LETTING DATE
Dec 15 2026

PCC Patching
MP-002-5(709)170--76-04

Appanoose COUNTY

INDEX OF SHEETS	
No.	DESCRIPTION
A Sheets	**Title Sheets**
A.1	Title Sheet
A.2	Location Map Sheet
C Sheets	**Quantities and General Information**
C.1	Estimated Project Quantities and Reference Notes
C.2	Project Description
C.3	Standard Road Plans
C.4	Existing Pavement
C.5	Tabulations
J Sheets	**Traffic Control and Staging Sheets**
J.1	Traffic Control Plan
J.2	511 Travel Information
J.3	Coordinated Operations

IOWA DOT

PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM

Appanoose COUNTY

PCC Patching

IA 2

WCL of Centerville to IA 5

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

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

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

REVISIONS

TOTAL 10
PROJECT IDENTIFICATION NUMBER
26-04-002-020
PROJECT NUMBER
MP-002-5(709)170--76-04
R.O.W. PROJECT NUMBER



DESIGN DATA URBAN			
2024	AADT	6200	V.P.D.
20 --	AADT	--	V.P.D.
20 --	DHV	--	V.P.H.
TRUCKS		5.35	%
Total Design ESALs		--	

INDEX OF SEALS			
SHEET NO.	NAME	TYPE	BID QUANTITY SHEETS
A.1	Anthony J. Klein	Primary Signature Block	C.1

LICENSED PROFESSIONAL ENGINEER
ANTHONY JARED KLEIN
21902
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 9/23/26 Date

Anthony J. Klein
Printed or Typed Name

My license renewal date is December 31, 2026

Pages or sheets covered by this seal: ALL SHEETS

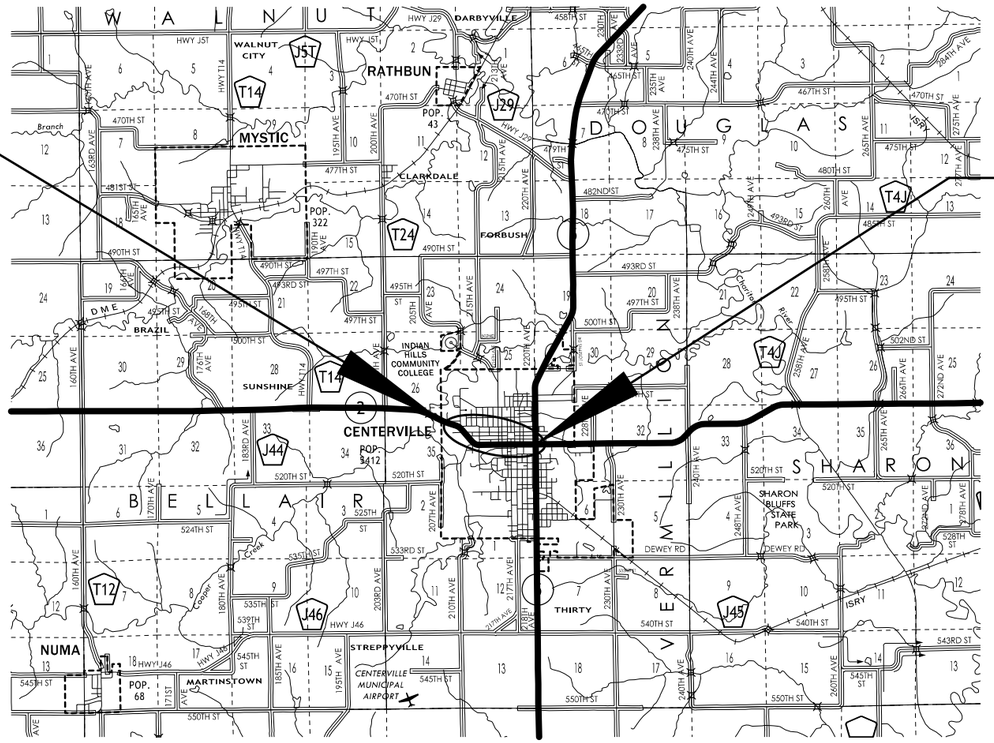
X

X

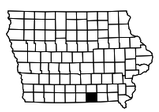
FILE NO.	ENGLISH	DESIGN TEAM McElmeel\Klein\Freitag	Appanoose COUNTY	PROJECT NUMBER MP-002-5(709)170--76-04	SHEET NUMBER A.1	

11:51:08 AM 9/3/2026 rfreita pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\0400202026\DistrictDesign\MP-002-5(709)170--76-04\CADD_Files\Sheet_Files\SHT_04_002_709_A1-A2.dgn

BEGIN CONSTRUCTION
M.P. 170.16
STA. 25+71.80



END CONSTRUCTION
M.P. 25+71.80
STA. 101+75.00



LOCATION MAP SCALE
0 1 2 3
Miles

FILE NO.	ENGLISH	DESIGN TEAM McElmeel\Klein\Freitag	Appanoose COUNTY	PROJECT NUMBER MP-002-5(709)170--76-04	SHEET NUMBER A.2	

11:51:09 AM 9/3/2026 rfreita pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\0400202026\DistrictDesign\MP-002-5(709)170--76-04\CADD_Files\Sheet_Files\SHT_04_002_709_A1-A2.dgn

ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES

Roadway Items : Roadway Items

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Roadway Items	
1	2528-8445110	TRAFFIC CONTROL	LS	1	As per current Standard Specifications and Road Standards. See Tab 108-23A for additional information.
2	2528-8445113	FLAGGERS	EACH	0	See Proposal.
3	2528-8445115	PILOT CARS	EACH	0	
4	2529-2242304	CD JOINT ASSEMBLY	EACH	7	Refer to Tab. 102-6C for locations and details.
5	2529-2242320	CT JOINT	EACH	7	
6	2529-5070110	PATCHES, FULL-DEPTH FINISH, BY AREA	SY	78.33	Refer to Tab. 102-6C for locations and details. Quantity increased by 5% for irregularities.
7	2529-5070111	PATCHES, FULL-DEPTH FINISH, BY AREA (50 FEET OR GREATER IN LENGTH)	SY	685.96	
8	2529-5070120	PATCHES, FULL-DEPTH FINISH, BY COUNT	EACH	5	
9	2533-4980005	MOBILIZATION	LS	1	As per current Standard Specifications.

100_01D
8/15/22

PROJECT DESCRIPTION

This project includes Urban Full-Depth PCC Patching at various locations along IA 2 in Appanoose County from from
the WCL of Centerville to IA 5.

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	Appanoose	2	Both	159.26	170.21	2018	M	MP-002-5(707)159--76-04													HMA joint and crack sealing
2.0	Appanoose	2	Both	159.26	170.21	2014	S	STPN-002-7(38)--2J-04	HMA	2.0	HMA	2.0									
3.0	Appanoose	2	Both	159.26	170.21	2014	W	STPN-002-7(38)--2J-04	HMA	2.0	HMA	2.0	HMA	3.0							
4.0	Appanoose	2	Both	159.26	170.21	1972	1	FN-2-7(8)--21-04	PCC	8.0							PLANO		C.LST.	1	
5.0	Appanoose	2	Both	170.21	170.74	1971	1	FN-2-7(5)--21-04	PCC	9.0							PLANO 32-80-19C.	PLANO 32-80-19	C.LST.	1	
6.0	Appanoose	2	Both	170.4	171.5	1954	1	N/A	PCC	10.0											

FULL-DEPTH PATCHES

Line No.	Count	Station	Reference Location Sign	Direction of Travel	Side	Length (FT)	Width (FT)	Patch Thickness (IN)	Patch Repair or Finish	PCC Patch Type	PCC Patch Quantity (SY)	HMA Patches (SY)	Composite HMA (TON)	Subbase Patches (PR-140) (SY)	Subbase Patch with 'EF' Joint (PR-101) (SY)	Patch Subdrain PR-101 or PR-140 (No.)	'CD' Joints (No.)	'CT' Joints (No.)	'EF' Joints PR-101 (No.)	Anchor Lugs Removal (No.)	Remarks
1.0	1		170.5	EB	Right	90.0	24.0	9.0	Finish	PCC With Dowels (PR-103)	240.0						3	3			County Yard
2.0	1		170.7	EB	Right	24.0	15.0	9.0	Finish	PCC With Dowels (PR-103)	40.0										East of Star Route
3.0	1		171.0	WB	Left	186.0	20.0	10.0	Finish	PCC With Dowels (PR-103)	413.3						4	4			Old Casey's
4.0	1		171.2			12.0	14.0	10.0	Finish	PCC With Dowels (PR-103)	18.7										Turn Lane/Bratz Texaco
5.0	1		171.4	WB	Left	11.0	13.0	10.0	Finish	PCC With Dowels (PR-103)	15.9										Just W of IA 5
Total											727.9						7	7			

2529-5070110 PATCHES, FULL-DEPTH FINISH, BY AREA = 74.6 + 5% = 78.33 S.Y.
2529-5070111 PATCHES, FULL-DEPTH FINISH, BY AREA (50 FT OR GREATER IN LENGTH) = 653.3 + 5% = 685.96 S.Y.

105_04
10/20/26

STANDARDS

The following Standards apply to construction work on this project.

Number	Date	Title
PR-101	10-21-25	Full Depth Patch with 'EF' Joint in PCC
PR-103	10-21-25	Full Depth PCC Patch with Dowels
PR-140	04-21-15	Subbase Patches
PV-101	10-20-26	Joints
TC-1	10-15-19	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-416	10-15-19	Partial Lane Closure on Ramps
TC-418	04-18-23	Lane Closure on Divided Highway
TC-420	10-16-18	Lane Closure at Ramps
TC-431	04-15-25	Slow Moving Vehicle Operating in the Traffic Lane

108_23A
8/15/22

TRAFFIC CONTROL PLAN

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

9/2/2026 9:56:20 AM ryan.freitag@iowadot.us

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

NONE PROVIDED

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
MP-005-5(715)14--76-04	HMA Joint & Crack Sealing

9/2/2026 9:56:20 AM ryan.freitag@iowadot.us