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PLANS OF PROPOSED IMPROVEMENT ON THE  
PRIMARY ROAD SYSTEM  
IDA COUNTY  
HMA CRACK FILLING  
E Jct US 59 to Sac Co Line

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	2,130	V.P.D.	
2046	AADT	—	V.P.D.	
2046	DHV	—	V.P.H.	
	TRUCKS	8	%	
	Total			
	Design ESALs	—		

REVISIONS	
	TOTAL 9
PROJECT IDENTIFICATION NUMBER	
26-47-175-010	
PROJECT NUMBER	
MP-175-3(706)54--76-47	
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	Date 05/05/2026
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 53.61

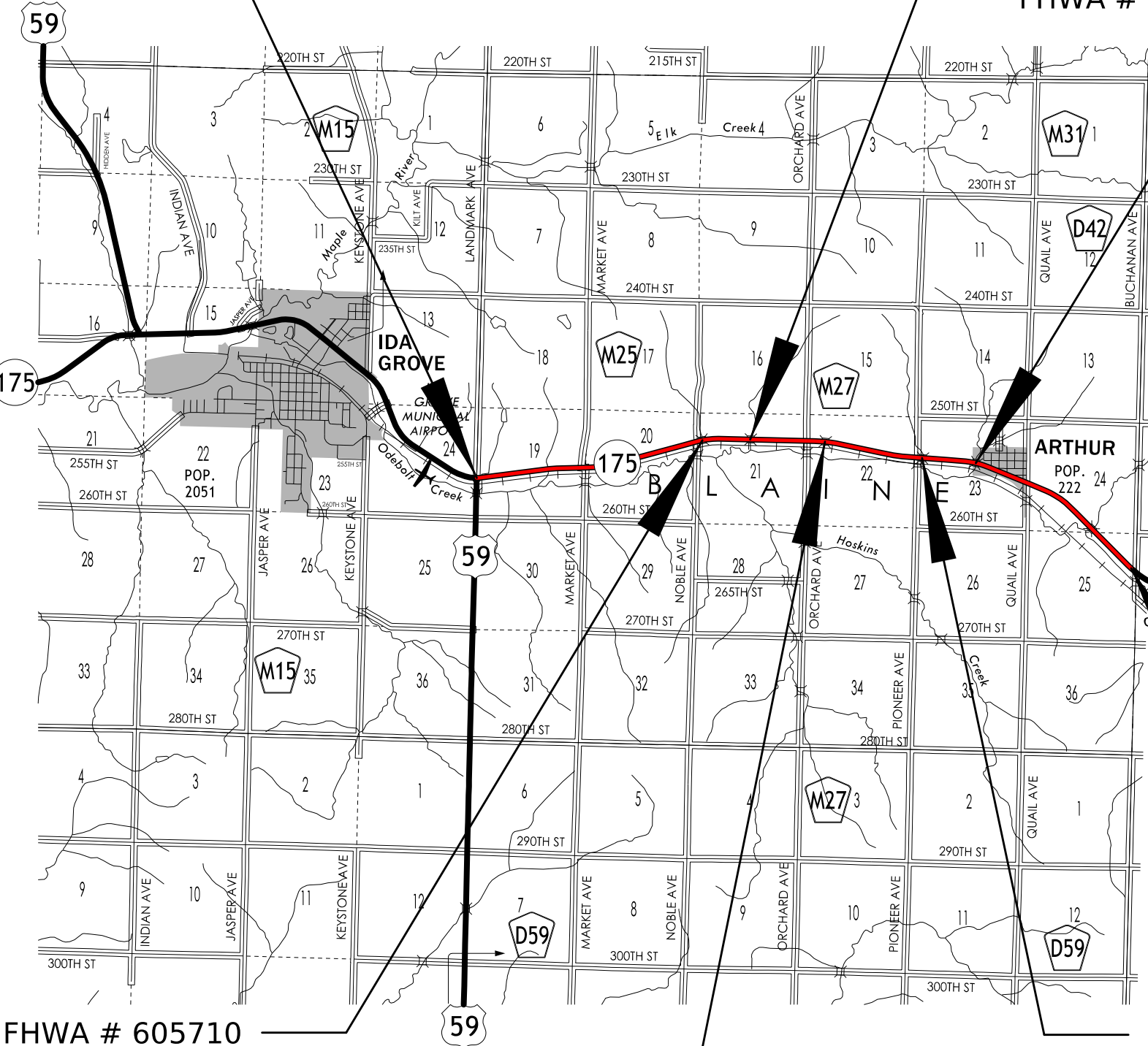
R-40W

R-39W

FHWA # 29280

FHWA # 29301

LATITUDE AND LONGITUDE  
42°20'15.59"N 95°22'43.87"W



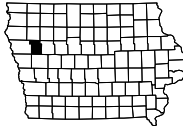
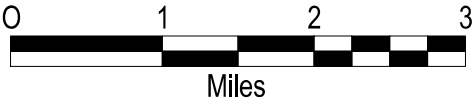
END CONSTRUCTION  
MP 59.88

FHWA # 605710

FHWA # 605715

FHWA # 29290

LOCATION MAP SCALE



ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES

Roadway Items :

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Roadway Items	
1	2528-8445110	TRAFFIC CONTROL	LS	1	Refer to Traffic Control Plan on Tab. 108-23A.
2	2528-8445113	FLAGGERS	EACH	0	See Proposal.
3	2528-8445115	PILOT CARS	EACH	0	
4	2533-4980005	MOBILIZATION	LS	1	--
5	2544-1001100	CLEANING AND FILLING CRACKS (PAVEMENT MAINTENANCE)	MILE	6.27	This work shall consist of cleaning and filling cracks in accordance with Std. Spec. 2544.
6	2544-1003000	FILLER MATERIAL (MAINTENANCE)	GAL	1,881	Cracks shall be filled with filler material meeting the requirements of Article 4140, modified for CRS-2P. Quantity estimated at 300 gallons per two lane mile pavement.

<div>PROJECT DESCRIPTION</div> <div>This is a HMA Crack Filling project in Ida County on IA 175 from the East Junction US 59 to the Sac County Line.</div>			100_01D 8/15/22					
FILE NO.	ENGLISH	DESIGN TEAM	DISTRICT 3	IDA COUNTY	PROJECT NUMBER	MP-175-3(706)54--76-47	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	Ida	IA-175	EB	53.58	58.11	2020	M	MP-000-3(734)0--76-00													HMA crack filling
2.0	Ida	IA-175	EB	53.58	58.11	2007		STP-175-3(46)--2C-47	HMA	1.5	HMA	3.0			MIL	3.0					4' WIDENING
3.0	Ida	IA-175	EB	53.58	58.11	1986		FN-175-3(16)--21-47	BAC	1.5	BAC	1.5					FT. DODGE MINE	C.LST.	3		
4.0	Ida	IA-175	EB	53.58	58.11	1939		FA-80AB	PC7	7.5							LAKE VIEW	GRAVEL			
5.0																					
6.0	Ida	IA-175	EB	58.11	58.63	2020	M	MP-000-3(734)0--76-00													HMA crack filling
7.0	Ida	IA-175	EB	58.11	58.63	2007		STP-175-3(46)--2C-47	HMA	1.5	HMA	3.5			MIL	4.0					4' WIDENING
8.0	Ida	IA-175	EB	58.11	58.63	1986		FN-175-3(16)--21-47	BAC	1.5	BAC	1.5					FT. DODGE MINE	C.LST.	3		
9.0	Ida	IA-175	EB	58.11	58.63	1938		NA	PCC	7.5											
10.0																					
11.0	Ida	IA-175	EB	58.63	59.98	2020	M	MP-000-3(734)0--76-00													HMA crack filling
12.0	Ida	IA-175	EB	58.63	59.98	2007		STP-175-3(46)--2C-47	HMA	1.5	HMA	3.0			MIL	3.0					4' WIDENING
13.0	Ida	IA-175	EB	58.63	59.98	1986		FN-175-3(16)--21-47	BAC	1.5	BAC	1.5					FT. DODGE MINE	C.LST.	3		
14.0	Ida	IA-175	EB	58.63	59.98	1939		FA-80AB	PC7	7.0							LAKE VIEW	GRAVEL			

<div>105_04 4/21/26</div> <div>STANDARDS</div> <div>The following Standards apply to construction work on this project.</div>		
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.

TRAFFIC CONTROL PLAN		108_23A 8/15/22
<div>1. Through traffic will be maintained on the project at all times.</div> <div>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.</div> <div>3. The contractor shall coordinate traffic control with other projects in the area.</div>		



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	IA 175	EB	Ida	E Jct US 59 to Sac Co Line	N/A	Traffic Control Device	N/A	Horizontal	N/A	28	N/A	N/A	
2.0	IA 175	EB	Ida	0.95 mi W of M27	Small natural stream	Barrier	FHWA 605710	Horizontal	N/A	40	N/A	N/A	
3.0	IA 175	EB	Ida	2.0 mi W of Arthur	Branch Odebolt River	Barrier	FHWA 29280	Horizontal	N/A	38	N/A	N/A	
4.0	IA 175	EB	Ida	3.2 mi E of E Jct US 59	Small stream	Barrier	FHWA 605715	Horizontal	N/A	38	N/A	N/A	
5.0	IA 175	EB	Ida	0.3 mi W of Arthur	Small natural stream	Barrier	FHWA 29290	Horizontal	N/A	40	N/A	N/A	
6.0	IA 175	EB	Ida	1.8 mi W of Sac Co Line	Branch Odebolt Creek	Barrier	FHWA 29301	Horizontal	N/A	40	N/A	N/A	