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PLANS OF PROPOSED IMPROVEMENT ON THE
PRIMARY ROAD SYSTEM
CARROLL COUNTY
HMA Crack Filling
N Jct US 71 to Co Rd N46/Highway St
in Coon Rapids

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				
2026	AADT	2,020	V.P.D.	
2046	AADT	-	V.P.D.	
2046	DHV	-	V.P.H.	
	TRUCKS	13	%	
	Total			
	Design ESALs	-		

REVISIONS		TOTAL
		10
PROJECT IDENTIFICATION NUMBER		
26-14-141-030		
PROJECT NUMBER		
MP-141-3(708)87--76-14		
R.O.W. PROJECT NUMBER		

ROADWAY DESIGN

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

Justin M. Pottorff

Date

08/04/2026

Printed or Typed Name

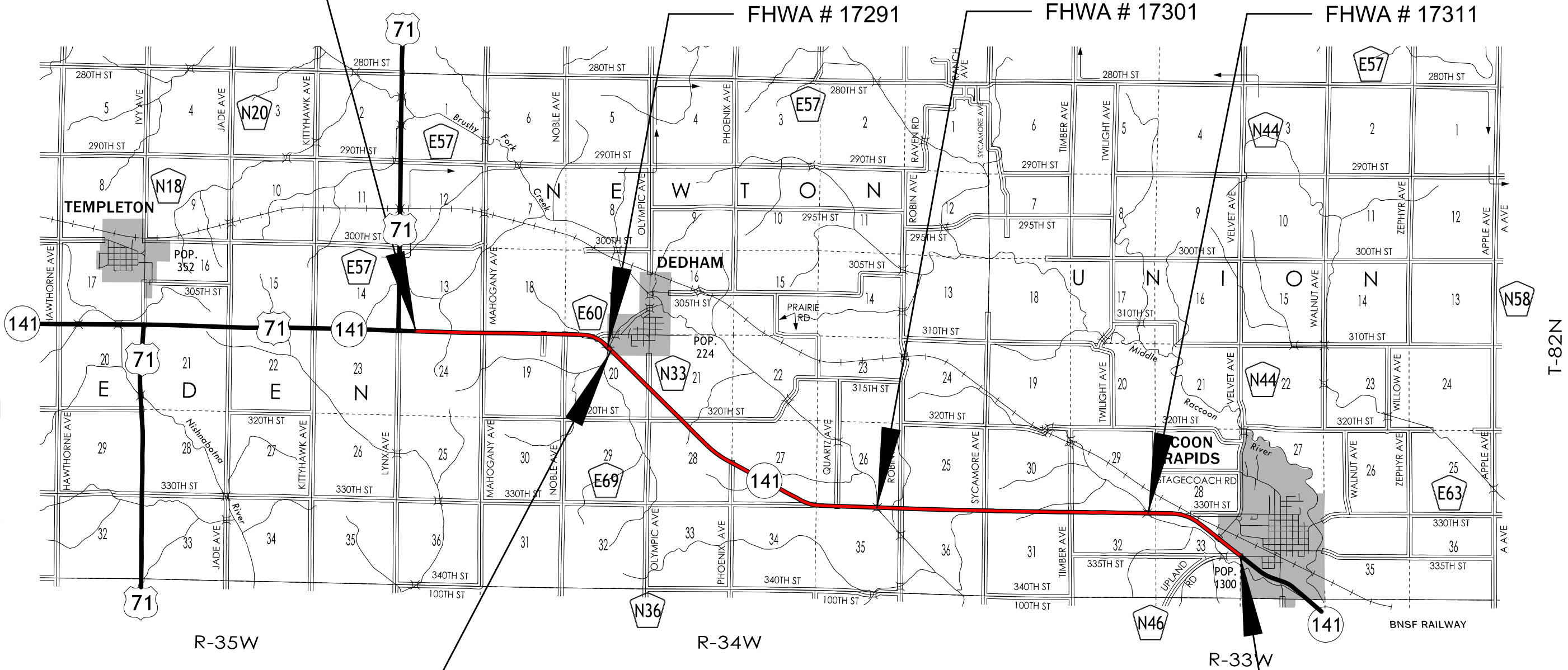
JUSTIN M. POTTORFF

My license renewal date is December 31, 2026

Pages or sheets covered by this seal:

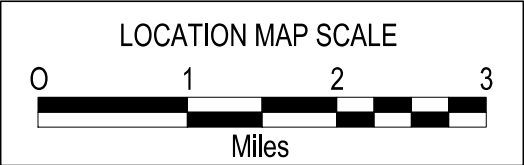
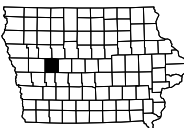
ALL

BEGIN CONSTRUCTION
MP 87.05
Start 450 gallon/mile



MP 89.23
End 450 gallon/mile
Begin 250 gallon/mile

END CONSTRUCTION
MP 97.54



ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES

Iowa DOT : Roadway Items

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Iowa DOT	
1	2528-8445110	TRAFFIC CONTROL	LS	1	Refer to Traffic Control Plan on J Sheets.
2	2528-8445115	PILOT CARS	EACH	0	See Proposal.
3	2528-8445116	FLAGGER WITH AFAD	EACH	0	See Proposal.
4	2533-4980005	MOBILIZATION	LS	1	--
5	2544-1001100	CLEANING AND FILLING CRACKS (PAVEMENT MAINTENANCE)	MILE	10.49	This work shall consist of cleaning and filling cracks in accordance with Std. Spec. 2544.
6	2544-1003000	FILLER MATERIAL (MAINTENANCE)	GAL	3,059	Cracks shall be filled with filler material meeting the requirements of Article 4140, modified for CRS-2P. Quantity estimated at 450 gallons for the first 2.18 miles from the Jct. US 71 to WCL Dedham, then 250 gallons for the next 8.31 miles to EOP.

PROJECT DESCRIPTION This is a HMA Crack Filling project in Carroll County on IA 141 from the North Junction US 71 to County Road N46/Highway Street in Coon Rapids.				100_01D 8/15/22					
FILE NO.	ENGLISH	DESIGN TEAM	DISTRICT 3		CARROLL COUNTY	PROJECT NUMBER	MP-141-3(708)87--76-14	SHEET NUMBER	C.2

EXISTING PAVEMENT																					102_05 9/29/23
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	Carroll	IA-141	EB	86.73	89.37	2003	W	STP-141-4(26)--2C--14	AAC	1.5	BAC	2.0	BAC	5.0			FORT DODGE	C.LST.			
2.0	Carroll	IA-141	EB	86.73	89.37	2003		STP-141-4(26)--2C--14	AAC	1.5	BAC	2.0					FORT DODGE	C.LST.			
3.0	Carroll	IA-141	EB	86.73	89.37	1971		FN-141-4(2)--21-14	PCC	8.0							SACTON	GRAVEL	3		
4.0																					
5.0	Carroll	IA-141	EB	89.37	96.3	2018	M	MP-000-3(727)0--76-00													HMA crack filling
6.0	Carroll	IA-141	EB	89.37	96.3	2015	S	STPN-141-4(28)--2J-14	HMA	1.5	HMA	1.5			SCR	3.0					
7.0	Carroll	IA-141	EB	89.37	96.3	1993		STP-141-4(23)--2C-14	AAC	1.5	BAC	1.5					MENLO	C.LST.			
8.0	Carroll	IA-141	EB	89.37	96.3	1951		F-99(4)	PCC	8.0							WEST DES MOINES	GRAVEL	2		
9.0																					
10.0	Carroll	IA-141	EB	96.3	97.55	2018	M	MP-000-3(727)0--76-00													HMA crack filling
11.0	Carroll	IA-141	EB	96.3	97.55	2015	S	STPN-141-4(28)--2J-14	HMA	1.5	HMA	1.5			SCR	3.0					
12.0	Carroll	IA-141	EB	96.3	97.55	1955		F-1023(1)	PC8	8.5							COON VALLEY	GRAVEL	2		

105_04 10/20/26 STANDARDS The following Standards apply to construction work on this project.		
Number	Date	Title
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
TC-231	04-18-23	Slow Moving Vehicle Operating in the Traffic Lane

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.

108_23A 8/15/22
TRAFFIC CONTROL PLAN
1. Through traffic will be maintained on the project at all times.
2. Traffic control on this project shall be found in accordance with the TC series of Standard Road Plans found in Tabulation 105-4 and/or appropriate Detail Sheets included in the plans. For additional complementary information, refer to part VI of the Manual on Uniform Traffic Control Devices and the current Standard Specifications.
3. The contractor shall coordinate traffic control with other projects in the area.

108_25
3/28/24

511 TRAVEL RESTRICTIONS													
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	IA 141	EB	Carroll	N Jct US 71 to Co Rd N46/Highway St in Coon Rapids	N/A	Traffic Control Device	N/A	Horizontal	N/A	28	N/A	N/A	
2.0	IA 141	EB	Carroll	0.4 mi W of Jct SR N33	Dedham Creek	Traffic Control Device	FHWA 17291	Horizontal	N/A	28	N/A	N/A	
3.0	IA 141	EB	Carroll	4.5 mi W of Coon Rapids	Brushy Creek	Barrier	FHWA 17301	Horizontal	N/A	44	N/A	N/A	
4.0	IA 141	EB	Carroll	6.6 mi E of Jct SR N33	Small natural stream	Traffic Control Device	FHWA 17311	Horizontal	N/A	28	N/A	N/A	

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
None expected	