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PLANS OF PROPOSED IMPROVEMENT ON THE
PRIMARY ROAD SYSTEM
WASHINGTON COUNTY
PCC PATCHING
On IA 92
Keokuk Co Line to 0.2 mi East of Elm Ave

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

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



REVISIONS

TOTAL
11
PROJECT IDENTIFICATION NUMBER
26-92-092-020
PROJECT NUMBER
MP-092-5(712)218--76-92
R.O.W. PROJECT NUMBER

DESIGN DATA RURAL			
2024	AADT	1820	V.P.D.
20	- AADT	-	V.P.D.
20	- DHV	-	V.P.H.
TRUCKS		18.52	%
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.

04-27-26

Signature: Anthony J. Klein

Printed or Typed Name

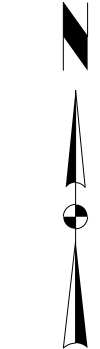
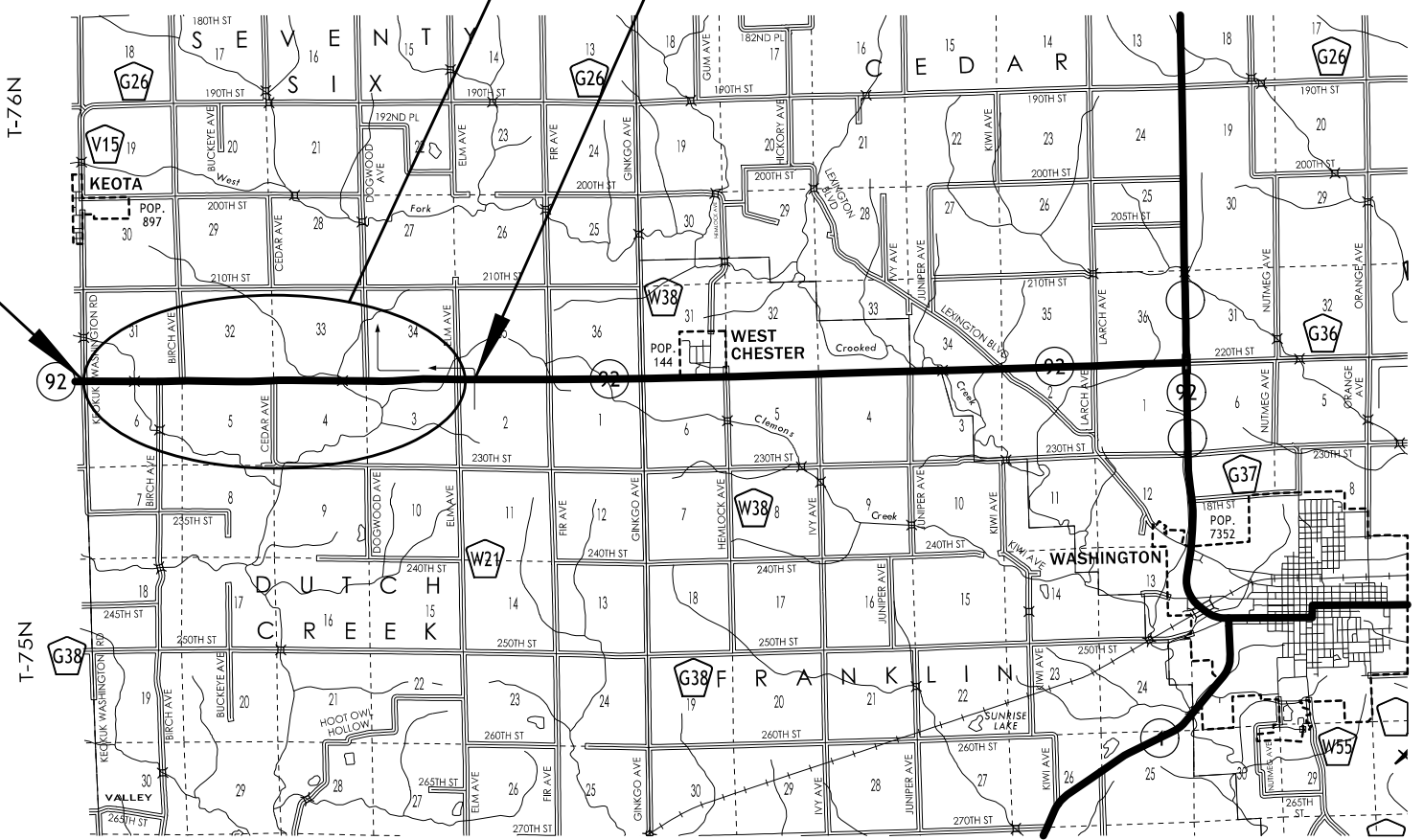
My license renewal date is December 31, 20 26

Pages or sheets covered by this seal: ALL SHEETS

PROJECT LOCATION

END CONSTRUCTION
End PCC Patching
MP 221.92
STA 989+20.4

BEGIN CONSTRUCTION
Begin PCC Patching
MP 217.75
STA 769+02.8



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	See Proposal.
4	2529-2242304	CD JOINT ASSEMBLY	EACH	8	Refer to Tab. 102-6C for locations and details.
5	2529-2242320	CT JOINT	EACH	11	
6	2529-5070110	PATCHES, FULL-DEPTH FINISH, BY AREA	SY	81.2	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	533.3	
8	2529-5070120	PATCHES, FULL-DEPTH FINISH, BY COUNT	EACH	9	
9	2533-4980005	MOBILIZATION	LS	1	As per current Standard Specifications.

PROJECT DESCRIPTION		100_01D 8/15/22
This project is for PCC full-depth finish patching of IA 92 in Washington County. This project begins at the Keokuk Co Line and ends 0.2 mi E of Elm Ave		

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	Washington	92	Both	217.77	222.02	2017	M	MP-092-5(707)218--76-92	PCC	12.0										PCC PATCHING	
2.0	Washington	92	Both	217.77	222.02	2012	V	STP-092-8(27)--2C-54	HMA	2.0											
3.0	Washington	92	Both	217.77	222.02	1993	V	STPN-92-9(75)--2J-92	AAC	3.0							OLLIE	C.LST			
4.0	Washington	92	Both	217.77	222.02	1970		FN-92-9(3)--21-92	PCC	8.0							OLLIE	C.LST	2		

102_06C 4/21/26																									
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		218.16	EB		82.0	12.0	13.0	Finish	PCC With Dowels (PR-103)	109.3						2	2							
2.0	1		218.16	WB		82.0	12.0	13.0	Finish	PCC With Dowels (PR-103)	109.3						2	2							
3.0	1		218.98	EB		62.0	12.0	13.0	Finish	PCC With Dowels (PR-103)	82.7						1	2							
4.0	1		219.02	WB		55.0	12.0	13.0	Finish	PCC With Dowels (PR-103)	73.3						1	1							
5.0	1		219.27	WB		10.0	12.0	13.0	Finish	PCC With Dowels (PR-103)	13.3														
6.0	1		219.28	EB		14.0	12.0	13.0	Finish	PCC With Dowels (PR-103)	18.7														
7.0	1		219.62	WB		100.0	12.0	13.0	Finish	PCC With Dowels (PR-103)	133.3						2	4							
8.0	1		220.58	EB		22.0	12.0	13.0	Finish	PCC With Dowels (PR-103)	29.3														
9.0	1		220.58	WB		12.0	12.0	13.0	Finish	PCC With Dowels (PR-103)	16.0														
Total:											585.2					8					11				

2529-5070110

PATCHES

77.33 S.Y. W/ 5% IRREGULARITIES = 81.20 S.Y.

2529-5070111

PATCHES GREATER THAN 50 FT

507.9 S.Y. W/ 5% IRREGULARITIES = 533.30 S.Y.

105_04 4/21/26 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

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.

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

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 Provided	