HMA JOINT & CRACK SEALING
MP-030-6(708)279--76-16

LETTING DATE **12-15-26**

CEDAR COUNTY

IOWA DOT

REVISIONS

TOTAL 11

PROJECT IDENTIFICATION NUMBER
26-16-030-010

PROJECT NUMBER
MP-030-6(708)279--76-16

R.O.W. PROJECT NUMBER

PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM
CEDAR COUNTY
HMA JOINT & CRACK SEALING
WCL Stanwood to ECL Clarence

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.13 of the Specifications.

INDEX OF SHEETS

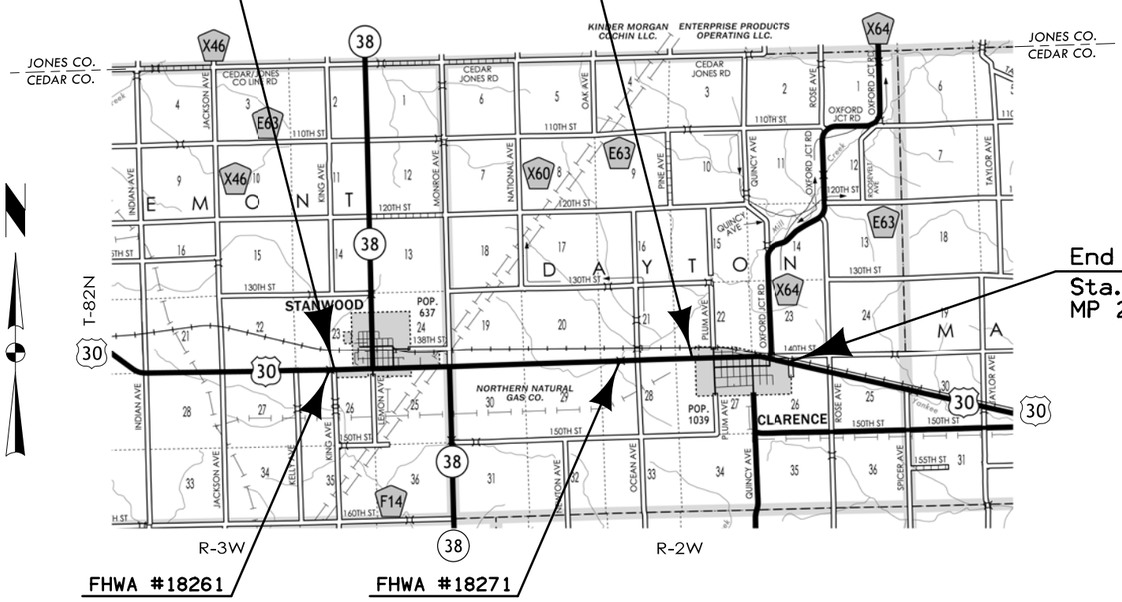
No.	DESCRIPTION
A Sheet	**Title Sheet**
A.1	Title Sheet
C Sheets	**Quantities and General Information**
C.1 - 3	Quantities and General Information
J Sheets	**Traffic Control**
J.1 - 3	Traffic Control Plan
U Sheets	**Detail Sheets**
U.1 - 4	Detail Sheets

IOWA ONE CALL
1-800-292-8989
www.iowaonecall.com
811 Know what's below. Call before you dig.

Begin Project
Sta. 572+25.45
MP 279.40

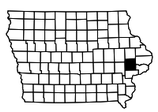
Equation:
Sta. 834+29.15 (Bk) =
Sta. 299+00.00 (Ah)
MP 284.40

End Project
Sta. 345+15.25
MP 285.35



Scan the QR code or click the link below to leave plan quality feedback and help us improve future projects.

Design QR Feedback Link



LOCATION MAP SCALE
0 1 2 3
Miles

DESIGN DATA URBAN

2024	AADT	5,400	V.P.D.
20 –	AADT	--	V.P.D.
20 –	DHV	--	V.P.H.
TRUCKS		15	%
Total Design ESALs		--	

ROADWAY DESIGN

LICENSED PROFESSIONAL ENGINEER
Seth M. Kjormoe
24111
IOWA

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Signature 9/30/26 Date

Seth M. Kjormoe
Printed or Typed Name

My license renewal date is December 31, 2026

Pages or sheets covered by this seal: ALL

FILE NO.	ENGLISH	DESIGN TEAM Kjormoe/Holub	CEDAR COUNTY	PROJECT NUMBER MP-030-6(708)279--76-16	SHEET NUMBER A.1

9:36:49 AM 9/30/2026 rholub pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1603001026\DistrictDesign\16030708a01.dgn

ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES

Roadway Items : MP-030-6(708)279--76-16

Item no.	Item Code	Item	Unit	Quantities Estimated Roadway Items	Estimate Reference Notes
1	2528-8445110	TRAFFIC CONTROL	LS	1	Refer to Tab. 108-23A.
2	2528-8445113	FLAGGERS	EACH	0	See Proposal.
3	2528-8445115	PILOT CARS	EACH	0	
4	2528-8445116	FLAGGER WITH AFAD	EACH	0	See Proposal.
5	2533-4980005	MOBILIZATION	LS	1	
6	2541-1004011	CRACK AND JOINT CLEANING AND SEALING (HMA SURFACES)	MILE	6.21	Refer to the location map for project limits. Refer to the U sheets for typical cross sections. The quantity includes 5.45 miles of 2 lane pavement and 0.38 mile of 2 lane pavement with 2-sided parking. Paved shoulders shall be included, but the length of paved shoulder regardless of width, will not be measured separately.
7	2541-1005001	SEALER MATERIAL (HMA SURFACES)	LB	14,904	

105_04
10/20/26

STANDARDS

The following Standards apply to construction work on this project.

Number	Date	Title
SI-881	10-20-26	Special Signs for Workzones
TC-1	10-15-19	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-202	04-18-23	Work Within 15 ft of Traveled Way
TC-213	04-18-23	Lane Closure with Flaggers
TC-214	04-18-23	Lane Closure with Flaggers for use with Pilot Car

262_06
9/28/22

UTILITIES (NOT A POINT 25 PROJECT)

This is NOT a POINT 25 project and is not subject to the provisions of IAC 761-115.25.

8/18/2026 12:32:59 PM Renee.Holub@dot.iowa.gov

108_23A
8/15/22

TRAFFIC CONTROL PLAN

1. Through traffic will be maintained on the project at all times.

8/18/2026 12:33:25 PM Renee.Holub@dot.iowa.gov

111_01
10/14/22

COORDINATED OPERATIONS

Other work in progress during the same period of time will include the construction of the projects listed. Coordinate operations with those of other contractors working within the same area.

Project	Type of Work
NHSX-030-8(062)--3H-16	HMA Pavement Widening
NHSX-030-8(053)--3H-16	HMA Pavement Widening

511 TRAVEL RESTRICTIONS

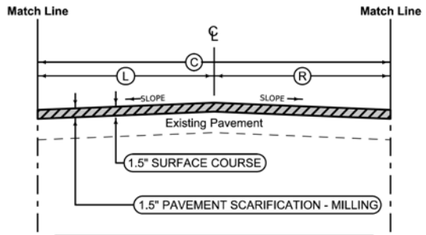
Route	Direction	County	Location Description	Feature Crossed	Object Type	Maint. Bridge No. or Structure ID or FHWA No.	Type of Restriction	Existing Measurement	Construction Measurement	Construction Measurement as Signed	Projected As Built Measurement	Remarks
US 30	Both	Cedar	0.6 mile west of west junction with Iowa 38	Rock Creek	Traffic Control Device	1679.5S030	Horizontal	44'	13'	N/A		FHWA #18261
US 30	Both	Cedar	2.3 mile east of the east junction with Iowa 38	Mill Creek	Traffic Control Device	1683.3S030	Horizontal	44'	13'	N/A		FHWA 318271

HMA RESURFACING

PAVEMENT SCARIFICATION - MILLING

CLASS 13 EXCAVATION

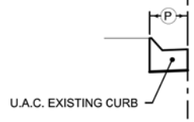
GRANULAR SHOULDER



STATION TO STATION		C Feet	L Feet	R Feet
				3R_Overlay_ 04-19-11
572+25.45	574+25.71	24.0	12.0	12.0
575+28.62	776+25.46	24.0	12.0	12.0
778+63.84	834+29.15	24.0	12.0	12.0

Curbed Shoulder

BEGIN STATION	END STATION	P Feet
		1R_Curb_ 10-18-22
574+05.40	574+25.71	--
576+28.62	575+48.81	--





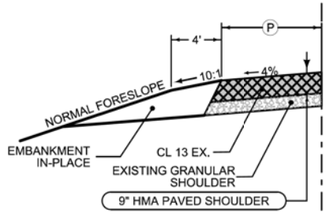
Curbed Shoulder

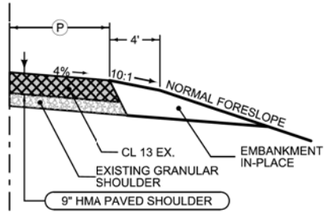
BEGIN STATION	END STATION	P Feet
		1R_Curb_ 10-18-22
574+05.40	574+25.71	--
576+28.62	575+48.81	--

Paved Shoulder at Guardrail

HMA Shoulder Jointing:
Longitudinal joint: B

STATION TO STATION		P Feet
		2_P_Guard_ 04-21-20
573+01.98	574+05.40	13.0 - 11.0
575+48.81	576+89.79	11.0 - 13.0
775+91.30	776+75.27	13.0 - 8.5
778+14.09	779+59.07	11.0 - 13.0





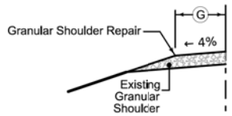
Paved Shoulder at Guardrail

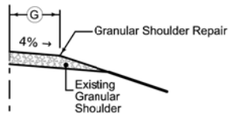
HMA Shoulder Jointing:
Longitudinal joint: B

STATION TO STATION		P Feet
		2_P_Guard_ 04-21-20
572+64.63	574+05.48	13.0 - 11.0
575+48.68	576+89.79	11.0 - 13.0
775+30.55	776+75.24	13.0 - 8.5
778+13.97	778+97.05	11.0 - 13.0

Type 'B' Granular Shoulder

STATION TO STATION		TONS PER STA.	T Inches	G Feet
				3R_Shldr_G_Overlay_A_ 10-18-11
577+29.74	590+68.44	9.67	2.0	8.0
591+13.88	596+51.36	9.67	2.0	8.0
631+97.41	637+14.14	9.67	2.0	8.0
641+38.09	654+67.05	9.67	2.0	8.0
662+31.42	726+41.56	9.67	2.0	8.0
727+19.44	774+33.68	9.67	2.0	8.0
780+58.82	785+72.07	9.67	2.0	8.0
786+29.10	788+75.35	9.67	2.0	8.0
789+85.34	813+14.99	9.67	2.0	8.0
813+89.97	831+67.99	9.67	2.0	8.0
832+37.53	834+29.15	9.67	2.0	8.0





Type 'B' Granular Shoulder

STATION TO STATION		TONS PER STA.	T Inches	G Feet
				3R_Shldr_G_Overlay_A_ 10-18-11
578+00.55	596+51.36	9.67	2.0	8.0
630+79.93	646+18.30	9.67	2.0	8.0
670+48.78	696+19.95	9.67	2.0	8.0
696+80.82	698+13.58	9.67	2.0	8.0
698+87.88	736+66.28	9.67	2.0	8.0
737+28.93	764+67.64	9.67	2.0	8.0
765+66.23	774+29.81	9.67	2.0	8.0
780+48.31	788+72.08	9.67	2.0	8.0
789+77.24	834+29.15	9.67	2.0	8.0

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

FILE NO.	ENGLISH	DESIGN TEAM HARLE/STANLEY	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(058)--2R-16	SHEET NUMBER B.1	

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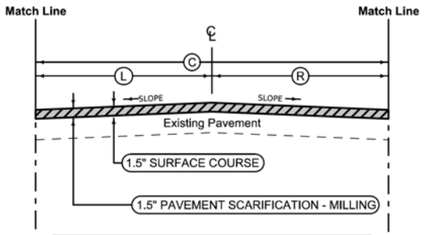
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HMA RESURFACING

PAVEMENT SCARIFICATION - MILLING

CLASS 13 EXCAVATION

GRANULAR SHOULDER



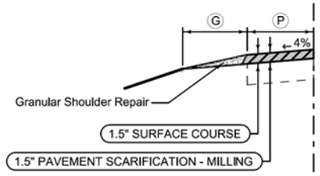
3R_Overlay_ 04-19-11

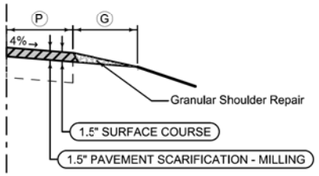
STATION TO STATION		C Feet	L Feet	R Feet
572+25.45	574+25.71	24.0	12.0	12.0
575+28.62	776+25.46	24.0	12.0	12.0
778+63.84	834+29.15	24.0	12.0	12.0

Combination Shoulder

3R_Shldr_Paved_ Modified

STATION TO STATION		P Feet	G Feet
572+25.45	573+01.98	4.0	4.0
576+89.79	577+29.74	4.0	4.0
596+51.36	603+52.59	10.0	Fillet
605+39.33	631+97.41	10.0	Fillet
774+33.68	775+91.30	4.0	4.0
779+59.07	780+58.82	4.0	4.0

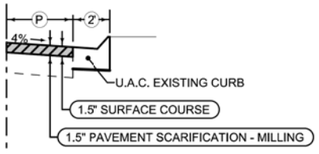




Combination Shoulder

3R_Shldr_Paved_ Modified

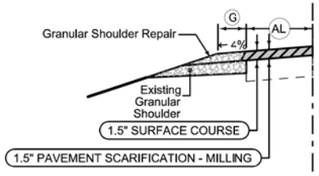
STATION TO STATION		P Feet	G Feet
572+25.45	572+64.63	4.0	4.0
596+51.36	601+16.55	10.0	Fillet
601+74.90	609+96.16	10.0	Fillet
615+60.35	630+79.93	10.0	Fillet
646+18.30	650+47.62	4.0	4.0
669+65.38	670+48.78	4.0	4.0
774+29.81	775+30.55	4.0	4.0
778+97.05	780+48.31	4.0	4.0



Curbed Shoulder

1R_Curb_ Modified

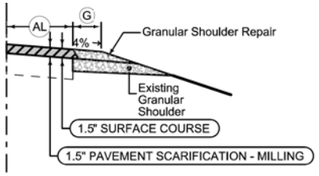
BEGIN STATION	END STATION	P Feet
609+96.16	615+60.35	10.0



Auxiliary Lane

2_AuxLane_HMA_ Modified

STATION TO STATION		AL Feet	TONS PER STA.	T Inches	G Feet
637+14.14	641+38.09	2.0 - 48.0	2.42	2.0	2.0
654+67.05	658+04.60	4.0 - 12.0	4.83	2.0	4.0
658+04.60	662+31.42	12.0 - 4.0	4.83	2.0	4.0



Auxiliary Lane

2_AuxLane_HMA_ Modified

STATION TO STATION		AL Feet	TONS PER STA.	T Inches	G Feet
650+47.62	657+05.00	4.0 - 125.0	4.83	2.0	4.0
658+80.00	669+65.38	125.0 - 4.0	4.83	2.0	4.0

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FILE NO.	ENGLISH	DESIGN TEAM HARLE/STANLEY	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(058)--2R-16	SHEET NUMBER B.2

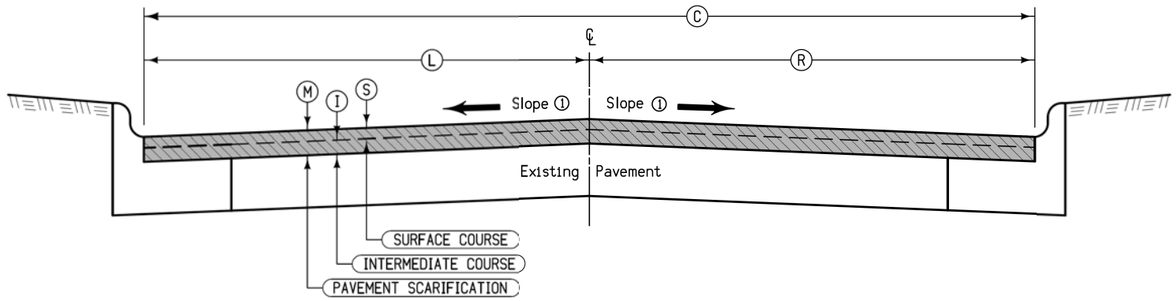
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FILE NO.	ENGLISH	DESIGN TEAM Kjormoe/Holub	CEDAR COUNTY	PROJECT NUMBER MP-030-6(708)279--76-16	SHEET NUMBER U.2

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= HMA Resurfacing

= Pavement Scarification



TYPICAL CROSS SECTION HMA RESURFACING WITH MILLING

2602-A MODIFIED

Notes:

① Finished slope of the driving lanes shall be no less than 2% minimum and no more than 3% maximum.

Cross-slope correction shall be done by pavement scarification and shall not reduce the current usuable curb and gutter height or reduce thickness of the intermediate or surface course.

② Tack Coat estimated for 2 applications. Not a bid Item.

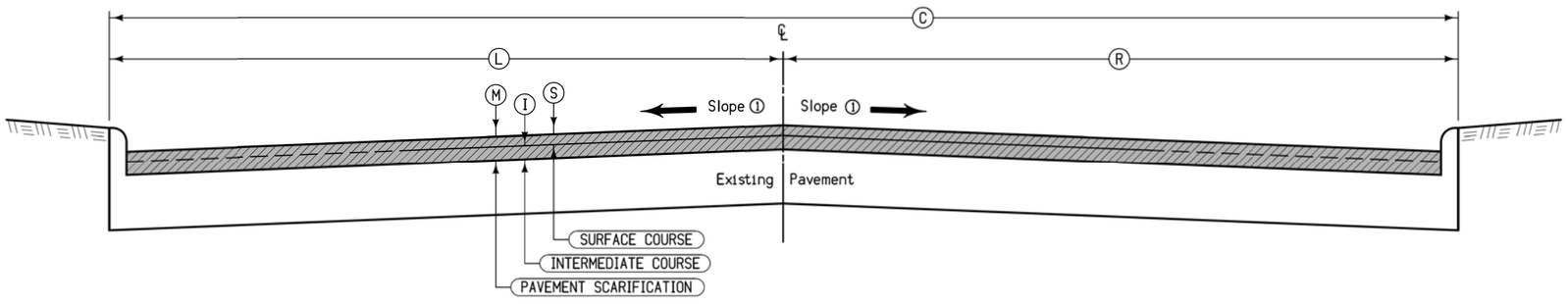
DESIGN RATES	
ITEM	RATE
Surface Course	155 lbs./cu. ft.
Intermediate Course	150 lbs./cu. ft.
Tack Coat	0.05 gal./sq. yds.

TABLE OF DESIGN QUANTITIES Per Station

Location			(S)	(I)	(M)	(C)	(L)	(R)	Tack Coat ②	Asphalt Binder	Hot Mix Asphalt (Tons)	Hot Mix Asphalt (Tons)	Pavement Scarification	Remarks
Road Id	Station to Station		Inches	Inches	Inches	Feet	Feet	Feet	Gallons	Tons	Surface	Intermediate	Tons	
US 30	299+00.00	313+67.30	1.5	2.0	3.5	30.0	15.0	15.0	33.33	3.99	29.06	37.50	63.44	

= HMA Resurfacing

= Pavement Scarification



TYPICAL CROSS SECTION HMA RESURFACING WITH MILLING

2602-B MODIFIED

Notes:

① Finished slope of the driving lanes shall be no less than 2% minimum and no more than 3% maximum.

Cross-slope correction shall be done by pavement scarification and shall not reduce the current usuable curb and gutter height or reduce thickness of the intermediate or surface course.

② Tack Coat estimated for 2 applications. Not a bid Item.

DESIGN RATES	
ITEM	RATE
Surface Course	155 lbs./cu. ft.
Intermediate Course	150 lbs./cu. ft.
Tack Coat	0.05 gal./sq. yds.

TABLE OF DESIGN QUANTITIES Per Station

Location			(S)	(I)	(M)	(C)	(L)	(R)	Tack Coat ②	Asphalt Binder	Hot Mix Asphalt (Tons)	Hot Mix Asphalt (Tons)	Pavement Scarification	Remarks
Road Id	Station to Station		Inches	Inches	Inches	Feet	Feet	Feet	Gallons	Tons	Surface	Intermediate	Tons	
US 30	313+67.30	325+20.57	1.5	2.0	3.5	32.0	16.0	16.0	35.56	4.26	31.00	40.00	67.67	
US 30	333+48.50	344+35.94	1.5	2.0	3.5	44.0	22.0	22.0	48.89	5.86	42.63	55.0	93.04	
US 30	344+35.94	345+15.04	1.5	2.0	3.5	44.0-40.0	22.0-20.0	22.0-20.0	44.44	5.33	38.75	50.00	84.58	

IN CLARENCE

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NOT FOR CONSTRUCTION

FILE NO.	ENGLISH	DESIGN TEAM Harle/Stanley	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(49)--2R-16	SHEET NUMBER B.1	

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FILE NO.	ENGLISH	DESIGN TEAM **Kjormoe/Holub**	**CEDAR** COUNTY	PROJECT NUMBER **MP-030-6(708)279--76-16**	SHEET NUMBER **U.3**	

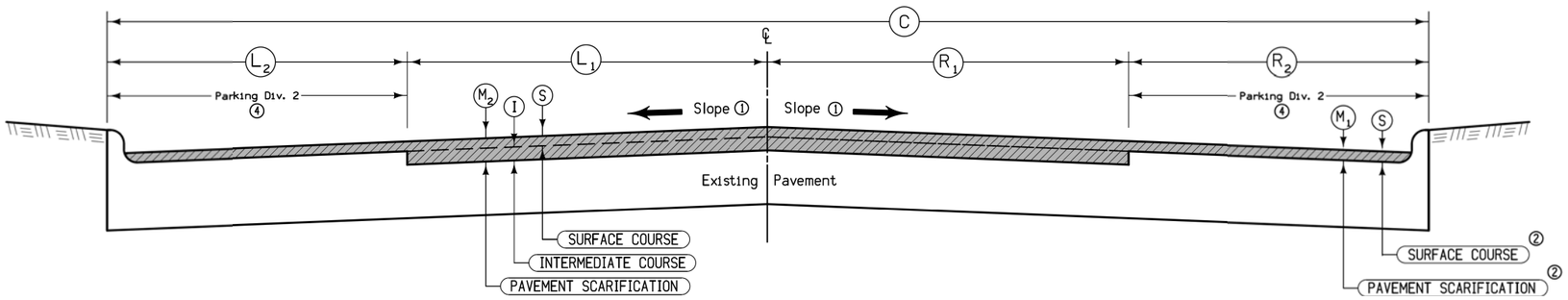
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TYPICAL CROSS SECTION
HMA RESURFACING WITH MILLING

2602-C
MODIFIED

= HMA Resurfacing

= Pavement Scarification



Notes:

① Finished slope of the driving lanes shall be no less than 2% minimum and no more than 3% maximum.

Cross-slope correction shall be done by pavement scarification and shall not reduce the current usable curb and gutter height or reduce thickness of the intermediate or surface course.

② Pavement scarification and surface course for parking areas shall be 1.5 inches.

③ Tack Coat estimated for 2 applications. Not a bid Item.

④ Quantities in Division 2 except where noted otherwise.

⑤ All quantities in Division 1.

⑥ L_2 quantities in Division 1.

⑦ R_2 quantities in Division 1.

DESIGN RATES	
ITEM	RATE
Surface Course	155 lbs./cu. ft.
Intermediate Course	150 lbs./cu. ft.
Tack Coat	0.05 gal./sq. yds.

TABLE OF DESIGN QUANTITIES Per Station

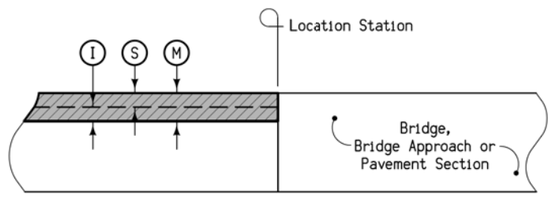
Location			(S)	(I)	(M_1)	(M_2)	(C)	(L_2)	(L_1)	(R_1)	(R_2)	Tack Coat ③	Asphalt Binder	Hot Mix Asphalt (Tons)	Hot Mix Asphalt (Tons)	Pavement Scarification	Remarks
Road Id	Station to Station		Inches	Inches	Inches	Inches	Feet	Feet	Feet	Feet	Feet	Gallons	Tons	Surface	Intermediate	Tons	
US 30	325+20.57	325+24.56	1.5	2.0	1.5	3.5	41.0	10.0	15.0	16.0	--	40.00	4.71	39.72	38.75	74.61	⑤
US 30	325+24.56	325+67.21	1.5	2.0	1.5	3.5	50.0	10.0	15.0	15.0	10.0	44.44	5.16	48.44	37.50	81.56	⑤
US 30	325+67.21	326+06.74	1.5	2.0	1.5	3.5	50.0	10.0	15.0	15.0	10.0	44.44	5.16	48.44	37.50	81.56	⑥
US 30	326+06.71	328+62.62	1.5	2.0	1.5	3.5	50.0	10.0	15.0	15.0	10.0	44.44	5.16	48.44	37.50	81.56	
US 30	328+62.62	328+95.53	1.5	2.0	1.5	3.5	50.0	10.0	15.0	15.0	10.0	44.44	5.16	48.44	37.50	81.56	⑦
US 30	328+95.53	330+08.15	1.5	2.0	1.5	3.5	50.0	10.0	15.0	15.0	10.0	44.44	5.16	48.44	37.50	81.56	⑤
US 30	330+08.15	330+33.56	1.5	2.0	1.5	3.5	50.0	10.0	15.0	15.0	10.0	44.44	5.16	48.44	37.50	81.56	⑥
US 30	330+33.56	333+09.49	1.5	2.0	1.5	3.5	50.0	10.0	15.0	15.0	10.0	44.44	5.16	48.44	37.50	81.56	
US 30	333+09.49	333+48.67	1.5	2.0	1.5	3.5	50.0	10.0	15.0	15.0	10.0	44.44	5.16	48.44	37.50	81.56	⑦

= HMA Resurfacing

= Pavement Scarification

SURFACE NOTCH FOR DOUBLE COURSE RESURFACING OF MILLED AREAS

7305-A
MODIFIED



Location	(I) Inches	(S) Inches	(M) Inches	Remarks
Mainline				
299+00.00	1.5	2.0	3.5	Beginning of Project
345+15.04	1.5	2.0	3.5	End of Project

IN CLARENCE

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

FILE NO.	ENGLISH	DESIGN TEAM Harle/Stanley	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(49)--2R-16	SHEET NUMBER B.2

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FILE NO.	ENGLISH	DESIGN TEAM **Kjormoe/Holub**	**CEDAR** COUNTY	PROJECT NUMBER **MP-030-6(708)279--76-16**	SHEET NUMBER **U.4**

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