LETTING DATE
DEC 15, 2026

PCC PATCHING
MP-070-5(706)1-76-58

LOUISA 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	General Notes
C.3	Existing Pavement
C.4	Full Depth Patches
C.5	Standard Road Plans
C.3 - 5	Tabulations
J Sheets	**Traffic Control and Staging Sheets**
J.1	Traffic Control Plan
J.2	511 Travel Restrictions
J.3	Coordinated Operaions
	* Color Plan Sheets

IOWA DOT

PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM
LOUISA COUNTY
PCC PATCHING

In Columbus Junction from IA 92 north 2.5 miles

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

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

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

REVISIONS

	TOTAL
	10
PROJECT IDENTIFICATION NUMBER	
25-58-070-010	
PROJECT NUMBER	
MP-070-5(706)1-76-58	
R.O.W. PROJECT NUMBER	



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

DESIGN DATA URBAN		
2024	AADT	1200 V.P.D.
20 --	AADT	-- V.P.D.
20 --	DHV	-- V.P.H.
TRUCKS		20 %
Total Design ESALs		--

DESIGN DATA RURAL		
20 --	AADT	1680 V.P.D.
20 --	AADT	-- V.P.D.
20 --	DHV	-- V.P.H.
TRUCKS		3.3 %
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 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

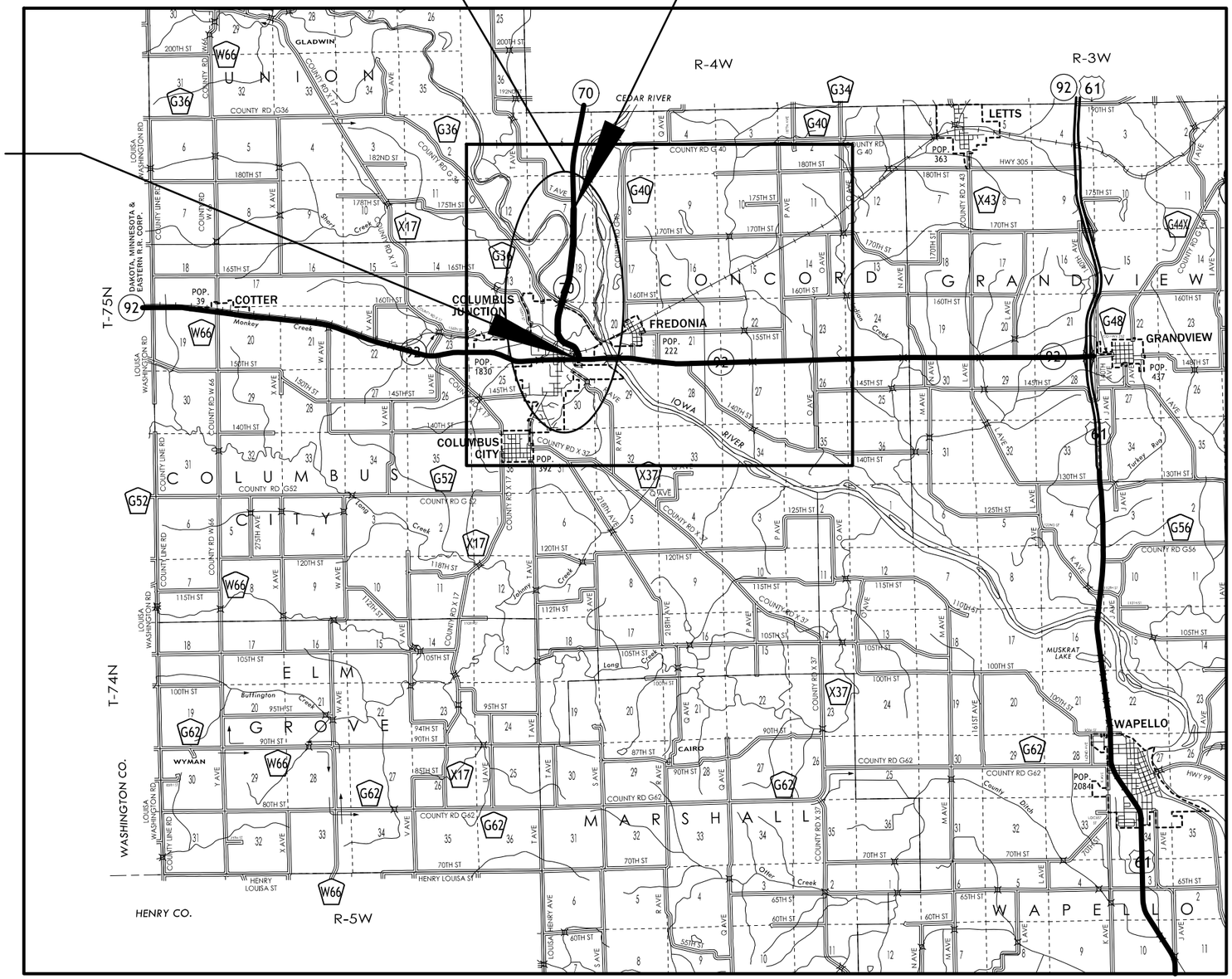
FILE NO. 98765	ENGLISH	DESIGN TEAM McElmeel\Klein\Freitag	LOUISA COUNTY	PROJECT NUMBER MP-070-5(706)1-76-58	SHEET NUMBER A.1

11:55:30 AM 9/22/2026 rfreita pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5807001025\DistrictDesign\MP-070-5(706)1-76-58\Working\SHT_58_070_706_A01.dgn

PROJECT LOCATION

END CONSTRUCTION
MP 2.52

BEGIN CONSTRUCTION
MP 1.0



LOCATION MAP SCALE
0 1 2 3
Miles

FILE NO. 98765	ENGLISH	DESIGN TEAM McElmeel\Klein\Freitag	LOUISA COUNTY	PROJECT NUMBER MP-070-5(706)1-76-58	SHEET NUMBER A.2	

11:55:31 AM 9/22/2026 rfreita pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5807001025\DistrictDesign\MP-070-5(706)1-76-58\Working\SHT_58_070_706_A01.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	18	Refer to Tab. 102-6C for locations and details.
5	2529-2242320	CT JOINT	EACH	8	
6	2529-5070110	PATCHES, FULL-DEPTH FINISH, BY AREA	SY	375.7	Refer to Tab. 102-6C for locations and details. Quantity increased by 5% for irregularities.
7	2529-5070120	PATCHES, FULL-DEPTH FINISH, BY COUNT	EACH	20	
8	2533-4980005	MOBILIZATION	LS	1	As per current Standard Specifications.

100_01D
8/15/22

PROJECT DESCRIPTION

This project is for the PCC full-depth finish patching of IA 70 in Louisa County.

This project begins in Columbus Junction at IA 92 and continues north along IA 70 1.5 miles.

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	Louisa	US-70	Both	1.84	2.47	2020	M	MP-070-5(702)0--76-58													PCC patching
2.0	Louisa	IA-70	Both	1.84	2.47	1994		STP-70-1(22)--2C-58	PCC	10.0							Linwood Mine	C.LST.	I		

FULL-DEPTH PATCHES

Count	Station	Reference Location Sign	Lane	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		1.024	Right	36.0	12.0	10.0	Finish	PCC Without Dowels (PR-102)	48.0						3	2			
1		1.1	Right	6.0	12.0	10.0	Finish	PCC Without Dowels (PR-102)	8.0										
1		1.1	Left	6.0	12.0	10.0	Finish	PCC Without Dowels (PR-102)	8.0										
1		1.107	Left	23.0	12.0	10.0	Finish	PCC Without Dowels (PR-102)	30.7						2				
1		1.107	Right	23.0	12.0	10.0	Finish	PCC Without Dowels (PR-102)	30.7						2				
1		2.021	Left	6.0	12.0	10.0	Finish	PCC Without Dowels (PR-102)	8.0										
1		2.021	Right	6.0	12.0	10.0	Finish	PCC Without Dowels (PR-102)	8.0										
1		2.116	Right	6.0	12.0	10.0	Finish	PCC Without Dowels (PR-102)	8.0										
1		2.138	Left	6.0	12.0	10.0	Finish	PCC Without Dowels (PR-102)	8.0										
1		2.145	Left	6.0	12.0	10.0	Finish	PCC Without Dowels (PR-102)	8.0										
1		2.265	Left	18.0	25.0	10.0	Finish	PCC Without Dowels (PR-102)	50.0						4	2			
1		2.276	Left	24.0	8.0	10.0	Finish	PCC Without Dowels (PR-102)	21.3						2	1			
1		2.276	Right	6.0	12.0	10.0	Finish	PCC Without Dowels (PR-102)	8.0										
1		2.279	Left	15.0	10.0	10.0	Finish	PCC Without Dowels (PR-102)	16.7						1	1			
1		2.279	Right	6.0	12.0	10.0	Finish	PCC Without Dowels (PR-102)	8.0										
1		2.279	Center	14.0	26.0	10.0	Finish	PCC Without Dowels (PR-102)	40.4						2	1			
1		2.28	Center	24.0	12.0	10.0	Finish	PCC Without Dowels (PR-102)	32.0						2	1			
1		2.311	Left	6.0	12.0	10.0	Finish	PCC Without Dowels (PR-102)	8.0										
1		2.311	Aux.	6.0	12.0	10.0	Finish	PCC Without Dowels (PR-102)	8.0										
Total:									**357.8**						**18**	**8**			

Number of records: 19

Total
with 5% 20 375.7

STANDARDS

The following Standards apply to construction work on this project.

Number	Date	Title
PR-103	10-21-25	Full Depth PCC Patch with Dowels
PV-101	10-21-25	Joints
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-212	04-18-23	Spot Location Lane Closure with Flaggers
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

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 Provided	

108_23A
8/15/22

TRAFFIC CONTROL PLAN

Through traffic will be maintained on this project at all times.

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 70		Louisa	See Note 1				None					

Note 1 : Alternating lane closure within the project limits due to road maintenance work.