CARROLL COUNTY

PCC Patching

MP-030-3(719)80--76-14

LETTING DATE **Dec 15, 2026**

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 & Reference Information
C.2 - 6	Standard Road Plans
J Sheets	**Traffic Control and Staging Sheets**
J.1	Traffic Control Plan
J.2	511 Travel Restrictions

IOWA DOT

PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM

CARROLL COUNTY

PCC Patching

1.68 mi E of Co Rd N20 to Burgess Ave in Carroll

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

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

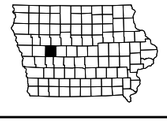
IOWA ONE CALL
1-800-292-8989
www.iowaonecall.com
811 Know what's below. Call before you dig.

REVISIONS

	TOTAL
	10
PROJECT IDENTIFICATION NUMBER	
26-14-030-050	
PROJECT NUMBER	
MP-030-3(719)80--76-14	
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 QR Feedback Link



DESIGN DATA URBAN			
2025	AADT	10,200	V.P.D.
20 –	AADT	--	V.P.D.
20 –	DHV	--	V.P.H.
TRUCKS		7	%
Total Design ESALs		–	

DESIGN DATA RURAL			
2025	AADT	6,100	V.P.D.
20 --	AADT	–	V.P.D.
20 --	DHV	–	V.P.H.
TRUCKS		11	%
Total Design ESALs		–	

ROADWAY DESIGN

LICENSED PROFESSIONAL ENGINEER
JUSTIN M. POTTORFF
25733
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: 01/06/2025

JUSTIN M. POTTORFF
Printed or Typed Name

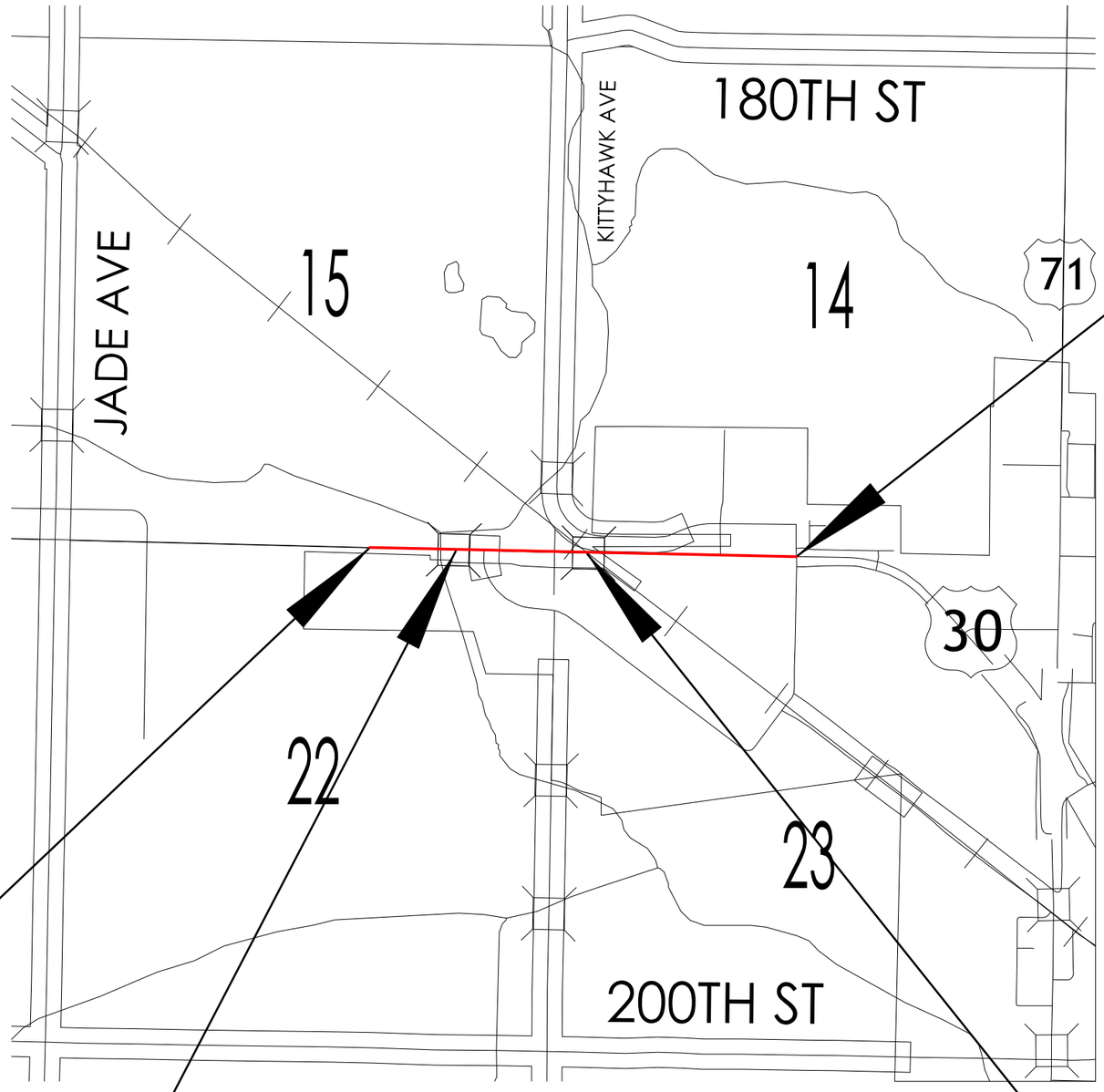
My license renewal date is December 31, 2026

Pages or sheets covered by this seal: ALL

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT	CARROLL COUNTY	PROJECT NUMBER MP-030-3(719)80--76-14	SHEET NUMBER A.1

2:21:24 PM 9/21/2026 awiertz pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1403005026\DistrictDesign\MP-030-3(719)80--76-14\CADD_Files\Sheet_Files\SHT_14030719_A01.dgn

Carroll County



END CONSTRUCTION
STA. 1328+31
MP 80.48

BEGIN CONSTRUCTION
STA. 1288+65
MP 79.71

FHWA # 17061

FHWA # 17071

LOCATION MAP SCALE
0 1 2 3
Miles

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT	CARROLL COUNTY	PROJECT NUMBER MP-030-3(719)80--76-14	SHEET NUMBER A.2

2:21:25 PM 9/21/2026 awiertz pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1403005026\DistrictDesign\MP-030-3(719)80--76-14\CADD_Files\Sheet_Files\SHT_14030719_A01.dgn

ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Iowa DOT	
1	2528-8445110	TRAFFIC CONTROL	LS	1	Refer to Traffic Control Plan on Sheet 108-23A.
2	2529-2242304	CD JOINT ASSEMBLY	EACH	12	Refer to Tab. 102-06C
3	2529-5070110	PATCHES, FULL-DEPTH FINISH, BY AREA	SY	1,302.4	Refer to Tab. 102-6. Quantity includes an additional 20% for discretionary patches. Place as directed by Engineer.
4	2529-5070111	PATCHES, FULL-DEPTH FINISH, BY AREA (50 FEET OR GREATER IN LENGTH)	SY	133.3	Refer to Tab. 102-6.
5	2529-5070120	PATCHES, FULL-DEPTH FINISH, BY COUNT	EACH	144	Refer to Tab. 102-6. Quantity includes an additional 20% for discretionary patches. Place as directed by Engineer.
6	2533-4980005	MOBILIZATION	LS	1	- -

100_01D
8/15/22

PROJECT DESCRIPTION

This is a PCC Patching Project on US 30 from 1.68 mi E of CO Rd N20 to Burgess Ave in Carroll.

9/22/2026 11:52:30 AM alex.wiertzema@iowadot.us

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	14	US-30	1	69.94	80.46	2023	M	MP-030-3(714)79--76-14	PCC											PCC patching	S001920030E
2.0	14	US-30	1	69.94	80.46	2023	M	MP-030-3(714)55--76-24	PCC											PCC patching	S001920030E
3.0	14	US-30	1	69.94	80.46	2022	M	MP-030-3(712)56--76-24												HMA crack filling	S001920030E
4.0	14	US-30	1	69.94	80.46	2015		NHSN-030-2(161)--2R-24	MSS												S001920030E
5.0	14	US-30	1	69.94	80.46	1998		NHSN-30-2(79)--2R-14	AAC	1.5	AAC	1.5	BAC	9.0			DELL RAPIDS	QUARTZ			S001920030E

105_04
10/20/26

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	10-20-26	Joints
TC-1	10-15-19	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-402	04-18-23	Work Within 15 ft of Traveled Way
TC-419	04-18-23	Lane Closure on Undivided Highway

FULL-DEPTH PATCHES

Line No.	Count	Station	Direction of Travel	Side	Length (FT)	Width (FT)	Patch Thickness (IN)	Patch Repair or Finish	PCC Patch Type	PCC Patch Quantity (SY)	'CD' Joints (No.)	'CT' Joints (No.)	'EF' Joints PR-101 (No.)	Anchor Lugs Removal (No.)	Remarks
1.0	2	1289+21.00	EB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
2.0	2	1289+59.00	EB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
3.0	2	1291+48.00	EB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
4.0	1	1296+23.00	EB	Left	22.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	29.3	1				
5.0	2	1296+57.00	EB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
6.0	1	1297+00.00	EB	Right	200.0	6.0	10.0	Finish	PCC With Dowels (PR-103)	133.3	9				EB Right Edge Line
7.0	2	1301+20.00	EB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
8.0	2	1301+58.00	EB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
9.0	2	1302+76.00	EB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
10.0	2	1311+77.00	EB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
11.0	2	1313+04.00	EB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
12.0	2	1313+22.00	EB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
13.0	2	1313+78.00	EB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
14.0	2	1314+55.00	EB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
15.0	2	1315+14.00	EB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					EB Center Lanes
16.0	2	1315+53.00	EB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
17.0	2	1315+70.00	EB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
18.0	2	1316+09.00	EB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
19.0	2	1316+88.00	EB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
20.0	2	1288+80.00	WB	Both	30.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	80.0	2				
21.0	2	1289+15.00	WB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
22.0	2	1289+46.00	WB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
23.0	2	1289+65.00	WB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
24.0	1	1290+60.00	WB	Right	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	8.0					
25.0	2	1290+80.00	WB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
26.0	2	1291+18.00	WB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
27.0	1	1295+74.00	WB	Left	18.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	24.0					
28.0	1	1297+24.00	WB	Right	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	8.0					
29.0	1	1297+82.00	WB	Right	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	8.0					
30.0	1	1298+31.00	WB	Right	18.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	24.0					
31.0	1	1298+78.00	WB	Left	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	8.0					
32.0	1	1299+93.00	WB	Right	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	8.0					
33.0	1	1300+52.00	WB	Right	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	8.0					
34.0	1	1300+92.00	WB	Left	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	8.0					
35.0	1	1303+11.00	WB	Right	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	8.0					
36.0	1	1303+30.00	WB	Right	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	8.0					
37.0	1	1303+68.00	WB	Right	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	8.0					
38.0	1	1304+06.00	WB	Right	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	8.0					
39.0	2	1304+24.00	WB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
40.0	2	1312+41.00	WB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
41.0	1	1314+19.00	WB	Right	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	8.0					
42.0	1	1314+37.00	WB	Right	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	8.0					
43.0	1	1320+34.00	WB	Right	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	8.0					
44.0	1	1323+09.00	WB	Left	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	8.0					
45.0	2	1325+50.00	WB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
46.0	2	1326+69.00	WB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
47.0	2	1326+87.00	WB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
48.0	2	1327+26.00	WB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					

FULL-DEPTH PATCHES

Line No.	Count	Station	Direction of Travel	Side	Length (FT)	Width (FT)	Patch Thickness (IN)	Patch Repair or Finish	PCC Patch Type	PCC Patch Quantity (SY)	'CD' Joints (No.)	'CT' Joints (No.)	'EF' Joints PR-101 (No.)	Anchor Lugs Removal (No.)	Remarks
49.0	2	1327+67.00	WB	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	16.0					
50.0	1	1327+98.00	WB	Right	18.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	24.0					
51.0	4	1289+76.00	4-Lane	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	32.0					
52.0	4	1290+05.00	4-Lane	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	32.0					
53.0	4	1290+20.00	4-Lane	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	32.0					
54.0	4	1290+36.00	4-Lane	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	32.0					
55.0	4	1290+93.00	4-Lane	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	32.0					
56.0	4	1291+31.00	4-Lane	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	32.0					
57.0	4	1298+85.00	4-Lane	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	32.0					
58.0	4	1304+15.00	4-Lane	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	32.0					
59.0	4	1304+92.00	4-Lane	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	32.0					
60.0	4	1312+65.00	4-Lane	Both	6.0	12.0	10.0	Finish	PCC With Dowels (PR-103)	32.0					
Total	120									1218.6	12				

108_23A

8/15/22

TRAFFIC CONTROL PLAN

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

2. Traffic control on this project shall be found in accordance with the TC series of Standard Road Plans found in Tab. 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.

3. The contractor shall coordinate traffic control with other projects in the area.

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	US 30	All	Carroll	1.68 mi E of Co Rd N20 to Burgess Ave in Carroll		Traffic Control Device		Horizontal	44	11			