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	* Color Plan Sheets



PLANS OF PROPOSED IMPROVEMENT ON THE
PRIMARY ROAD SYSTEM
DALLAS COUNTY
HMA Resurfacing
At US 169 Interchange (WB)

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

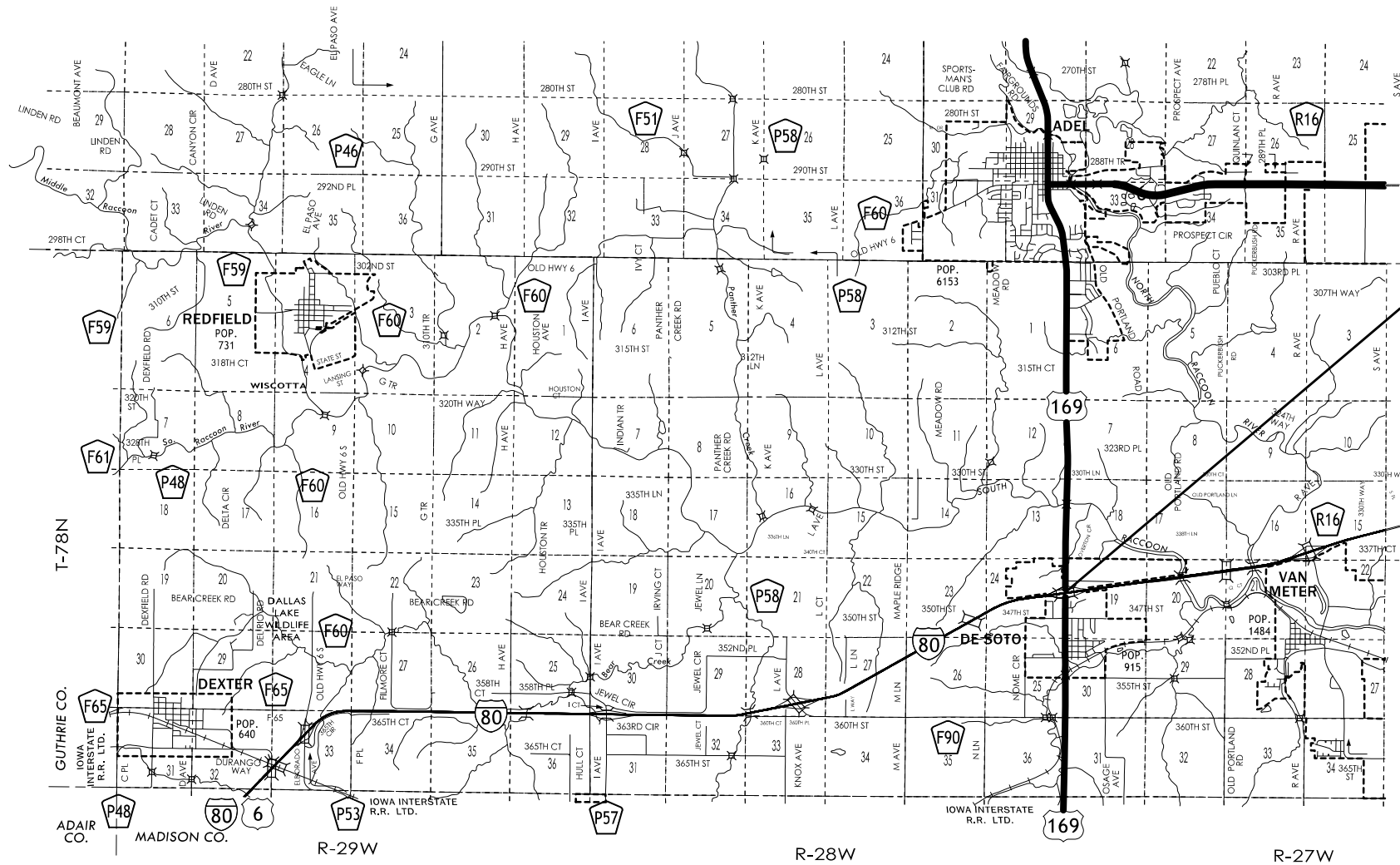
Value Engineering Saves. Refer to Article 1105.14 of the Specifications.



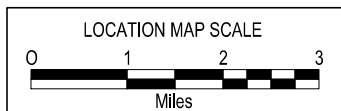
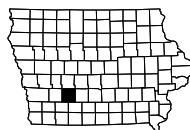
DESIGN DATA RURAL			
2024	AADT	30,700	V.P.D.
20 --	AADT	—	V.P.D.
20 --	DHV	—	V.P.H.
TRUCKS		31.73	%
Total			
Design ESALs		—	

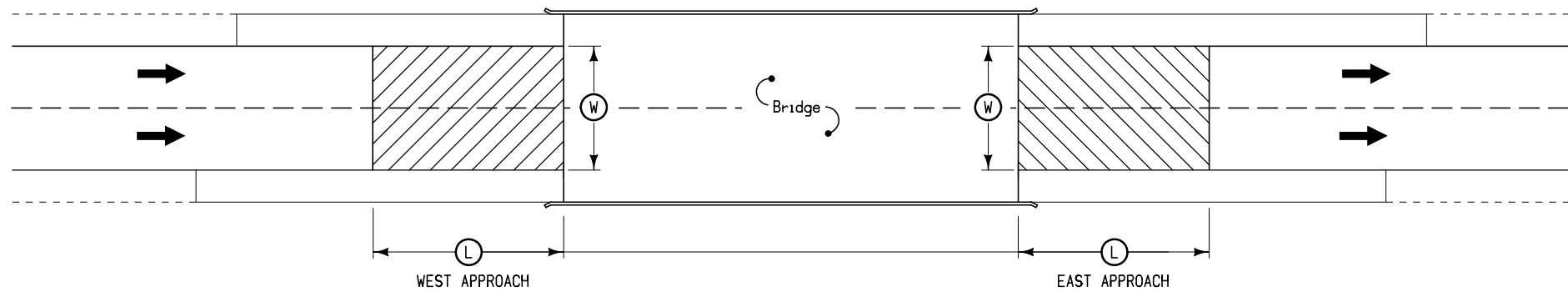
REVISIONS	
	TOTAL 8
PROJECT IDENTIFICATION NUMBER	
26-25-080-030	
PROJECT NUMBER	
MBIN-080-4(515)110--0M-25	
R.O.W. PROJECT NUMBER	

ROADWAY DESIGN	
	<p>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.</p> <p>Signature: <u>Travis R. Malone</u> Date: <u>03-20-2026</u></p> <p>Printed or Typed Name: <u>Travis R. Malone</u></p> <p>My license renewal date is December 31, 2026</p>
Pages or sheets covered by this seal: <u>ALL</u>	



PROJECT LOCATION
Maint. # 2510.1L080
FHWA # 22290



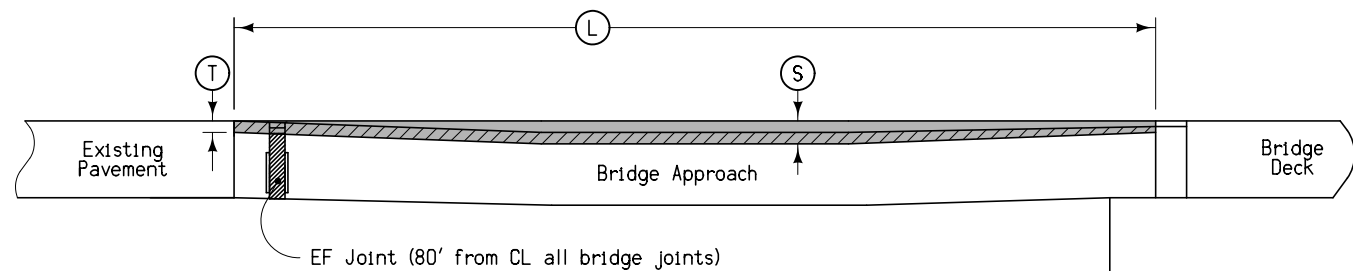


Plan View

- Ⓛ - Measured along roadway centerline.
 ▨ - Area of Milling and Leveling
 (Shoulders to be included)

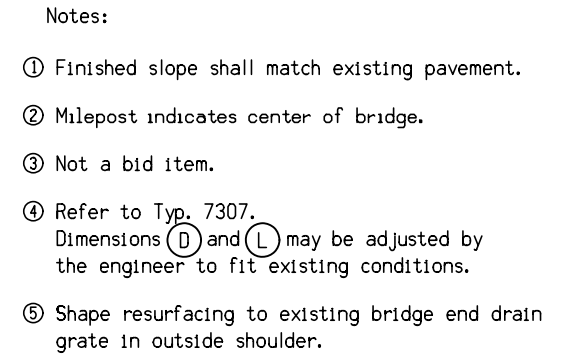
- = HMA Resurfacing
 ▨ = Pavement Scarification

7307
MODIFIED



- Ⓛ = Approximate Length of Resurfacing.
 Ⓢ = Surface Course (Minimum 1.0" Thickness)
 Ⓣ = Pavement Scarification as needed to obtain smoothness.
 Depth of Surface Notch shall be 1.0".

LONGITUDINAL SECTION FOR
HMA RESURFACING
AT BRIDGE APPROACH



PROPOSED CROSS SECTION HMA RESURFACING WITH MILLING (BRIDGE APPROACH)

DESIGN RATES	
ITEM	RATE
Surface Course	145 lbs./cu. ft.
Tack Coat	0.05 gal./sq. yd.

ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES

Roadway Items : Roadway Items

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Roadway Items	
1	2214-5145150	PAVEMENT SCARIFICATION	SY	800	Refer to Tab 2602-A Modified. Milling shall be a 1" nominal thickness. At no point shall milling depth be greater than the top of the reinforcing steel
2	2303-0001000	HOT MIX ASPHALT MIXTURE, WEDGE, LEVELING OR STRENGTHENING COURSE	TON	54.37	Refer to Tab 2602-A Modified. HMA thickness is a nominal 1". Depth may vary due to uneven pavement surface. Finished surface shall provide smooth transition from pavement to bridge. Includes a 25% increase to account for pavement irregularities and to accomplish a smooth ride. HMA shall be Very High Traffic Surface Course, 1/2" mix, L-3 friction required.
3	2303-1258285	ASPHALT BINDER, PG 58-28V, VERY HIGH TRAFFIC	TON	3.26	Refer to Tab 2602-A Modified. Estimated at 6% of HMA Mixture.
4	2527-9263216	PAINTED PAVEMENT MARKINGS, MULTI-COMPONENT LIQUID	STA	4.5	Refer to Tab 108_22.
5	2527-9270112	GROOVES CUT FOR PAVEMENT MARKINGS	STA	4.5	Refer to Tab 108_22.
6	2528-8445110	TRAFFIC CONTROL	LS	1	Refer to Traffic Control Plan.
7	2533-4980005	MOBILIZATION	LS	1	

PROJECT DESCRIPTION	100_01D 8/15/22
HMA milling and resurfacing of bridge approaches on I-80 WB at US 269 (MP 110.1)	

STANDARDS			105_04 4/21/26
The following Standards apply to construction work on this project.			
Number	Date	Title	
PM-110	10-15-24	Line Types	
PM-115	04-15-25	Grooving for Line Types	
PR-202	10-21-14	Notches for Resurfacing (with or without Runout)	
SI-881	04-16-19	Special Signs for Workzones	
TC-1	10-15-19	Work Not Affecting Traffic (Two-Lane or Multi-Lane)	
TC-402	04-18-23	Work Within 15 ft of Traveled Way	
TC-418	04-18-23	Lane Closure on Divided Highway	
TC-431	04-15-25	Slow Moving Vehicle Operating in the Traffic Lane	
TC-433	10-17-17	Pavement Marking Operations	
TC-482	04-19-22	Uneven Lanes	

UTILITIES (NOT A POINT 25 PROJECT)	262_004 9/28/22
This is NOT a POINT 25 project and is not subject to the provisions of IAC 761-115.25.	

102_05 9/29/23																					
EXISTING PAVEMENT																					
Line No.	County	Route	Direction of Travel	Begin Ref. Location Sign	End Ref. Location Sign	Year	Type	Project Number	Surface Type	Surface Depth (IN)	Base Type	Base Depth (IN)	Subbase Type	Subbase Depth (IN)	Removal Type	Removal Depth (IN)	Coarse Aggregate Source	Coarse Aggregate Type	Course Aggregate Durability Class	Reinforcement Type	Remarks
1.0	Dallas	I-80	Both	106.71	110.81	2024	M	MPIN-080-4(728)0--0N-78	PCC											PCC patching	
2.0	Dallas	I-80	Both	106.71	110.81	2023	M	MPIN-080-4(726)0--0N-78												PCC patching	
3.0	Dallas	I-80	Both	106.71	110.81	2022	M	MPIN-080-4(725)0--0N-78	PCC											PCC patching	
4.0	Dallas	I-80	Both	106.71	110.81	2021	M	MPIN-080-4(723)0--0N-78												PCC patching	
5.0	Dallas	I-80	Both	106.71	110.81	2021	M	MPIN-080-4(722)5--0N-78												HMA crack sealing	
6.0	Dallas	I-80	Both	106.71	110.81	2020	M	MPIN-080-4(721)0--0N-78	PCC											PCC patching	
7.0	Dallas	I-80	Both	106.71	110.81	2019	M	MPIN-080-4(720)0--0N-78	PCC											PCC patching	
8.0	Dallas	I-80	Both	106.71	110.81	2019	S	MPIN-080-4(717)110--0N-25													
9.0	Dallas	I-80	Both	106.71	110.81	2018	M	IMN-080-1(421)50--0E-15	PCC											PCC patching	
10.0	Dallas	I-80	Both	106.71	110.81	1989		IR-80-3(57)106	PCC	11.5	GSB	9.0					ALDEN/SHAFFTON	DOLOM.	3		7.9M WIDE

108_22 11/25/25														
PAVEMENT MARKING LINE TYPES														
Line factors based on 6-inch wide continuous line. *BCY4 - Place on the same side of the roadway to match existing markings near the project. **NPY4 - Estimating purposes only. No Passing Zone Lines will be located in the field. ***MNY6 - Factor of 1.00 includes number of 6-inch passes to cover median nose area. BCY4: Broken Centerline (Yellow) @ 0.17 BCY6: Broken Centerline (Yellow) @ 0.25 BLC6: Broken Line Contrast (White/Black) @ 0.50 BLW4: Broken Lane Line (White) @ 0.17 BLW6: Broken Lane Line (White) @ 0.25 CBW6: Crosswalk Bar (White) @ 10.00 CHW8: Channelizing Line (White) @ 1.33 CHW10: Channelizing Line (White) @ 1.67 CHY8: Channelizing Line (Yellow) @ 1.33 CHY10: Channelizing Line (Yellow) @ 1.67 CLW6: Crosswalk Line (White) @ 2.00 DCY4: Double Centerline (Yellow) @ 1.34 DCY6: Double Centerline (Yellow) @ 2.00 DDY4: Double Dotted Line (Yellow) @ 0.44 DDY6: Double Dotted Line (Yellow) @ 0.67 DLW4: Dotted Line (White) @ 0.22 DLW6: Dotted Line (White) @ 0.33 DLY4: Dotted Line (Yellow) @ 0.22 DLY6: Dotted Line (Yellow) @ 0.33 ELW4: Edge Line Right (White) @ 0.67 ELW6: Edge Line Right (White) @ 1.00 ELY4: Edge Line Left (Yellow) @ 0.67 ELY6: Edge Line Left (Yellow) @ 1.00 LDW8: Lane Drop (White) @ 0.33 LDW10: Lane Drop (White) @ 0.42 MNY6: Median Nose (Yellow) @ 1.00 NPY4: No Passing Zone Line (Yellow) @ 0.84 NPY6: No Passing Zone Line (Yellow) @ 1.25 RLW4: Ramp Edge Line Right (White) @ 0.67 RLW6: Ramp Edge Line Right (White) @ 1.00 RLY4: Ramp Edge Line Left (Yellow) @ 0.67 RLY6: Ramp Edge Line Left (Yellow) @ 1.00 SLW2: Stop Line (White) @ 4.00 SLW4: Solid Lane Line (White) @ 0.67 SLW6: Solid Lane Line (White) @ 1.00 SPW4: Sloped Curb 4" (White) @ 2.16 SPW6: Sloped Curb 6" (White) @ 2.28 SPY4: Sloped Curb 4" (Yellow) @ 2.16 SPY6: Sloped Curb 6" (Yellow) @ 2.28 STW6: Standard Curb 6" (Yellow) @ 2.03 STY6: Standard Curb 6" (Yellow) @ 2.03 YLW2: Yield Line (White) @ 1.15														
Line No.	Road ID	Station From	Station To	Lane	Marking Type	Left	Center	Right	Groove Marking Needed?	Groove Qty. (STA)	BLC6 Factored (STA)	ELW6 Factored (STA)	ELY6 Factored (STA)	Remarks
1.0	I-80	643+02.30	643+92.30	WB	Multi-Component Liquid Material	X	X	X	Yes	2.25	0.45	0.90	0.90	
2.0	I-80	646+03.55	646+93.55	WB	Multi-Component Liquid Material	X	X	X	Yes	2.25	0.45	0.90	0.90	
Total:						4.5		0.9		1.8		1.8		

102_16 11/1/24									
NOTCHES AND RUNOUTS FOR RESURFACING									
Refer to PR-201 and PR-202.									
(1) Bid item. Applies only to Types 'N1' and 'N3' on PR-202. Refer to 100-25 for remaining values.									
Line No.	Station	Type of Notch or Runout	S (IN)	I (IN)	DI (IN)	L (FT)	M (IN)	Pavement Scarification (SY) (1)	Remarks
1.0	643+02.30	Type N2	1.0				1.0		
2.0	643+92.30	Type N2	1.0				1.0		
3.0	646+03.55	Type N2	1.0				1.0		
4.0	646+93.55	Type N2	1.0				1.0		

Station locations taken from Iowa DOT project plan IMN-080-3(306)110--0E-25

108_23A
8/15/22

TRAFFIC CONTROL PLAN

Through traffic will be maintained on the project at all times. Traffic control on this project shall be in accordance with the TC series of the Standard Road Plans on Tabulation 105-4. Refer to the current Standard Specifications for additional information. The contractor shall coordinate traffic control with other projects in the area. Nighttime closures only will be allowed. Lane closures allowed Sunday through Thursday from 6 PM to 6 AM. No lane closures from Friday 6 AM through Sunday 6 PM. No shoulder closures during peak commuter periods Monday through Friday 6 AM to 9 AM and 3 PM to 6 PM.

511 TRAVEL RESTRICTIONS													108_25 3/28/24
Line No.	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
1.0	I-80	WB	Dallas	MP 110.1		Traffic Control Device	2510.1L080	Horizontal					

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
MPIN-080-4(732)0--0N-78	PCC Patching