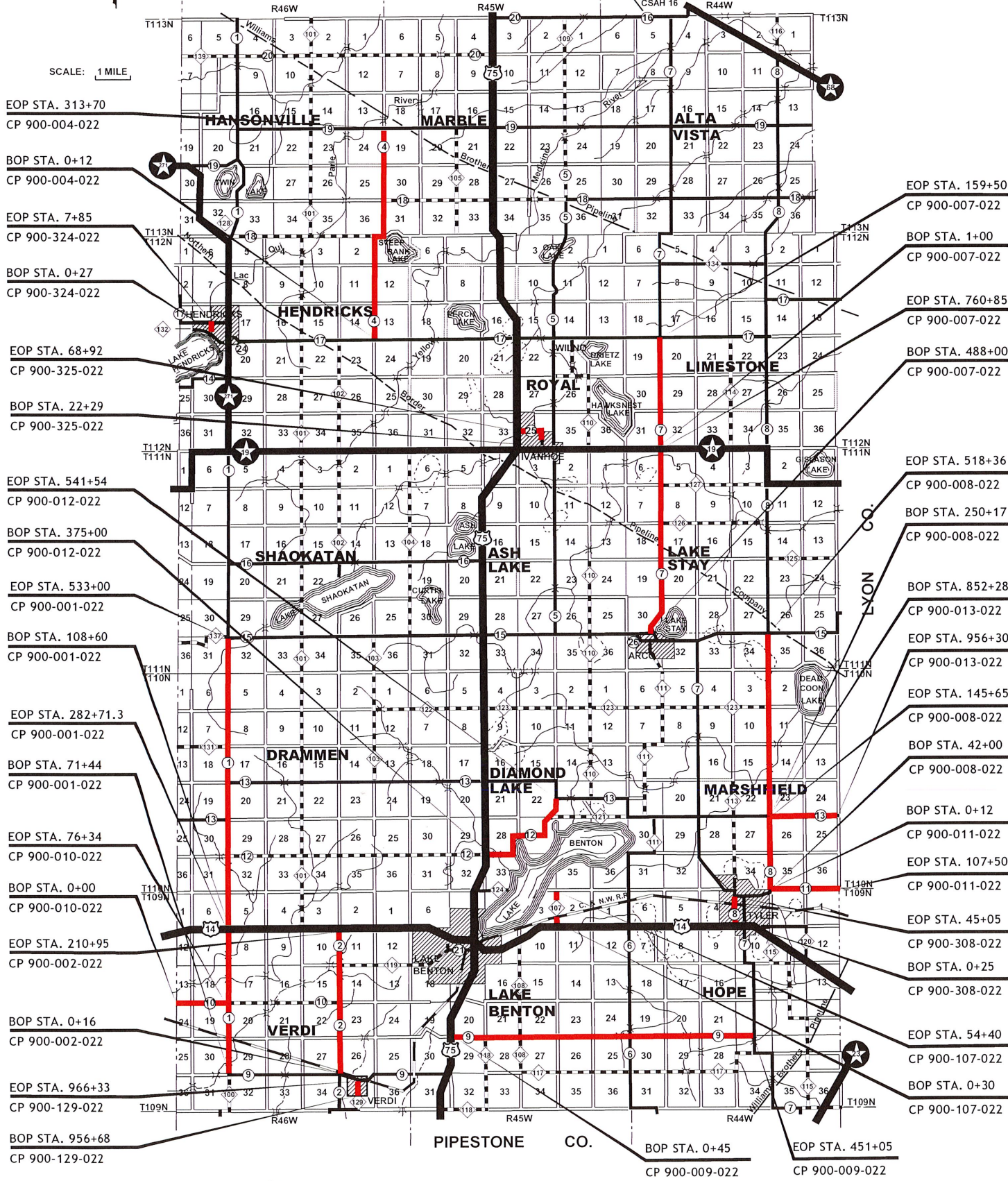
S.A.P. NO. 041-030-016  
SHEET NO. 1 OF 16 SHEETS



# HIGHWAY MAP OF LINCOLN COUNTY MINN. 2023 SEALCOAT MAP

- U.S. HIGHWAYS
- STATE TRUNK HIGHWAYS
- STATE AID OR COUNTY - HARD SURFACED ROADS
- STATE AID OR COUNTY - GRAVEL SURFACED ROADS
- TOWNSHIP ROADS
- COUNTY STATE AID ROAD SYMBOL
- COUNTY ROAD SYMBOL

YELLOW MEDICINE CO.      YELLOW MEDICINE CO.



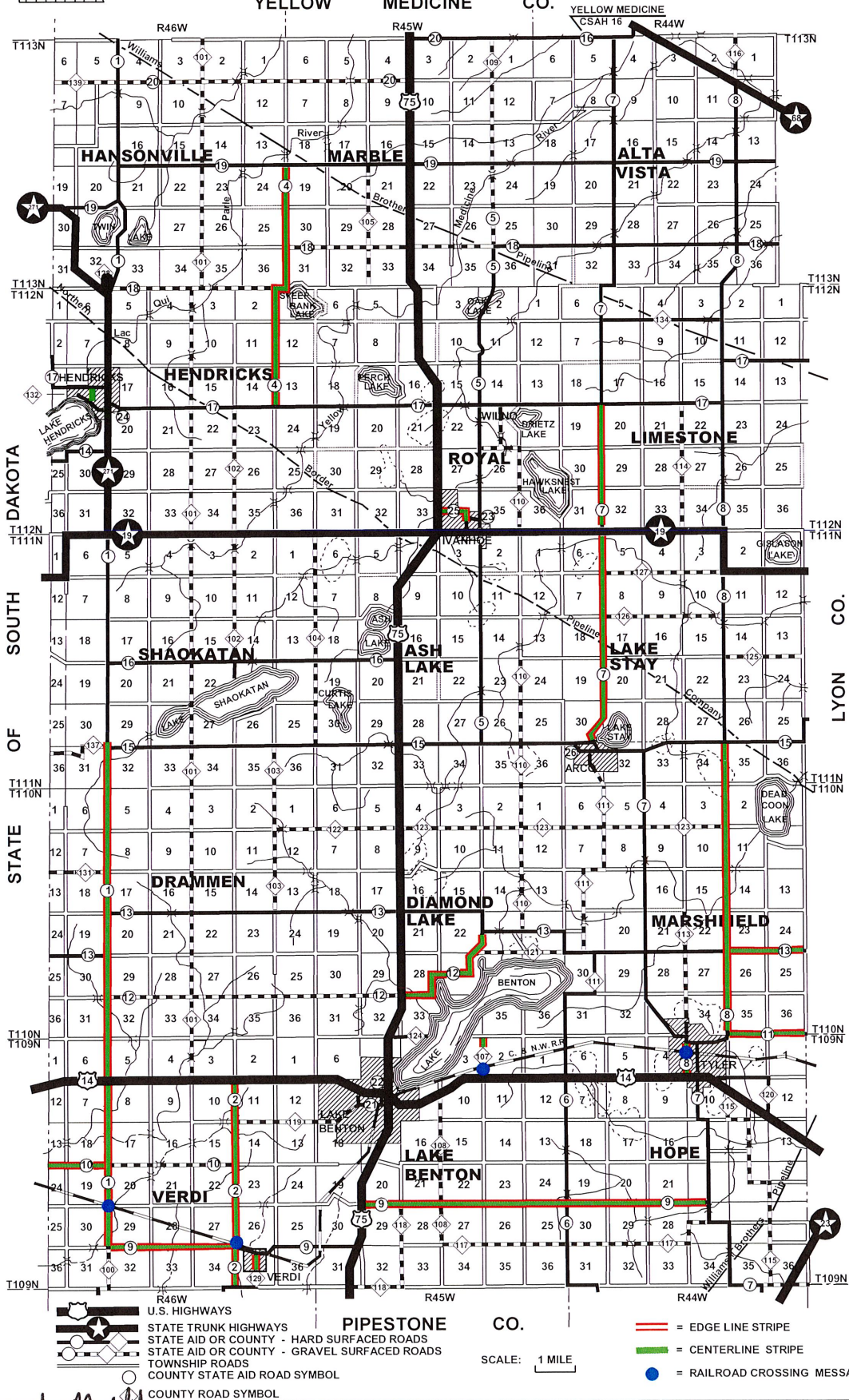


HIGHWAY MAP  
OF

# LINCOLN COUNTY MINN.

## 2023 STRIPING MAP

YELLOW MEDICINE CO.



CERTIFIED BY *Joseph M. Weber*  
LICENSED ENGINEER

LIC. NO. 54947

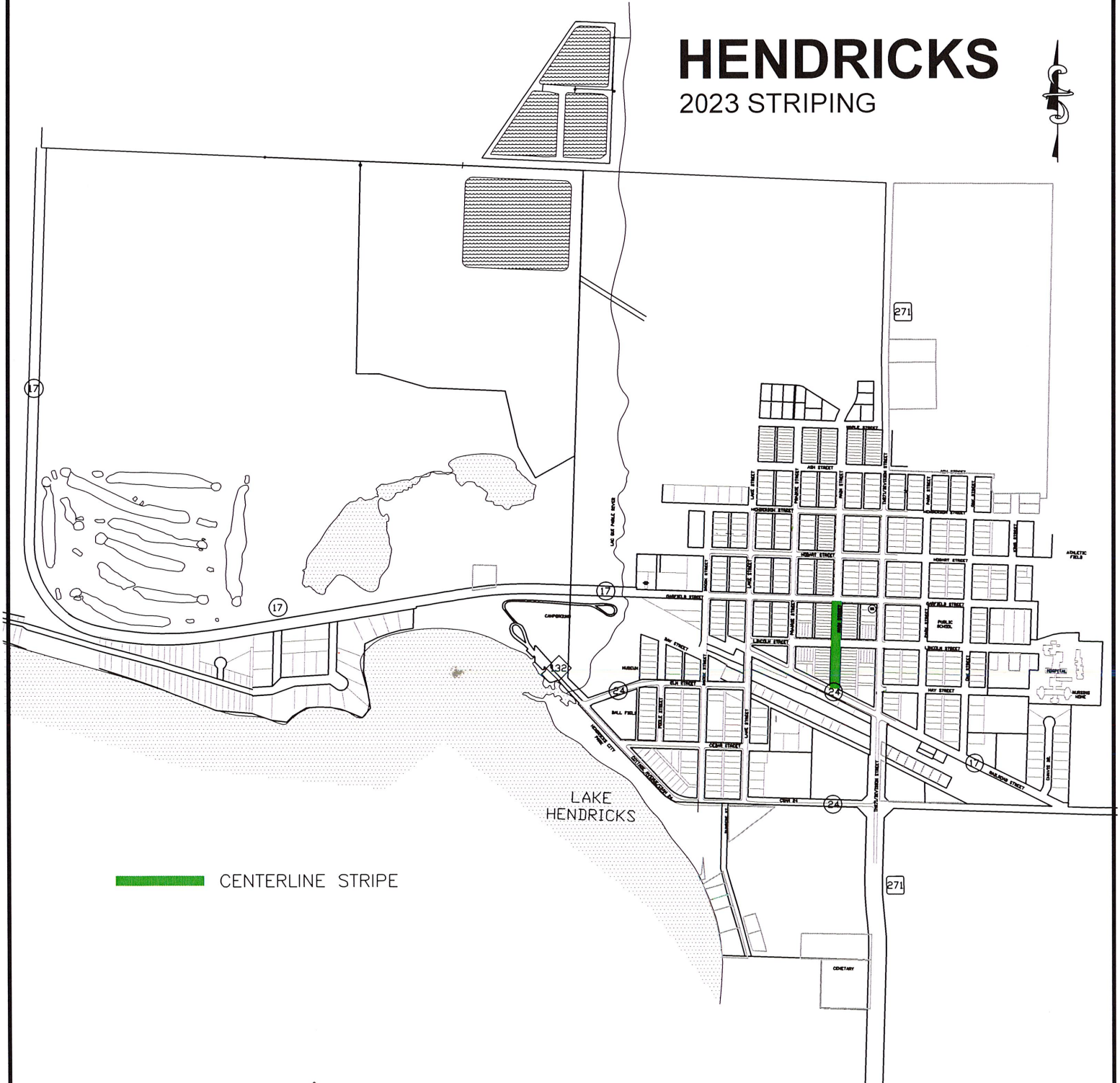
DATE: 3-16-23

S.A.P. 041-030-016  
SHEET NO. 3 OF 16 SHEETS

NO SCALE

# HENDRICKS

## 2023 STRIPING



 CENTERLINE STRIPE

CERTIFIED BY Joseph M. Hiltner  
LICENSED ENGINEER

LIC. NO. 54947 DATE: 3-16-23

S.A.P. 041-030-016  
SHEET NO. 4 OF 16 SHEETS

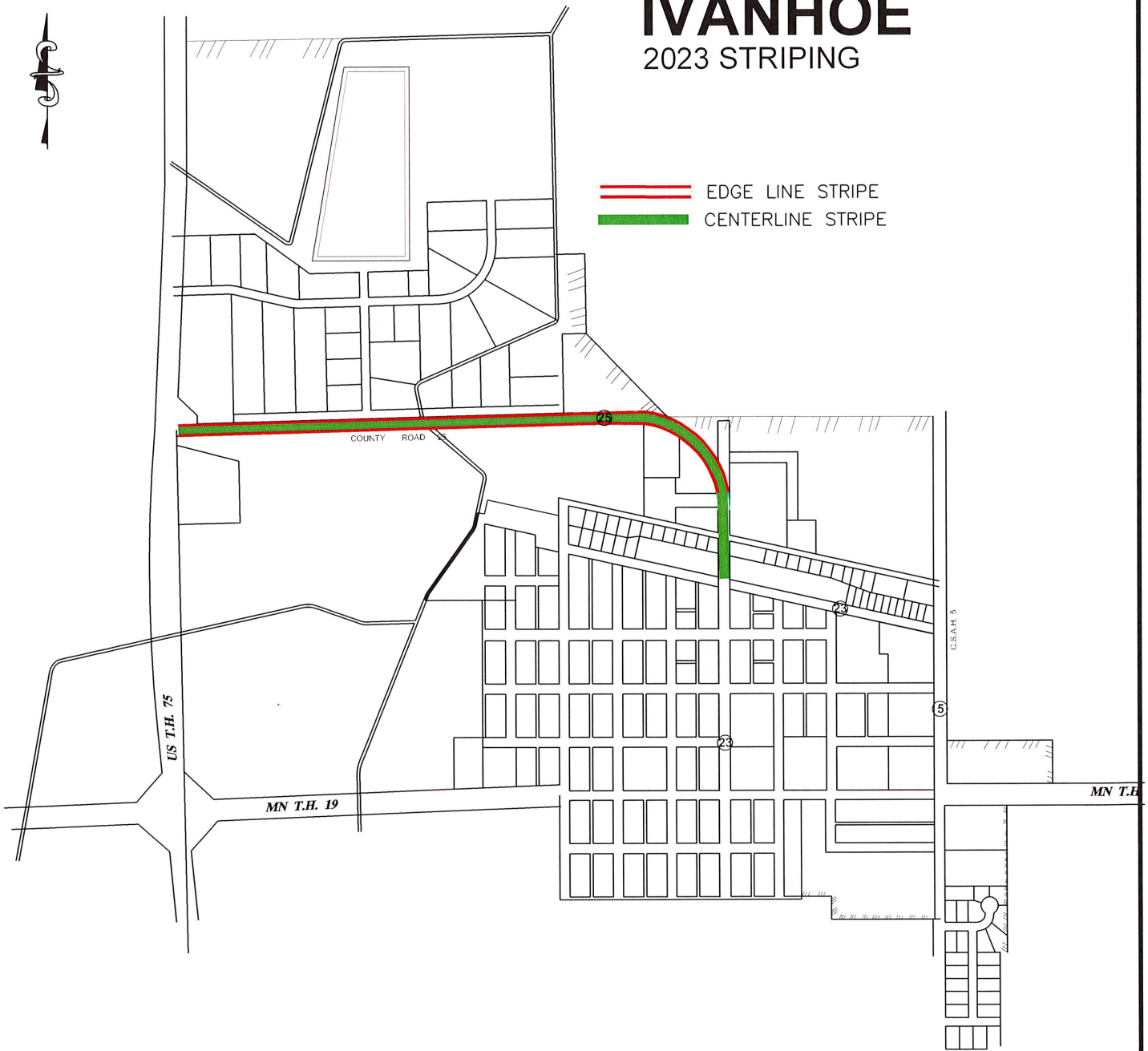
NO SCALE

# IVANHOE

## 2023 STRIPING



EDGE LINE STRIPE  
CENTERLINE STRIPE



CERTIFIED BY

*Joseph M. Wilson*  
LICENSED ENGINEER

LIC. NO. 54947

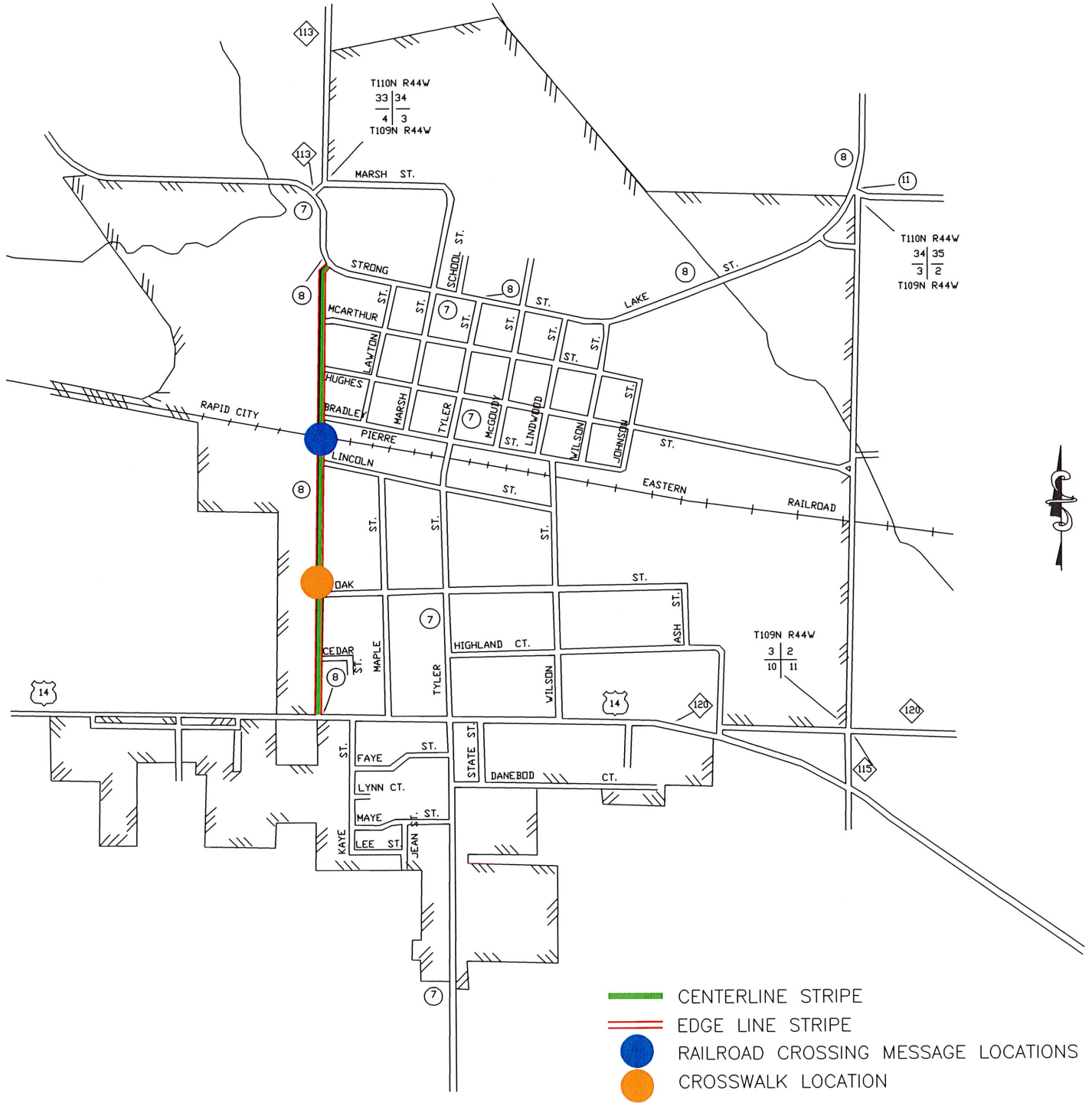
DATE: 3-16-23

S.A.P. 041-030-016  
SHEET NO. 5 OF 16 SHEETS

NO SCALE

# TYLER

## 2023 STRIPING



CERTIFIED BY *Joseph M. White*  
LICENSED ENGINEER

LIC. NO. 54947 DATE: 3-16-23

S.A.P. 041-030-016  
SHEET NO. 6 OF 16 SHEETS

# ESTIMATED QUANTITIES

NOTES	ITEM NUMBER	ITEM	UNIT	REGULAR	MUNICIPAL	LOCAL	TOTAL ESTIMATED QUANTITIES
1	2356.504	BITUMINOUS SEAL COAT	SQ YD	750141	42582	17578	810301
2,3	2356.506	BITUMINOUS MATERIAL FOR SEAL COAT	GAL	202539	11497	4746	218782
4	2563.601	TEMPORARY RAISED PAVEMENT MARKINGS	LUMP SUM	0.94	0.03	0.03	1
5	2582.503	4" SOLID LINE PAINT	LIN FT	838325	23766	15193	877284
6	2582.503	4" BROKEN LINE PAINT	LIN FT	47930	1606	1247	50783
7,8	2582.503	24" SOLID LINE PAINT GROUND IN	LIN FT	144	72	72	288
8,9	2582.518	PAVEMENT MESSAGE PAINT GROUND IN	SQ FT	246	123	123	492
10	2582.518	CROSSWALK PAINT GROUND IN	SQ FT	0	126	0	126

**NOTES:**

1. AGGREGATE SHALL MEET CLASSIFICATION CLASS A (AS DESCRIBED IN MNDOT SPECIFICATION 3139.2.A.2.a) AND FA-2 GRADATION REQUIREMENTS.
2. OIL RATES IN THE QUANTITY TABLE ARE FOR BIDDING PURPOSES ONLY. ACTUAL RATE MAY BE ADJUSTED BY THE ENGINEER IN THE FIELD DUE TO EXISTING ROAD CONDITIONS AT TIME OF PLACEMENT.
3. COVER METAL SURFACES AND OTHER UTILITY STRUCTURES IN THE ROADWAY TO PREVENT ADHERENCE OF THE BITUMINOUS MATERIAL. REMOVE THE PROTECTIVE COVERINGS BEFORE OPENING THE ROAD TO TRAFFIC.
4. TEMPORARY MARKINGS SHALL BE PLACED EVERY 200 FT ON THE STRAIGHT SECTIONS OF ROAD AND 100 FT ON THE CURVES.
5. QUANTITY CONTAINS 643761 LINEAR FEET OF WHITE PAINT AND 233523 LINEAR FEET OF YELLOW PAINT.
6. QUANTITIES DO NOT INCLUDE 40' SKIP. PAINT SHALL BE YELLOW IN COLOR.
7. 24" SOLID LINE PAINT SHALL BE WHITE IN COLOR AND SHALL BE PAINTED AS THE BARS FOR THE RAILROAD CROSSING PAVEMENT MESSAGE AND STOP BARS.
8. CONTRACTOR WILL HAVE THE OPTION TO COVER EXISTING MARKING BEFORE SEAL COATING AND REMARK AFTER SEAL COAT TO CREATE A RECESSED MARKING, OR GRIND-IN AND PLACE MARKING AFTER SEAL COAT.
9. RAILROAD CROSSING SHALL BE WHITE IN COLOR AND PLACED IN ACCORDANCE WITH THE MINNESOTA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MNMUTCD), "GRADE CROSSING PAVEMENT MARKINGS," FIGURES 8B-7.
10. 3FT X 6FT CROSSWALK MARKINGS WITH 2.5FT SPACING SHALL BE WHITE IN COLOR. CONTRACTOR HAS THE OPTION TO COVER PAVEMENT BEFORE SEAL COATING AND MARK AFTER SEAL COATING TO CREATE A RECESSED MARKING OR GROUND IN AND PLACE MARKING AFTER SEAL COATING.

**GENERAL NOTES:**

- ALL TRAFFIC CONTROL REQUIRED UNDER THIS CONTRACT SHALL BE PERFORMED AS INCIDENTAL WORK WHICH NO DIRECT PAYMENT WILL BE MADE.
- ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST MMUTCD, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

# ESTIMATED QUANTITIES

## CSAH - REGULAR

ROAD	STATION	LOCATION	LENGTH (FT.)	ROAD WIDTH (FT.)	SQ. YD.	CRS-2P (GAL.)	CRS-2P RATE (GAL./SY.)	SOLID LINE PAINT		BROKEN LINE PAINT
								YELLOW	WHITE	
1	71+44 - 282+71.3	CSAH 9 TO TH 14	21127	24	56339	15212	0.27	9724	42016	3931
1	108+60 - 533+00	TH 14 TO CSAH 15	42440	24	113173	30557	0.27	27921	85490	7550
2		CSAH 9 TO CR 129	5333					1900	10400	1050
2	0+16 - 210+95	CSAH 9 TO TH 14	21079	24	56211	15177	0.27	14554	41818	3679
4	0+12 - 313+70	CSAH 17 TO CSAH 19	31358	24	83621	22578	0.27	32685	62805	4450
7	1+00 - 159+50	TH 19 to CSAH 17	15850	24	42267	11412	0.27	14845	31700	2816
7	488+00 - 760+85	CSAH 15 TO STATE HWY 19	27285	24	72760	19645	0.27	21648	54140	4508
8	42+00 - 145+65	CSAH 11 TO CSAH 13	10365	24	27640	7463	0.27	3725	21197	1978
8	250+17 - 518+36	CSAH 13 TO 50' N OF THE INT. OF CSAH 15	26819	23	68537	18505	0.27	25252	53188	
9		CSAH 1 TO CSAH 2	15840					813	31050	3166
9	0+45 - 451+05	TH 75 TO CSAH 7	45060	22	110147	29740	0.27	30612	90254	8250
10	0+00 - 76+34	WEST COUNTY LINE TO CSAH 1	7634	22	18661	5038	0.27	750	15100	1530
11	0+12 - 107+50	CSAH 8 TO THE EAST COUNTY LINE	10738	24	28635	7731	0.27	7603	21230	1960
12	375+00 - 541+54	TH 75 TO CSAH 13	16654	24	44411	11991	0.27	27577	33154	974
13	852+28 - 956+30	CSAH 8 TO THE EAST COUNTY LINE	10402	24	27739	7490	0.27	3986	21188	2088
<b>REGULAR TOTAL</b>			<b>307984</b>		<b>750141</b>	<b>202539</b>		<b>223595</b>	<b>614730</b>	<b>47930</b>

## CSAH - MUNICIPAL

ROAD	STATION	LOCATION	LENGTH (FT.)	ROAD WIDTH (FT.)	SQ. YD.	CRS-2P (GAL.)	CRS-2P RATE (GAL.)	SOLID LINE PAINT		BROKEN LINE PAINT
								YELLOW	WHITE	
8M	0+25 - 45+05	TH 14 TO CSAH 7 (STRONG ST.)	4480	43	21404	5779	0.27	2650	8195	891
24M	0+27 - 7+85	CSAH 24 (RAILROAD ST.) TO CSAH 17 ( GARFIELD ST.)	758	63	5306	1433	0.27	0	0	147
25M	22+29 - 27+25	RAILROAD STREET AND TH 75	496	41	2260	610	0.27	4565	8356	568
25M	27+25 - 38+50	RAILROAD STREET AND TH 75	1125	44	5500	1485	0.27			
25M	38+50 - 68+92	RAILROAD STREET AND TH 75	3042	24	8112	2190	0.27			
<b>MUNICIPAL TOTAL</b>			<b>9901</b>		<b>42582</b>	<b>11497</b>		<b>7215</b>	<b>16551</b>	<b>1606</b>

## COUNTY - LOCAL

ROAD	STATION	LOCATION	LENGTH (FT.)	ROAD WIDTH (FT.)	SQ. YD.	CRS-2P (GAL.)	CRS-2P RATE (GAL.)	SOLID LINE PAINT		BROKEN LINE PAINT
								YELLOW	WHITE	
107	0+30 - 54+40	TH 14 TO 160TH STREET	5410	24	14427	3895	0.27	2713	10580	1057
129	956+68 - 962+00	3RD STREET TO 2ND STREET	532	24	1419	383	0.27	0	1900	190
129	962+00 - 966+33	2ND STREET TO CSAH 9	433	36	1732	468	0.27			
<b>LOCAL TOTAL</b>			<b>6375</b>		<b>17578</b>	<b>4746</b>		<b>2713</b>	<b>12480</b>	<b>1247</b>

CERTIFIED BY

*Joseph M. Williams*  
 LICENSED ENGINEER

LIC. NO. 54947

DATE: 3-16-23

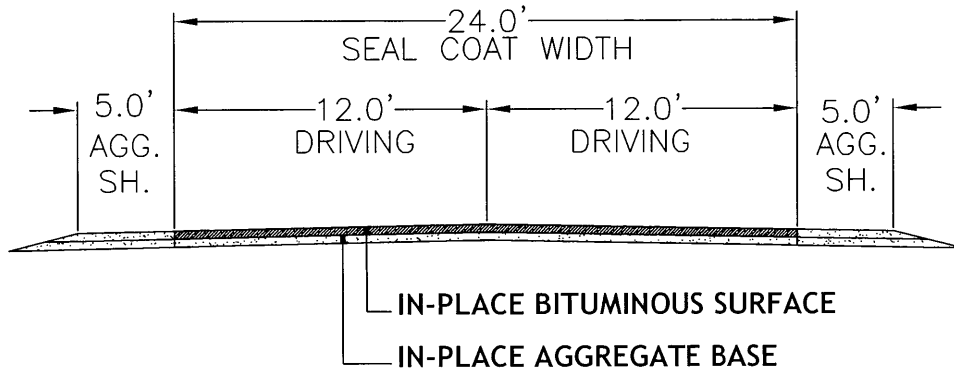
S.A.P. 041-030-016

SHEET NO. 8 OF 16 SHEETS

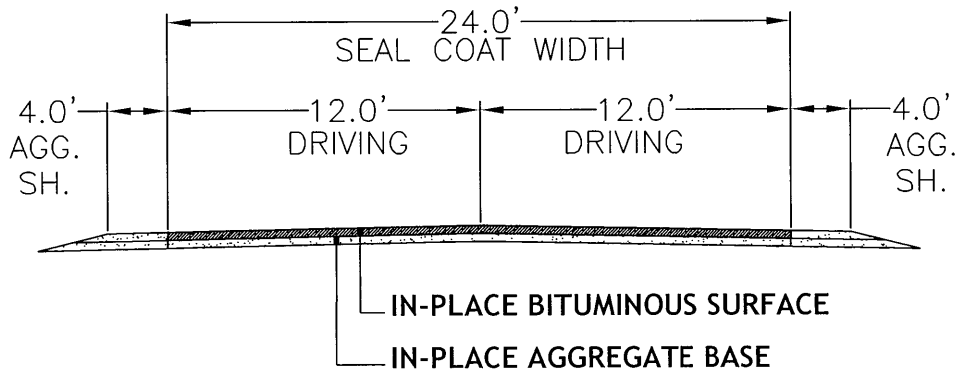


# TYPICAL SECTIONS

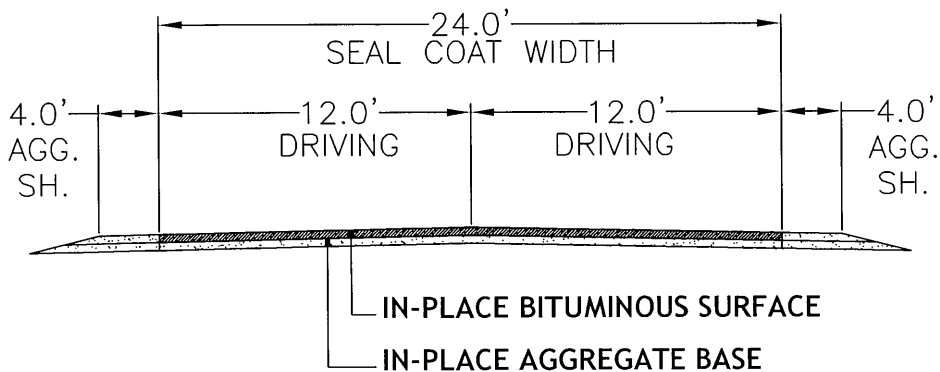
CSAH 1  
CSAH 9 TO TH 14  
&  
TH 14 TO CSAH 15  
STA. 71+44 TO 282+71.3  
STA. 108+60 TO 533+00



CSAH 2  
CSAH 9 TO TH 14  
STA. 0+16 TO 210+95



CSAH 4  
CSAH 17 TO CSAH 19  
STA. 0+12 TO 313+70



CERTIFIED BY

*Joseph M. Hilton*  
LICENSED ENGINEER

LIC. NO. 54947

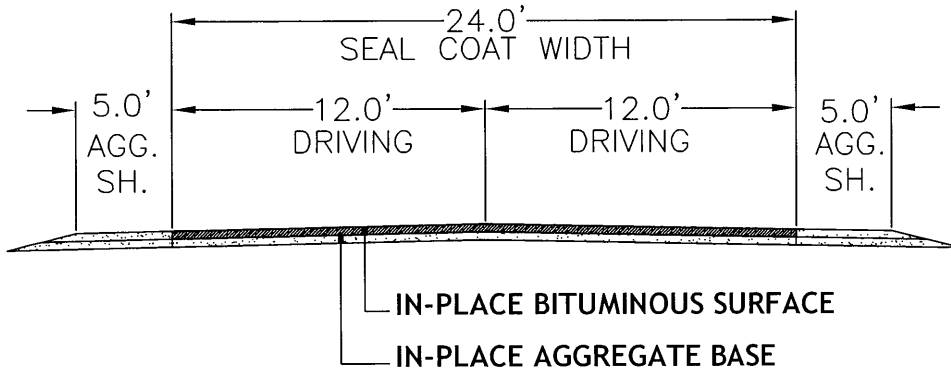
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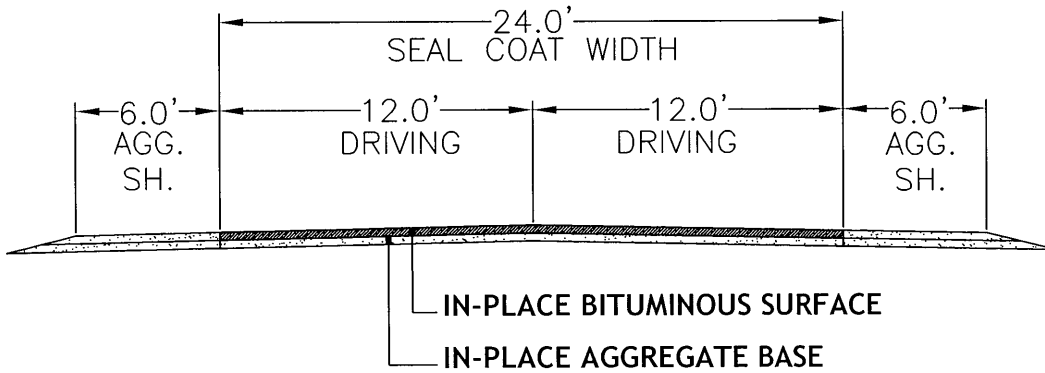
SHEET NO. 9 OF 16 SHEETS

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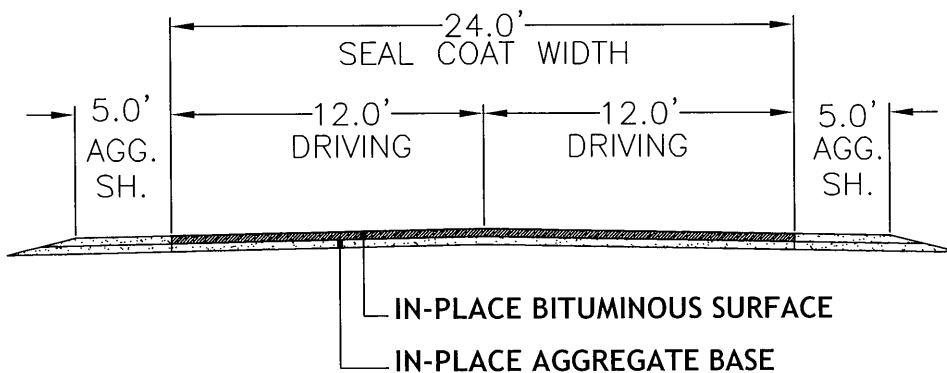
CSAH 7  
STATE HWY 19 TO CSAH 17  
STA. 1+00 TO 159+50



CSAH 7  
CSAH 15 TO STATE HWY 19  
STA. 488+00 TO 760+85



CSAH 8  
CSAH 11 TO CSAH 13  
STA. 42+00 TO 145+65



CERTIFIED BY

*Joseph M. Hillman*  
LICENSED ENGINEER

LIC. NO. 54947

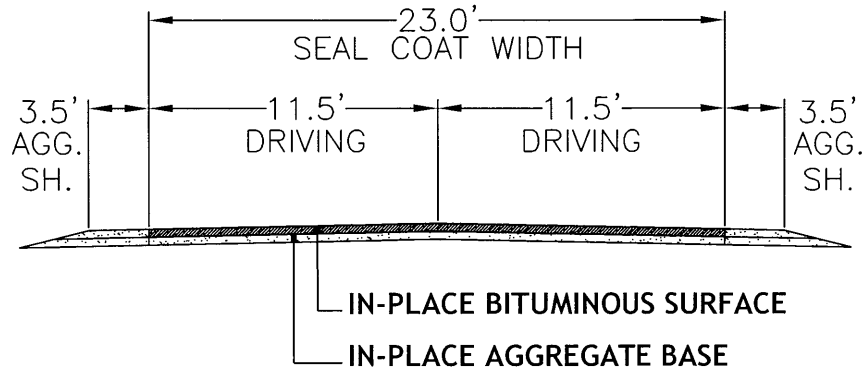
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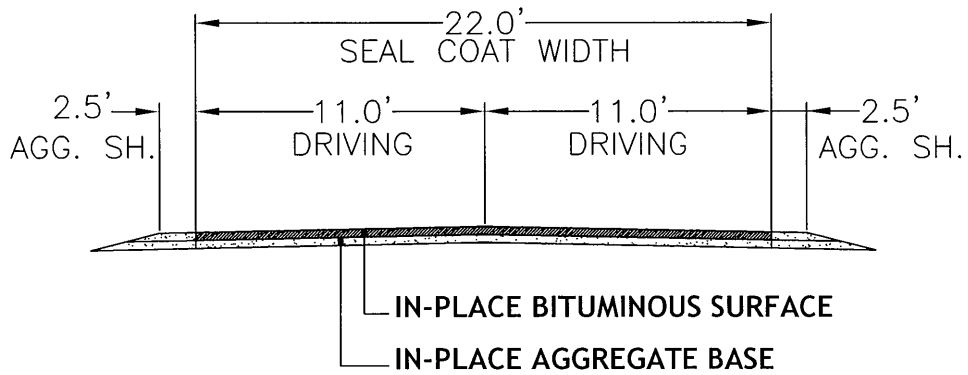
SHEET NO. 10 OF 16 SHEETS

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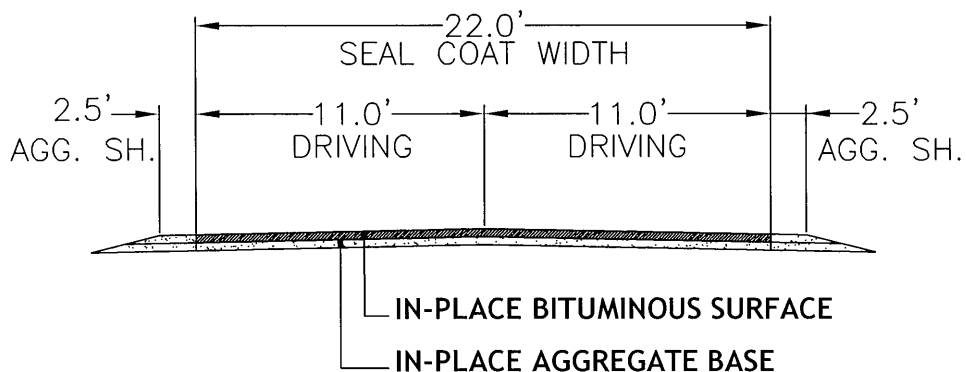
CSAH 8  
CSAH 13 TO 50' N OF THE INT. OF CSAH 15  
STA. 250+17 TO 518+36



CSAH 9  
TH 75 TO CSAH 7  
STA. 0+45 TO STA. 451+50

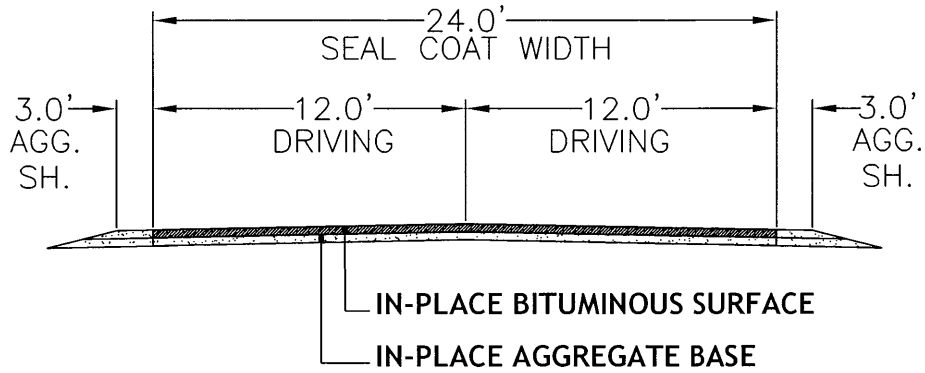


CSAH 10  
WEST COUNTY LINE TO CSAH 1  
STA. 0+00 TO STA. 76+34

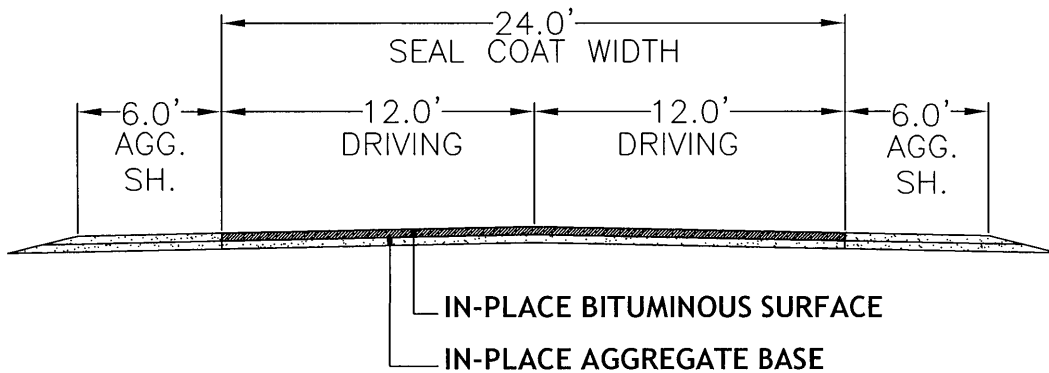


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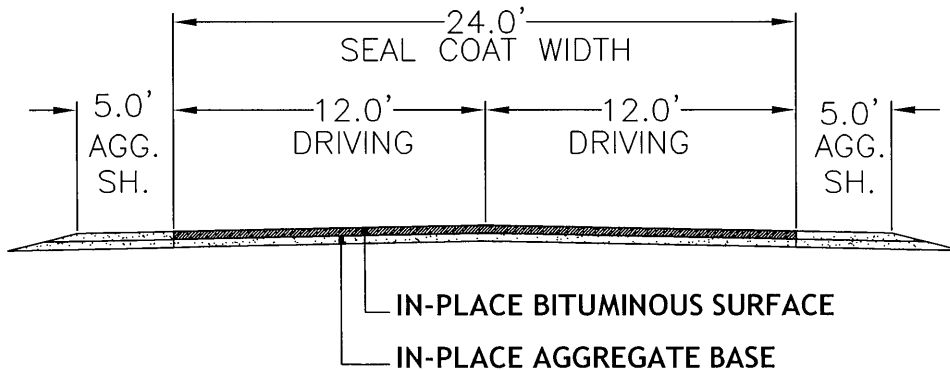
## CSAH 11 CSAH 8 TO THE EAST COUNTY LINE STA. 0+12 TO 107+50



## CSAH 12 TH 75 TO CSAH 13 STA. 375+00 TO 541+54

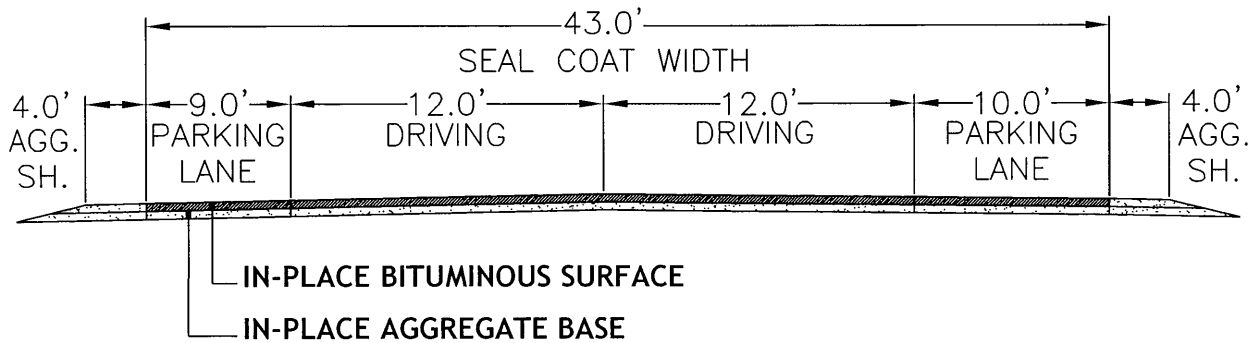


## CSAH 13 CSAH 8 TO EAST COUNTY LINE STA. 852+28 TO 956+30

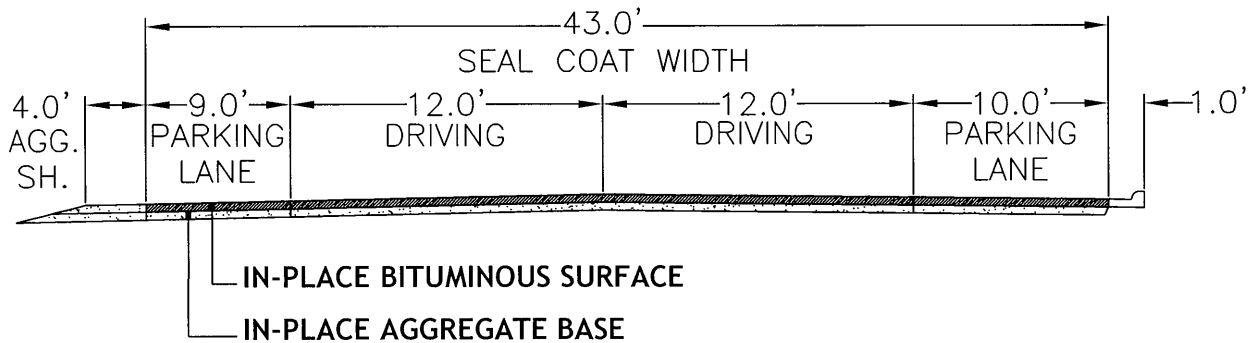


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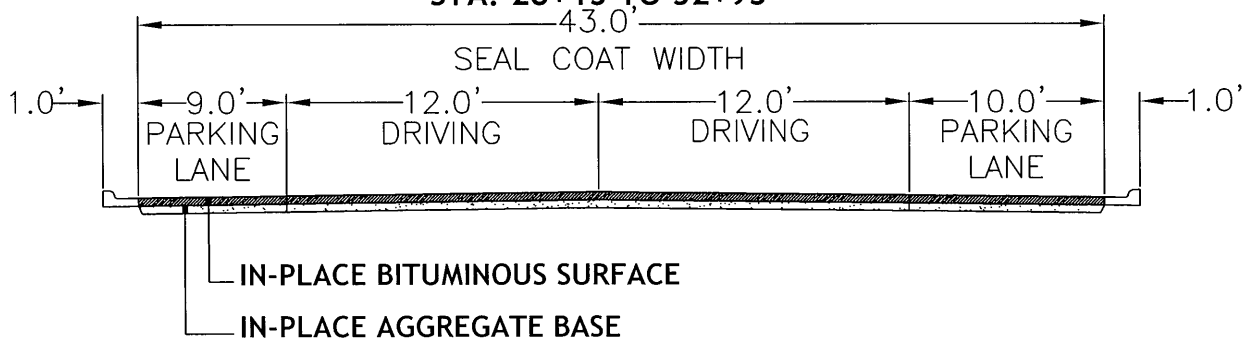
CSAH 8M  
TH 14 TO 150' N OF THE INT. OF CEDAR STREET  
STA. 0+25 TO STA. 7+50



CSAH 8M  
150' N OF THE INT. OF CEDAR STREET TO 100' N OF RAILROAD TRACKS  
STA. 7+50 TO 28+15  
150' S OF THE INT. OF HUGHES STREET TO CSAH 7  
STA. 32+95 TO 45+05

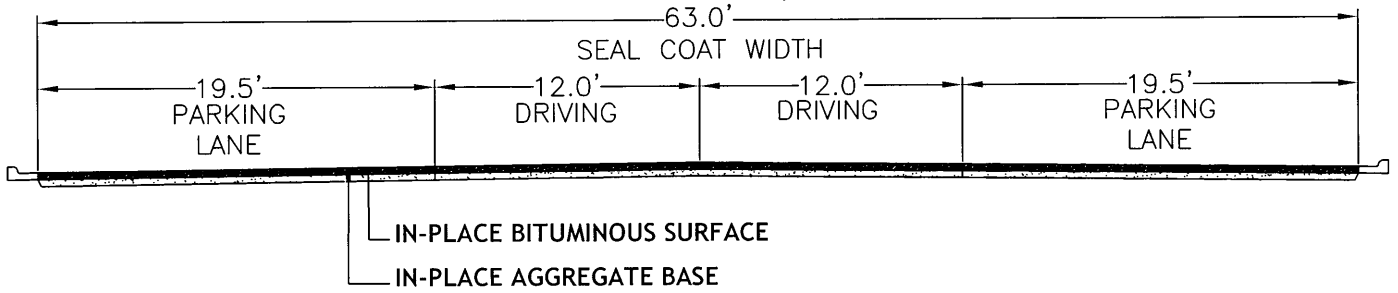


CSAH 8M  
100' N OF RAILROAD TRACKS TO 150' S OF THE INT. OF  
HUGHES STREET  
STA. 28+15 TO 32+95

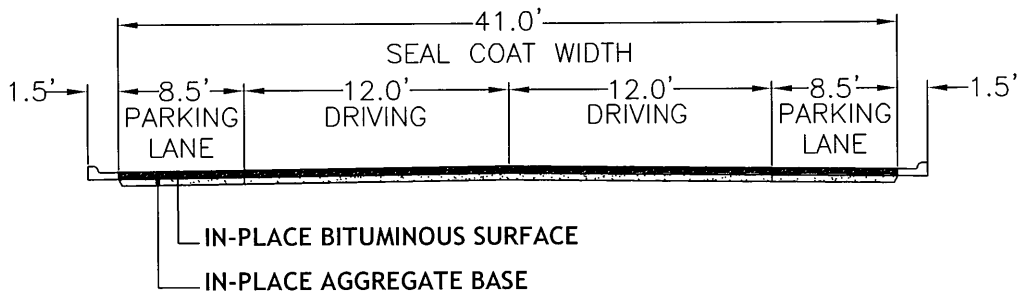


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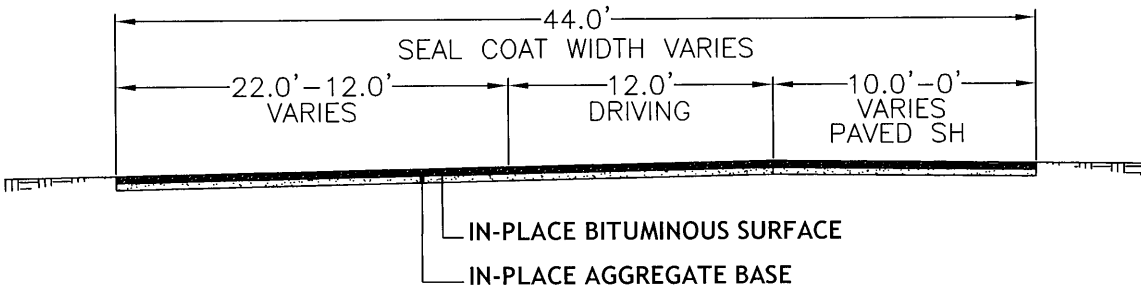
CSAH 24M  
 CSAH 24 (RAILROAD ST.) TO CSAH 17 (GARFIELD STREET)  
 STA. 0+27 TO STA. 7+85



CSAH 25M  
 RAILROAD ST. TO T.H. 75  
 STA. 22+29 TO 27+25



CSAH 25M  
 RAILROAD ST. TO T.H. 75  
 STA. 27+25 TO STA. 38+50



CERTIFIED BY

*Joseph M. Wilson*  
 LICENSED ENGINEER

LIC. NO. 54947

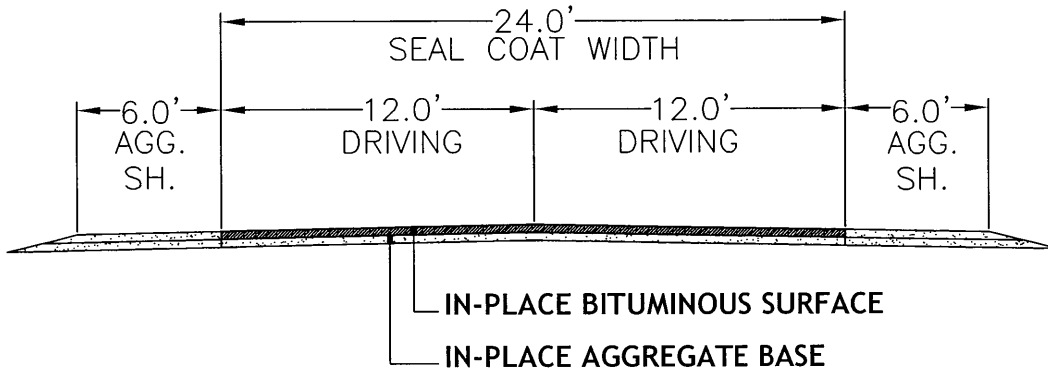
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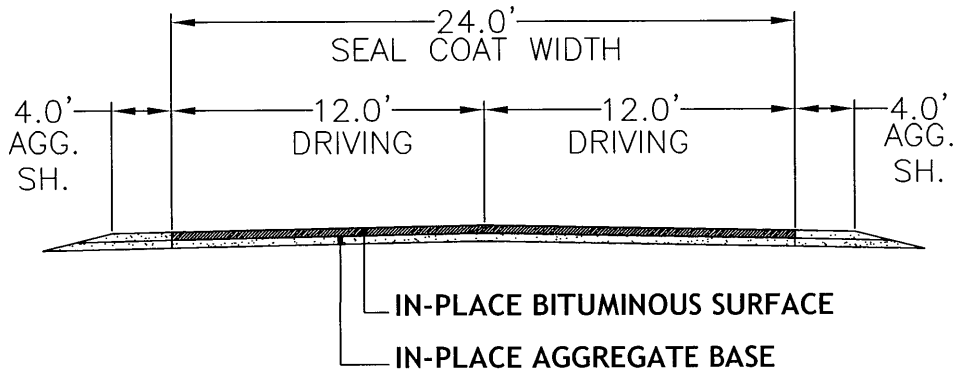
SHEET NO. 14 OF 16 SHEETS

# TYPICAL SECTIONS

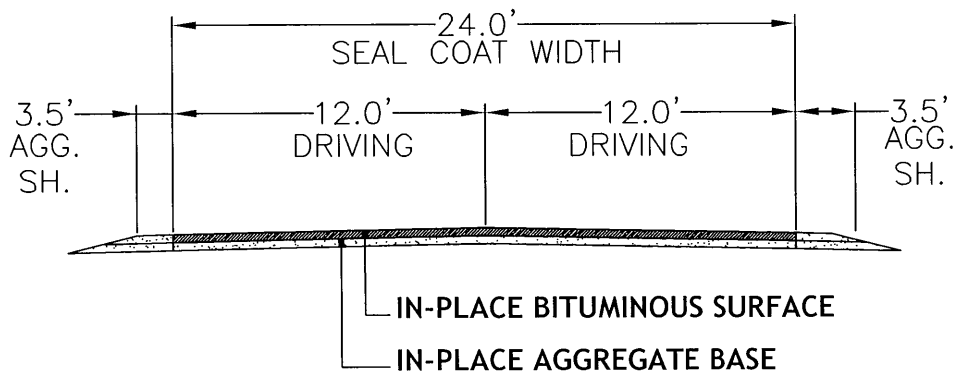
CSAH 25M  
STA. 38+50 TO STA. 68+92



CR 107  
TH 14 TO 160TH STREET  
STA. 0+30 TO STA. 54+40



CR 129  
3RD STREET TO 2ND STREET  
STA. 956+68 TO STA. 962+00



CERTIFIED BY

*Joseph M. Wilson*  
LICENSED ENGINEER

LIC. NO. 54947

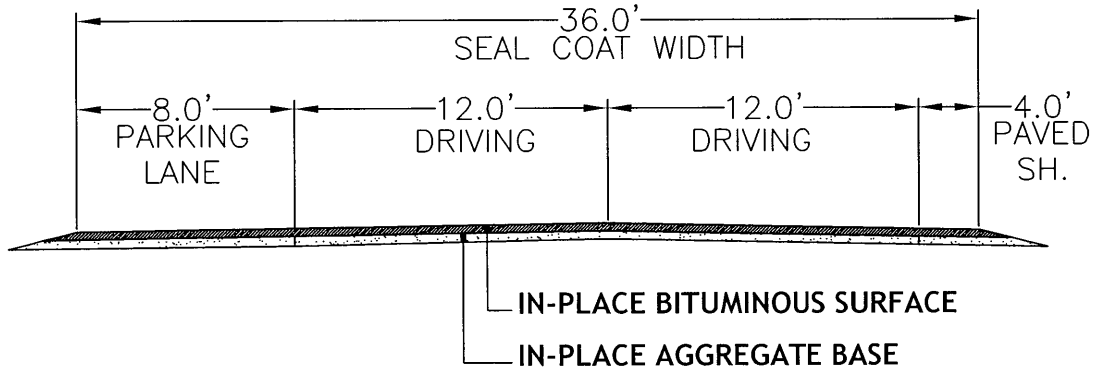
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S.A.P. 041-030-016

SHEET NO. 15 OF 16 SHEETS

# TYPICAL SECTIONS

CR 129  
2ND STREET TO CSAH 9  
STA. 962+00 TO STA. 966+33



CERTIFIED BY

*Joseph M. Wilson*  
LICENSED ENGINEER

LIC. NO. 54947

DATE: 3-16-23

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SHEET NO. 16 OF 16 SHEETS