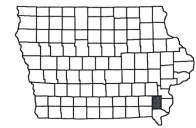


HENRY COUNTY

PCC PATCHING
MP-218-5(706)31--76-44

LETTING DATE
Nov 17 2026



PLANS OF PROPOSED IMPROVEMENT ON THE
PRIMARY ROAD SYSTEM
HENRY COUNTY
PCC PATCHING
On US 218
Lee County to Washington Co

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	
26-44-218-010	
PROJECT NUMBER	
MP-218-5(706)31--76-44	
R.O.W. PROJECT NUMBER	

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

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.

Anthony J. Klein 8/31/26
Signature Date

Anthony J. Klein
Printed or Typed Name

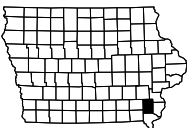
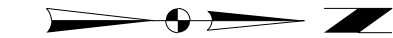
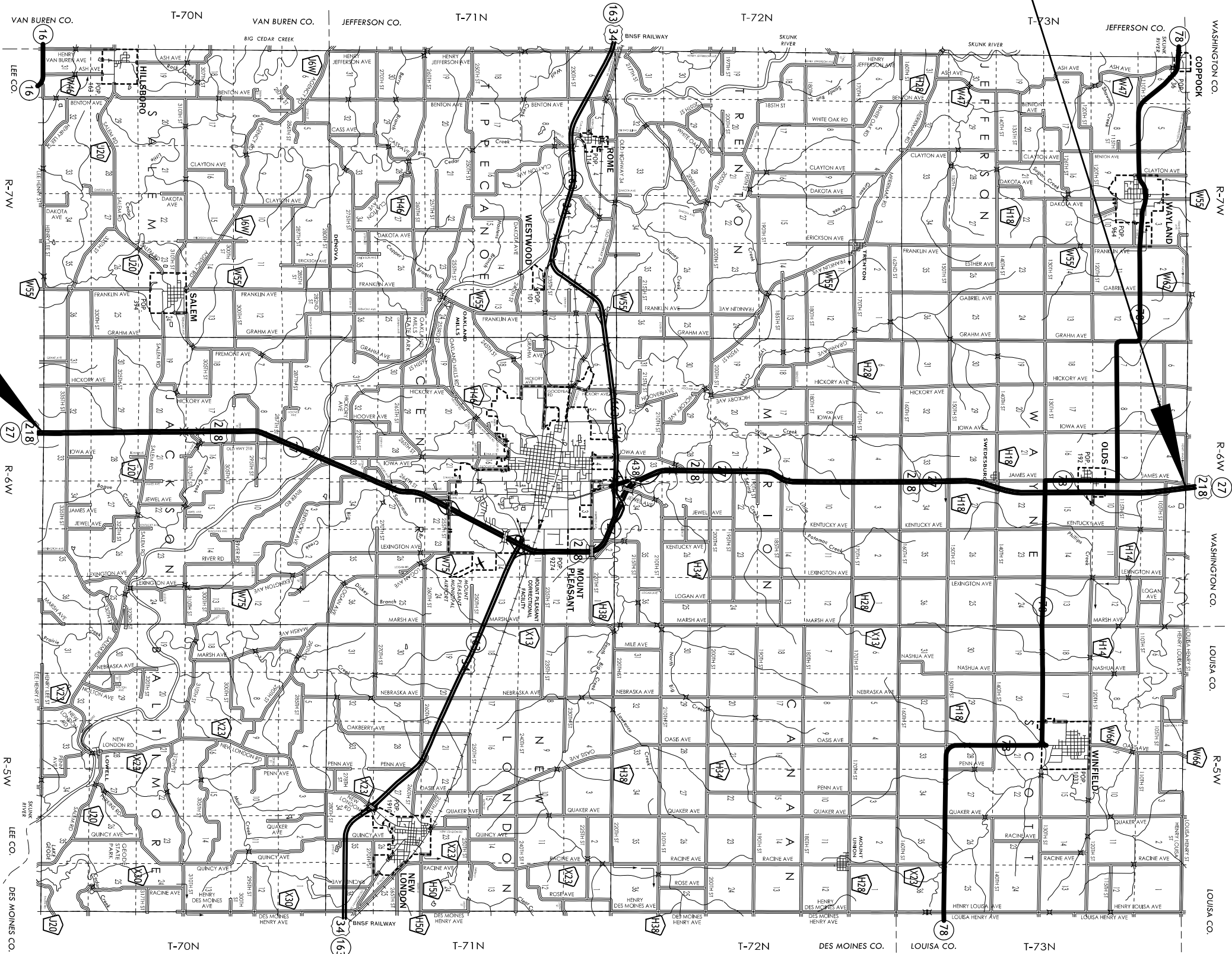
My license renewal date is December 31, 2026

Pages or sheets covered by this seal: ALL SHEETS

HENRY COUNTY

END
CONSTRUCTION
M.M. 58.02

BEGIN
CONSTRUCTION
M.M. 31.048



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	97	Refer to Tab. 102-6C for locations and details.
5	2529-2242320	CT JOINT	EACH	56	
6	2529-5070110	PATCHES, FULL-DEPTH FINISH, BY AREA	SY	1,393.98	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	2,739.14	
8	2529-5070120	PATCHES, FULL-DEPTH FINISH, BY COUNT	EACH	52	
9	2533-4980005	MOBILIZATION	LS	1	As per current Standard Specifications.

100_01D
8/15/22

PROJECT DESCRIPTION

This project includes Rural Full-Depth PCC Patching at various locations along US 218 in Henry County from from the Lee County Line to the Washington County Line.

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

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	Henry	US-218	NB	31.47	34.99	2022	M	MP-218-5(703)31--76-44	PCC												PCC patching
2.0	Henry	US-218	NB	31.47	34.99	1998		NHSN-218-2(41)--2R-44	AAC	2.0	AAC	6.5					STERLING	SLAG			
3.0	Henry	US-218	NB	31.47	34.99	1973		FN-218-2(12)--21-44	PCC	9.0							FARMINGTON-COM.	C.LST.	I		97/98 PROJ
4.0	Henry	US-218	NB	34.99	39.42	2022	M	MP-218-5(703)31--76-44	PCC												PCC patching
5.0	Henry	US-218	NB	34.99	39.42	1998		NHSN-218-2(41)--2R-44	AAC	2.0	AAC	2.0					STERLING	SLAG			
6.0	Henry	US-218	NB	34.99	39.42	1964		FN-219*<1>	PCC	10.0							FARMINGTON-COM.	C.LST.	I		97/98 PROJ
7.0	Henry	US-218	NB	39.42	40.43	2022	M	MP-218-5(703)31--76-44	PCC												PCC patching
8.0	Henry	US-218	NB	39.42	40.43	2020	M	MP-027-5(708)0--76-56													PCC patching
9.0	Henry	US-218	NB	39.42	40.43	2001		NHSX-218-2(51)--3H-44	PCC	10.5	GSB	10.5					CONKLIN	C.LST.	I		
10.0	Henry	US-218	NB	40.43	43.14	2023	M	MP-218-5(704)31--76-44													PCC patching
11.0	Henry	US-218	NB	40.43	43.14	2022	M	MP-218-5(703)31--76-44	PCC												PCC patching
12.0	Henry	US-218	NB	40.43	43.14	2020	M	MP-027-5(708)0--76-56													PCC patching
13.0	Henry	US-218	NB	40.43	43.14	2001		NHSX-218-2(51)--3H-44	PCC	10.5	GSB	10.5					CONKLIN	C.LST.	I		
14.0	Henry	US-218	NB	45.14	46.64	2023	M	MP-218-5(704)31--76-44													PCC patching
15.0	Henry	US-218	NB	45.14	46.64	2022	M	MP-218-5(703)31--76-44	PCC												PCC patching
16.0	Henry	US-218	NB	45.14	46.64	2020	M	MP-027-5(708)0--76-56													PCC patching
17.0	Henry	US-218	NB	45.14	46.64	2002	O	NHSX-218-2(51)--3H-44	PCC	10.5	GSB	10.5									
18.0	Henry	US-218	NB	46.64	48.7	2023	M	MP-218-5(704)31--76-44													PCC patching
19.0	Henry	US-218	NB	46.64	48.7	2022	M	MP-218-5(703)31--76-44	PCC												PCC patching
20.0	Henry	US-218	NB	46.64	48.7	2020	M	MP-027-5(708)0--76-56													PCC patching
21.0	Henry	US-218	NB	46.64	48.7	2000		NHSX-218-2(53)--3H-44	PCC	11.0	GSB	11.0					CONKLIN	C.LST.	I		
22.0	Henry	US-218	NB	48.7	53.24	2023	M	MP-218-5(704)31--76-44													PCC patching
23.0	Henry	US-218	NB	48.7	53.24	2022	M	MP-218-5(703)31--76-44	PCC												PCC patching
24.0	Henry	US-218	NB	48.7	53.24	2020	M	MP-027-5(708)0--76-56													PCC patching
25.0	Henry	US-218	NB	48.7	53.24	1998		NHSN-218-2(42)--2R-44	AAC	2.0	AAC	2.0			SCR	1.5	SELMA-GARDNER	C.LST.			
26.0	Henry	US-218	NB	48.7	53.24	1984		FN-218-2(28)--21-44	AAC	1.5					MIL	1.0					97/98 PROJ
27.0	Henry	US-218	NB	48.7	53.24	1962		FA-56(9)	AAC	3.0							DILLON STONE				
28.0	Henry	US-218	NB	48.7	53.24	1930		FA-56DEFG	PC7	7.0							DEWEY	C.LST.	3		
29.0	Henry	US-218	NB	53.24	58.01	2023	M	MP-218-5(704)31--76-44													PCC patching
30.0	Henry	US-218	NB	53.24	58.01	2022	M	MP-218-5(703)31--76-44	PCC												PCC patching
31.0	Henry	US-218	NB	53.24	58.01	2020	M	MP-027-5(708)0--76-56													PCC patching
32.0	Henry	US-218	NB	53.24	58.01	1999		NHS-218-2(35)--19-44	PCC	10.0	GSB	10.5					CONKLIN	C.LST.	I		
33.0																					
34.0	Henry	US-218	SB	31.47	39.7	2022	M	MP-218-5(703)31--76-44	PCC												PCC patching
35.0	Henry	US-218	SB	31.47	39.7	2020	M	MP-027-5(708)0--76-56													PCC patching
36.0	Henry	US-218	SB	31.47	39.7	2005		NHSX-218-2(117)--3H-44	PCC	10.5	GSB	10.5					CONKLIN	C.LST.	I		KLEIN
37.0	Henry	US-218	SB	39.7	43.14	2023	M	MP-218-5(704)31--76-44													PCC patching
38.0	Henry	US-218	SB	39.7	43.14	2022	M	MP-218-5(703)31--76-44	PCC												PCC patching
39.0	Henry	US-218	SB	39.7	43.14	2020	M	MP-027-5(708)0--76-56													PCC patching
40.0	Henry	US-218	SB	39.7	43.14	2001		NHSX-218-2(51)--3H-44	PCC	10.5	GSB	10.5					CONKLIN	C.LST.	I		
41.0	Henry	US-218	SB	43.14	45.74	2023	M	MP-218-5(704)31--76-44													PCC patching
42.0	Henry	US-218	SB	43.14	45.74	2022	M	MP-218-5(703)31--76-44	PCC												PCC patching
43.0	Henry	US-218	SB	43.14	45.74	2020	M	MP-027-5(708)0--76-56													PCC patching
44.0	Henry	US-218	SB	43.14	45.74	2001		NHSX-218-2(57)--3H-44	PCC	10.5	GSB	10.5					CONKLIN	C.LST.	I		
45.0	Henry	US-218	SB	45.74	46.25	2023	M	MP-218-5(704)31--76-44													PCC patching
46.0	Henry	US-218	SB	45.74	46.25	2022	M	MP-218-5(703)31--76-44	PCC												PCC patching
47.0	Henry	US-218	SB	45.74	46.25	2020	M	MP-027-5(708)0--76-56													PCC patching
48.0	Henry	US-218	SB	45.74	46.25	1998	V	NHSN-218-2(42)--2R-44	AAC	2.0					SCR	1.5	SELMA-GARDNER	C.LST.			
49.0	Henry	US-218	SB	45.74	46.25	1996	V	NHS-218-2(37)--19-44	AAC	2.0	AAC	2.5			MIL	1.0	STERLING	SLAG			
50.0	Henry	US-218	SB	45.74	46.25	1981	V	F-218-2(17)--2G-44	AAC	1.5							NELSON QRY.	C.LST.			
51.0	Henry	US-218	SB	45.74	46.25	1968		F-218-2(2)--20-44	PCC	10.0							SULLIVAN SLOUGH	C.LST.	1		
52.0	Henry	US-218	SB	46.23	48.03	2023	M	MP-218-5(704)31--76-44													PCC patching
53.0	Henry	US-218	SB	46.23	48.03	2022	M	MP-218-5(703)31--76-44	PCC												PCC patching
54.0	Henry	US-218	SB	46.23	48.03	2020	M	MP-027-5(708)0--76-56													PCC patching
55.0	Henry	US-218	SB	46.23	48.03	2020	M	MP-218-5(702)46--76-44													HMA joint & crack sealing
56.0	Henry	US-218	SB	46.23	48.03	2017	S	NHSN-218-2(149)--2R-44	HMA	1.5					SCR	1.5					
57.0	Henry	US-218	SB	46.23	48.03	1998	V	NHSN-218-2(42)--2R-44	AAC	2.0					SCR	1.5	SELMA-GARDNER	C.LST.			

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
58.0	Henry	US-218	SB	46.23	48.03	1996	V	NHS-218-2(37)--19-44	AAC	2.0	AAC	2.5			MIL	1.0	STERLING	SLAG			
59.0	Henry	US-218	SB	46.23	48.03	1981	V	F-218-2(17)--2G-44	AAC	1.5							NELSON QRY.	C.LST.			
60.0	Henry	US-218	SB	46.23	48.03	1968		F-218-2(2)--20-44	PCC	10.0							SULLIVAN SLOUGH	C.LST.	1		
61.0	Henry	US-218	SB	46.64	48.03	2022	M	MP-218-5(703)31--76-44	PCC												PCC patching
62.0	Henry	US-218	SB	46.64	48.03	2020	M	MP-027-5(708)0--76-56													PCC patching
63.0	Henry	US-218	SB	46.64	48.03	2020	M	MP-218-5(702)46--76-44													HMA joint & crack sealing
64.0	Henry	US-218	SB	46.64	48.03	2017	S	NHSN-218-2(149)--2R-44	HMA	1.5					SCR	1.5					
65.0	Henry	US-218	SB	46.64	48.03	1998	V	NHSN-218-2(42)--2R-44	AAC	2.0					SCR	1.5	SELMA-GARDNER	C.LST.			
66.0	Henry	US-218	SB	46.64	48.03	1996		NHS-218-2(37)--19-44	AAC	2.0	AAC	2.5			MIL	1.0	STERLING	SLAG			
67.0	Henry	US-218	SB	46.64	48.03	1981		F-218-2(17)--2G-44	AAC	1.5							NELSON QRY.	C.LST.			
68.0	Henry	US-218	SB	46.64	48.03	1968		F-218-2(2)-20-44	PCC	10.0							SULLIVAN SLOUGH	C.LST.	1		
69.0	Henry	US-218	SB	48.03	49.57	2022	M	MP-218-5(703)31--76-44	PCC												PCC patching
70.0	Henry	US-218	SB	48.03	49.57	2020	M	MP-027-5(708)0--76-56													PCC patching
71.0	Henry	US-218	SB	48.03	49.57	2000		NHSX-218-2(53)--3H-44	PCC	11.0	GSB	11.0					CONKLIN	C.LST.	I		
72.0	Henry	US-218	SB	49.57	58.01	2022	M	MP-218-5(703)31--76-44	PCC												PCC patching
73.0	Henry	US-218	SB	49.57	58.01	2020	M	MP-027-5(708)0--76-56													PCC patching
74.0	Henry	US-218	SB	49.57	58.01	1999		NHS-218-2(35)--19-44	PCC	10.0	GSB	10.5					CONKLIN	C.LST.	I		

FULL-DEPTH PATCHES																					102_06C 4/21/26
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		31.729	SB	Outside	85.0	14.0	10.5	Finish								4	2			
2.0	1		36.428	NB	Outside	40.0	14.0	10.5	Finish								2	1			
3.0	1		36.518	SB	Inside	20.0	12.0	10.5	Finish												
4.0	1		36.528	SB	Outside	10.0	14.0	10.5	Finish												
5.0	1		37.294	NB	Outside	20.0	14.0	10.5	Finish												
6.0	2		37.611	NB	Both	8.0	26.0	10.5	Finish												
7.0	1		38.043	SB	Outside	57.0	14.0	10.5	Finish								3	2			
8.0	1		38.56	SB	Outside	40.0	14.0	10.5	Finish								2	1			
9.0	1		39.381	SB	Outside	37.0	14.0	10.5	Finish								2	1			
10.0	1		39.785	NB	Inside	8.0	12.0	10.5	Finish												
11.0	2		39.853	NB	Both	8.0	26.0	10.5	Finish												
12.0	2		39.861	SB	Both	24.0	26.0	10.5	Finish												
13.0	1		40.059	NB	Outside	60.0	14.0	10.5	Finish								3	2			
14.0	1		40.333	NB	Outside	8.0	14.0	10.5	Finish												
15.0	1		40.916	SB	Outside	64.0	14.0	10.5	Finish								3	2			
16.0	1		41.254	SB	Outside	64.0	14.0	10.5	Finish								3	2			
17.0	1		41.254	SB	Inside	8.0	12.0	10.5	Finish												
18.0	1		41.271	SB	Outside	64.0	14.0	10.5	Finish								3	2			
19.0	1		41.315	SB	Outside	64.0	14.0	10.5	Finish								3	2			
20.0	1		41.344	SB	Outside	44.0	14.0	10.5	Finish								2	1			
21.0	1		41.893	NB	Inside	8.0	12.0	10.5	Finish												
22.0	1		41.909	NB	Inside	8.0	12.0	10.5	Finish												
23.0	2		44.744	NB	Both	140.0	26.0	10.5	Finish								7	4			Existing dip
24.0	2		45.147	NB	Both	140.0	26.0	10.5	Finish								7	4			Existing dip
25.0	1		45.29	NB	Outside	64.0	14.0	10.5	Finish								3	2			
26.0	1		45.334	NB	Outside	8.0	14.0	10.5	Finish												
27.0	1		45.749	NB	Outside	120.0	14.0	10.5	Finish								6	3			
28.0	1		45.749	NB	Inside	60.0	12.0	10.5	Finish								3	2			
29.0	1		47.211	NB	Outside	45.0	14.0	13.0	Finish								2	1			
30.0	1		50.552	SB	Outside	140.0	14.0	11.0	Finish								7	4			
31.0	1		50.656	SB	Outside	100.0	14.0	11.0	Finish								5	3			
32.0	1		51.852	SB	Outside	104.0	14.0	11.0	Finish								2	1			
33.0	1		53.236	NB	Inside	45.0	12.0	11.0	Finish												
34.0	1		53.496	NB	Outside	10.0	14.0	10.0	Finish												
35.0	1		53.502	NB	Outside	8.0	14.0	10.0	Finish												
36.0	1		53.543	SB	Outside	44.0	14.0	10.0	Finish								2	1			
37.0	1		53.614	SB	Outside	46.0	14.0	10.0	Finish								2	1			
38.0	1		53.682	SB	Outside	66.0	14.0	10.0	Finish								3	2			
39.0	1		53.942	SB	Outside	44.0	14.0	10.0	Finish								2	1			
40.0	1		54.97	SB	Outside	6.0	14.0	10.0	Finish												
41.0	1		54.979	SB	Outside	40.0	14.0	10.0	Finish								2	1			Existing dip
42.0	1		54.979	SB	Inside	40.0	12.0	10.0	Finish								2	1			Existing dip
43.0	1		55.055	SB	Outside	60.0	14.0	10.0	Finish								3	2			Existing dip
44.0	1		55.055	SB	Inside	60.0	12.0	10.0	Finish								3	2			Existing dip
45.0	1		55.163	NB	Outside	20.0	14.0	10.0	Finish												
46.0	2		56.99	NB	Both	45.0	26.0	10.0	Finish								2	1			Existing dip
47.0	1		57.256	NB	Inside	30.0	12.0	10.0	Finish												Existing dip
48.0	1		57.582	NB	Outside	45.0	14.0	10.0	Finish								2	1			
49.0	2		NAN	NB	Both	45.0	26.0	10.0	Finish								2	1			Existing dip

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.	

108_23A
8/15/22

TRAFFIC CONTROL PLAN

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

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
None Provided.													
FILE NO.	ENGLISH	DESIGN TEAM	McElmeel/Roberts/Freitag			HENRY COUNTY		PROJECT NUMBER	MP-218-5(706)31--76-44			SHEET NUMBER	J.3