City of Hiawatha

Engineering Department

101 Emmons St., Hiawatha Iowa, 52233-1697
PHONE (319) 393-1515 ext. 511 FAX (319) 393-1516

To: **Mayor and City Council** **Date:** **August 28, 2019**

From: **John C Bender PE, City Engineer**

Re: **2019 Center Point Road from Blair's Ferry Road to Clark Street Improvement Project**

Description: **Set Public Hearing and Publish Notice to Bidders**

Report:

Hiawatha has contracted with Shive Hattery Engineers to prepare the plans and specifications for the 2019 Willman Street Signal Project. This includes new semi-actuated traffic signals with the new signal layout utilizing the "2 signal pole" concept, with mast arms located on only northeast corner and the southwest corner of the intersection. Also includes the replacement of intersection with new colored concrete and sidewalks that comply with the current ADA specifications. The bid opening for the project was held Tuesday June 4, 2019 with the lowest bid considerably above the engineer's estimate. The bids were rejected at that time.

Hiawatha has also contracted with Shive Hattery Engineers to prepare the plans and specifications for the 2019 Center Point Road Resurfacing project. This section of Center Point Road was resurfaced in 2003. The new plan is to combine these 2 projects together into one large project to be completed next year. We had Shive Hattery repackage the contract to include both projects and develop new bidding documents.

The plans and specifications for the new repackaged project include the following:

- Installation of traffic signal, and the traffic poles preordered by the City
- Remove and replace the Willman Street intersection and sidewalks
- Replace the intersection and sidewalks with colored concrete
- Stage the intersection closing ½ at a time
- Close Willman Street during construction and establish detour routes
- Mill the existing surface of Center Point Road keeping all the existing curbs
- Place new extra dense Hi-PRO Asphalt surface
- Repaint the traffic lanes
- All asphalt work will be required to take place at night.
- Engineers Opinion of Construction Cost $700,000
- Funding LOST, Remaining GO

- The project schedule:
    - Set Public Hearing direct publication of notice to bidders — September 4, 2019
    - Plans available to Bidders — September 5, 2019
    - Receive Bids — September 24, 2019
    - Hold Public hearing — October 2, 2019
    - Approve plans, specifications, contract, estimate of cost — October 2, 2019
    - Council award contract and bond — October 2, 2019
    - Early start date for 2019 — October 14, 2019
    - Late working date for any work in 2019 — November 29, 2019
    - Late start date for 2020 — April 1, 2020
    - Project Complete — July 31, 2020

Engineering has reviewed the plans and specifications and recommend we move forward with the project calendar.

Any further questions please let me know.

PLANS OF PROPOSED IMPROVEMENTS FOR

City of Hiawatha

LINN COUNTY, IOWA

Center Point Road Improvements

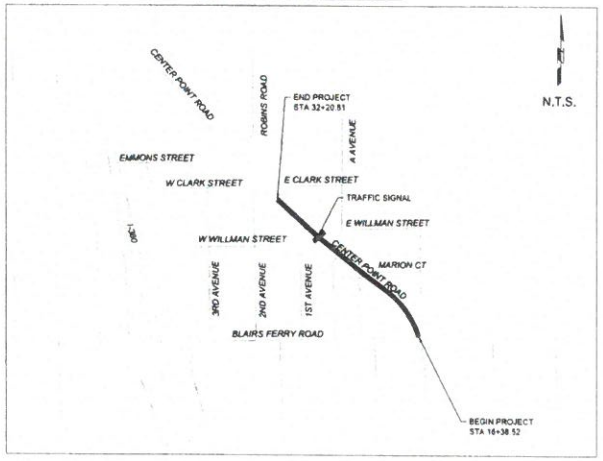
Blairs Ferry Road to Clark Street

MILEAGE SUMMARY		105-1 09-27-84	
DIV.	LOCATION	LIN. FT.	MILES
1 / 1	CENTER POINT ROAD STA 16+38.52 TO STA 32+20.81	1582.29	0.30
	TOTALS	1582.29	0.30

DESIGN DATA	101-5 04-30-02
POSTED SPEED	35 MPH
DESIGN SPEED	40 MPH
ADT	10,530

THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS)

PROJECT LOCATION MAP



TOTAL SHEETS 58

SHEET INDEX

SHEET NO.	SHEET TITLE
A.01	COVER SHEET
A.02	LEGEND
A.03 - A.04	GENERAL NOTES
A.05 - A.07	REMOVAL PLAN
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C.01 - C.03	QUANTITIES
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L.01	JOINTING PLAN
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S.01 - S.03	SIDEWALK DETAILS
W.01 - W.04	CROSS SECTIONS

Mayor And City Council

Bill Bennett (Mayor)	Aime Wichtendahl
Denny Norton	Dick Olson
Rob Archibald	Steve Dodson

HIAWATHA PUBLIC WORKS DEPARTMENT

THIS ENGINEERING DOCUMENT IS RECOMMENDED FOR FILING WITH THE CITY CLERK

CITY ENGINEER — DATE 8/28/19

LICENSED PROFESSIONAL ENGINEER — BARRETT HUBBARD 23274 — IOWA

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT DESCRIBED BELOW 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
NAME BARRETT HUBBARD
DATE 08/30/2019 LICENSE NUMBER 23274
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2019
PAGES, SHEETS OR DIVISIONS COVERED BY THIS SEAL ALL

IOWA ONE CALL

1-800-292-8989

The Utilities as shown on this drawing were developed from the information available. This is not implied nor intended to be the complete inventory of utilities in this area. It is the clients/contractors responsibility to verify the location of all utilities (whether shown or not) and protect said utilities from any damage.

SHIVEHATTERY ARCHITECTURE | ENGINEERING
323 Third Avenue SE Suite 300 | Cedar Rapids, Iowa 52401
319 364 0227 | www.shive-hattery.com
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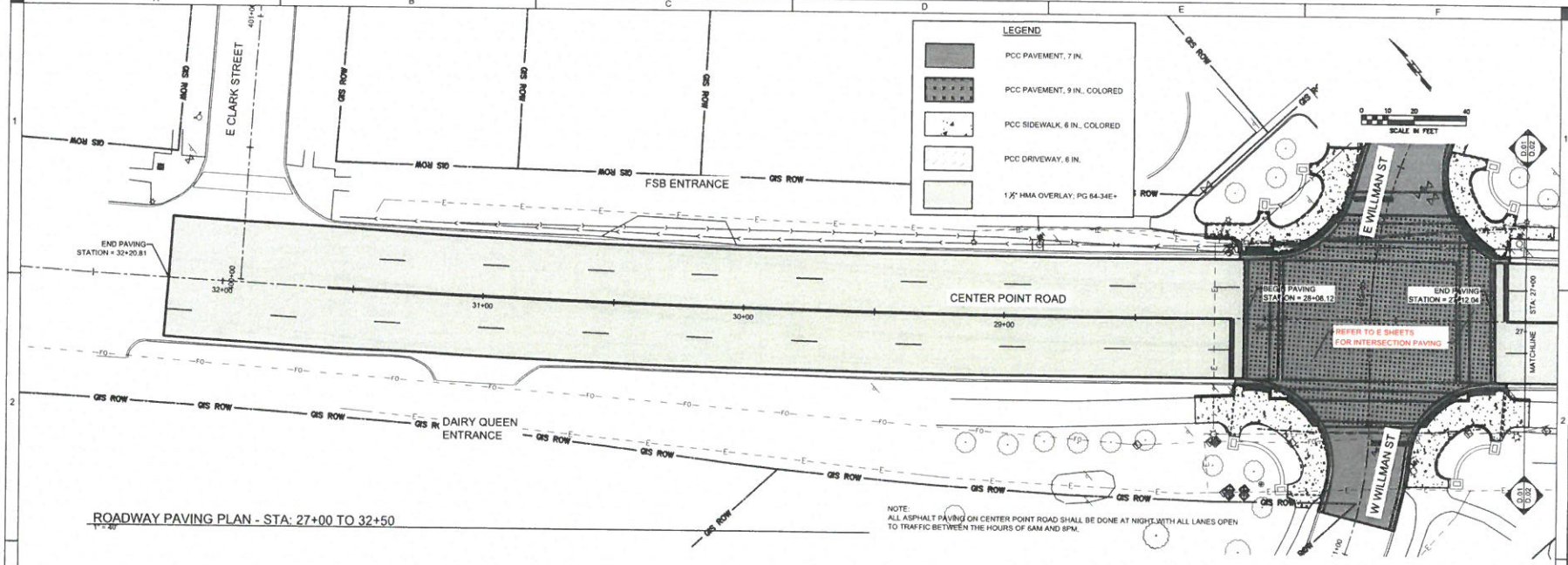
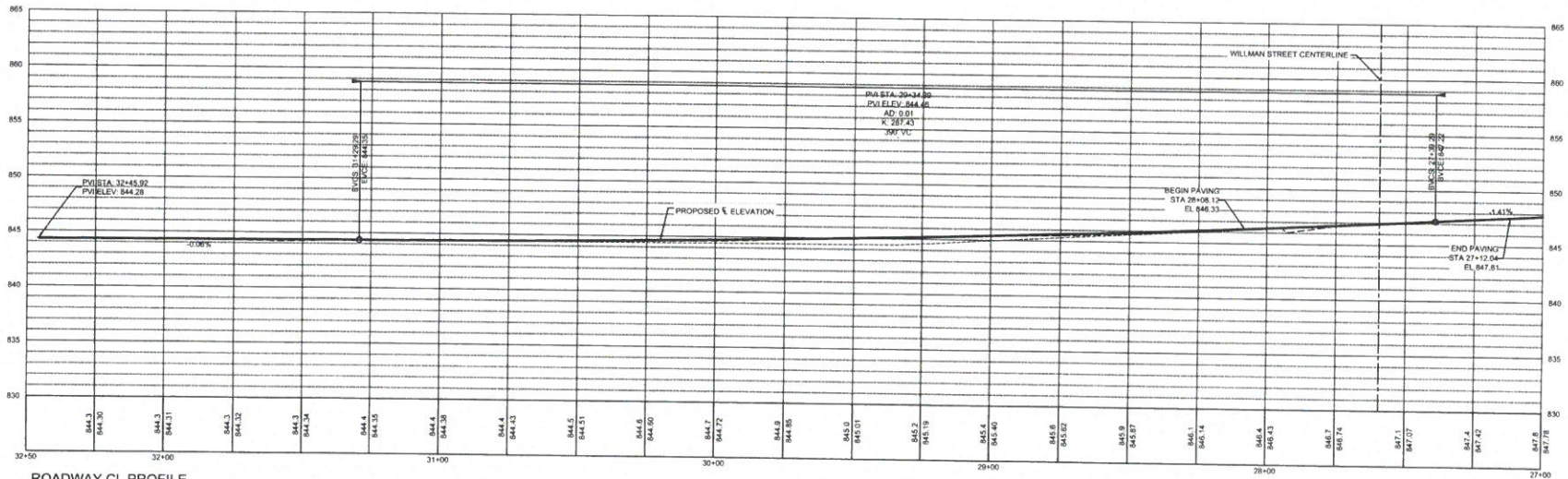
CENTER POINT ROAD IMPROVEMENTS
BLAIRS FERRY ROAD TO CLARK STREET
CITY OF HIAWATHA
LINN COUNTY, IOWA

08/30/2019
CONSTRUCTION
PROJECT NO. 2191660
CLIENT NO.

A.01



ROADWAY PAVING PLAN - STA: 27+00 TO 32+50
1" = 40'



ROADWAY CL PROFILE
H: 1" = 40' | V: 1" = 10'

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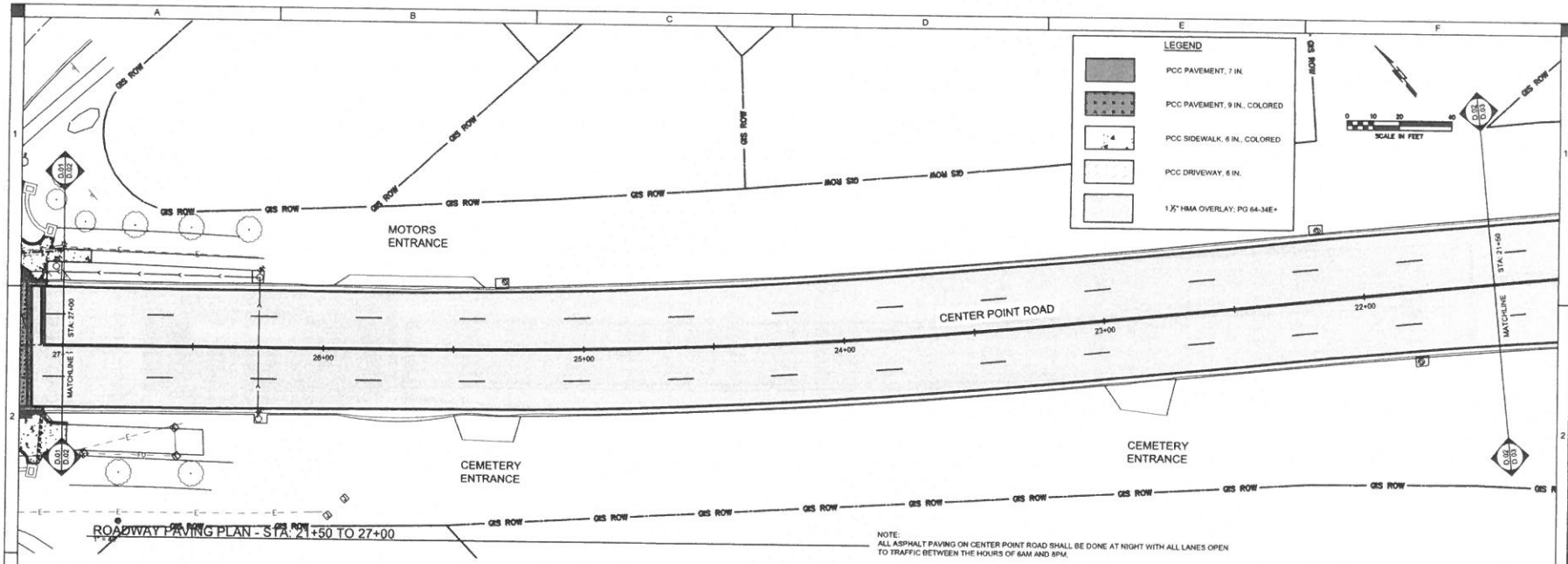
CENTER POINT ROAD IMPROVEMENTS
BLAIRS FERRY ROAD TO CLARK STREET
CITY OF HIAWATHA
LINN COUNTY, IOWA

DRAWN: EAV
APPROVED: BH
ISSUED FOR: CONSTRUCTION
DATE: 08/30/2019
PROJECT NO: 219160
FIELD BOOK: —
CLIENT NO: —

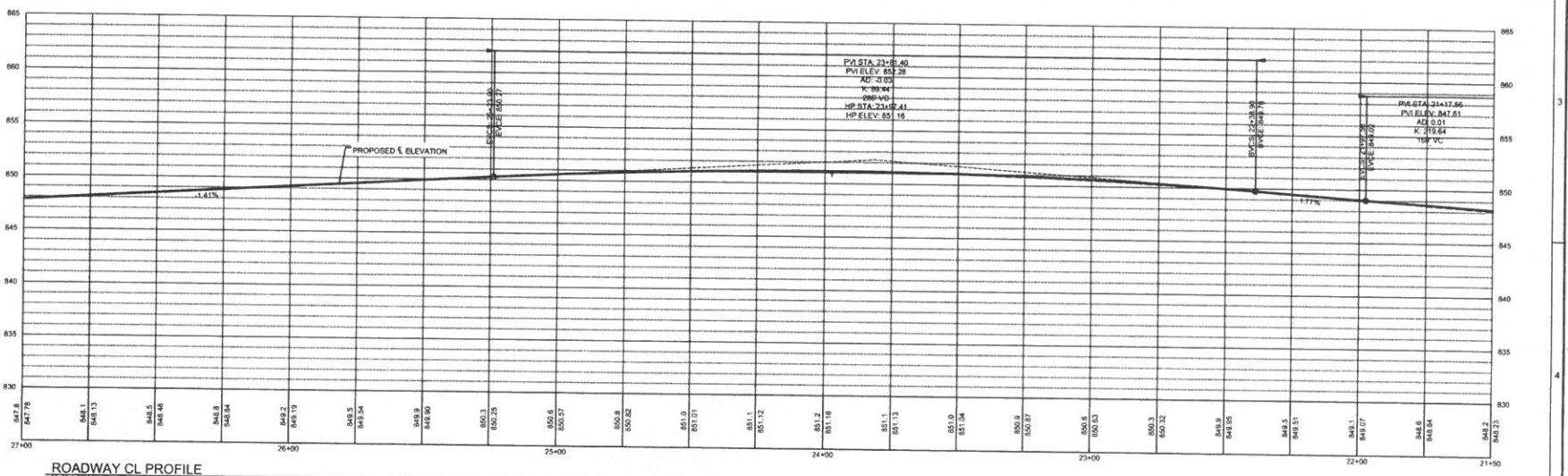
MAINLINE PLAN AND PROFILE

D.01



ROADWAY PAVING PLAN - STA. 21+50 TO 27+00

NOTE:
ALL ASPHALT PAVING ON CENTER POINT ROAD SHALL BE DONE AT NIGHT WITH ALL LANES OPEN TO TRAFFIC BETWEEN THE HOURS OF 6AM AND 8PM.



ROADWAY CL PROFILE
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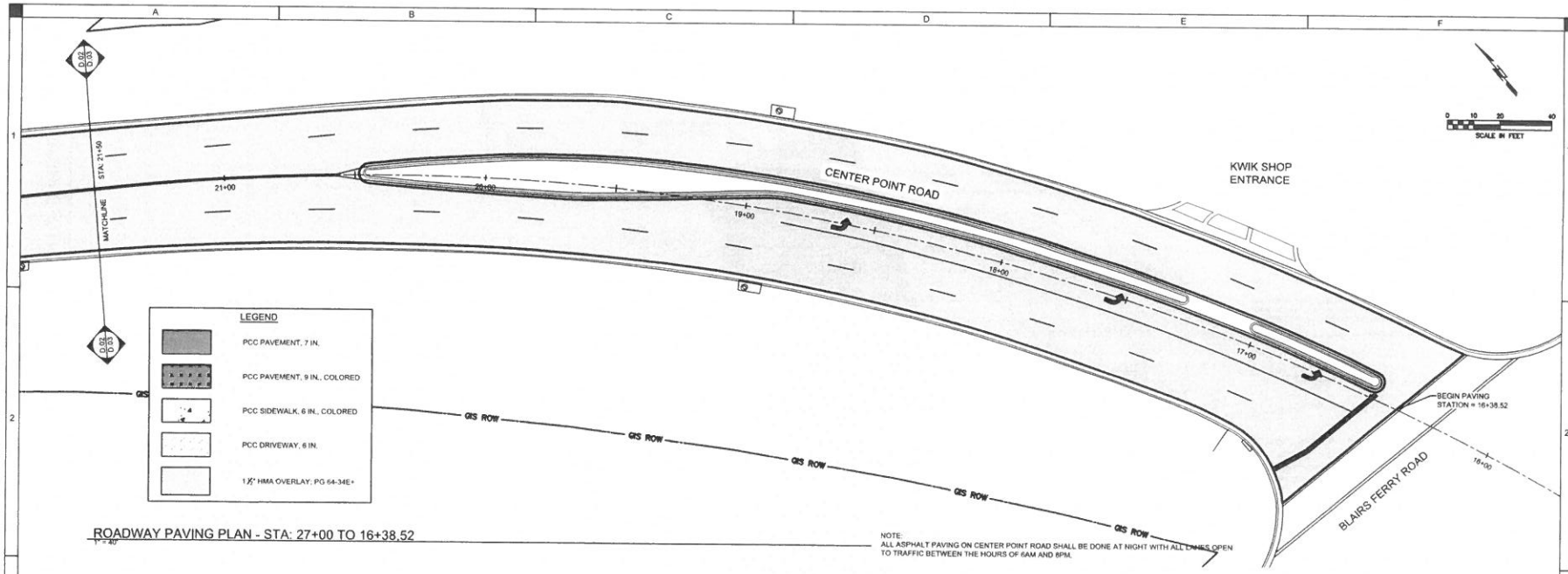
CENTER POINT ROAD IMPROVEMENTS
BLAIRS FERRY ROAD TO CLARK STREET
CITY OF HIAWATHA
LINN COUNTY, IOWA

DRAWN: EAV
APPROVED: BH
ISSUED FOR: CONSTRUCTION
DATE: 08/30/2019
PROJECT NO: 219180
FIELD BOOK: —
CLIENT NO: —

MAINLINE PLAN AND PROFILE

D.02



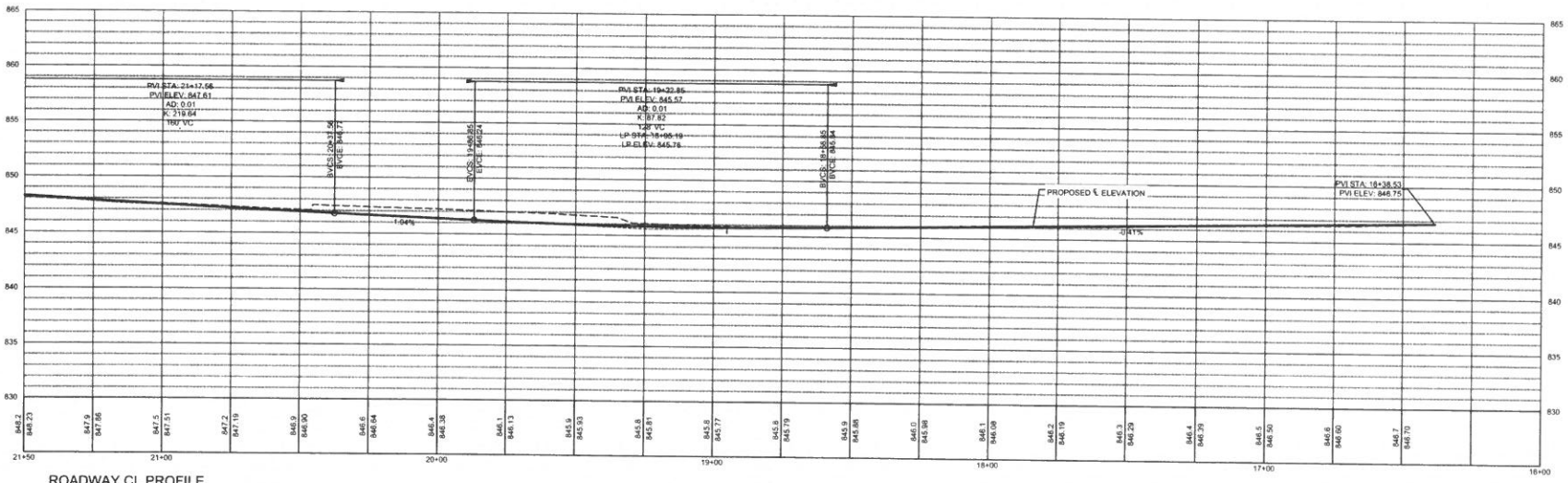
LEGEND

- PCC PAVEMENT, 7 IN.
- PCC PAVEMENT, 9 IN., COLORED
- PCC SIDEWALK, 6 IN., COLORED
- PCC DRIVEWAY, 6 IN.
- 1½" HMA OVERLAY; PG 64-34E+

ROADWAY PAVING PLAN - STA: 27+00 TO 16+38.52

1" = 40'

NOTE:
ALL ASPHALT PAVING ON CENTER POINT ROAD SHALL BE DONE AT NIGHT WITH ALL LANES OPEN TO TRAFFIC BETWEEN THE HOURS OF 6AM AND 8PM.



ROADWAY CL PROFILE

H: 1" = 40' | V: 1" = 10'

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CENTER POINT ROAD IMPROVEMENTS
BLAIRS FERRY ROAD TO CLARK STREET
CITY OF HIAWATHA
LINN COUNTY, IOWA

DRAWN: EAV
APPROVED: BH
ISSUED FOR: CONSTRUCTION
DATE: 06/30/2019
PROJECT NO: Z191660
FIELD BOOK: —
CLIENT NO: —

MAINLINE PLAN AND PROFILE

D.03

F:\Projects\CP\219160\Generated\Drawings\1_Cad\E.01 Side Street Plan and Profile.dwg
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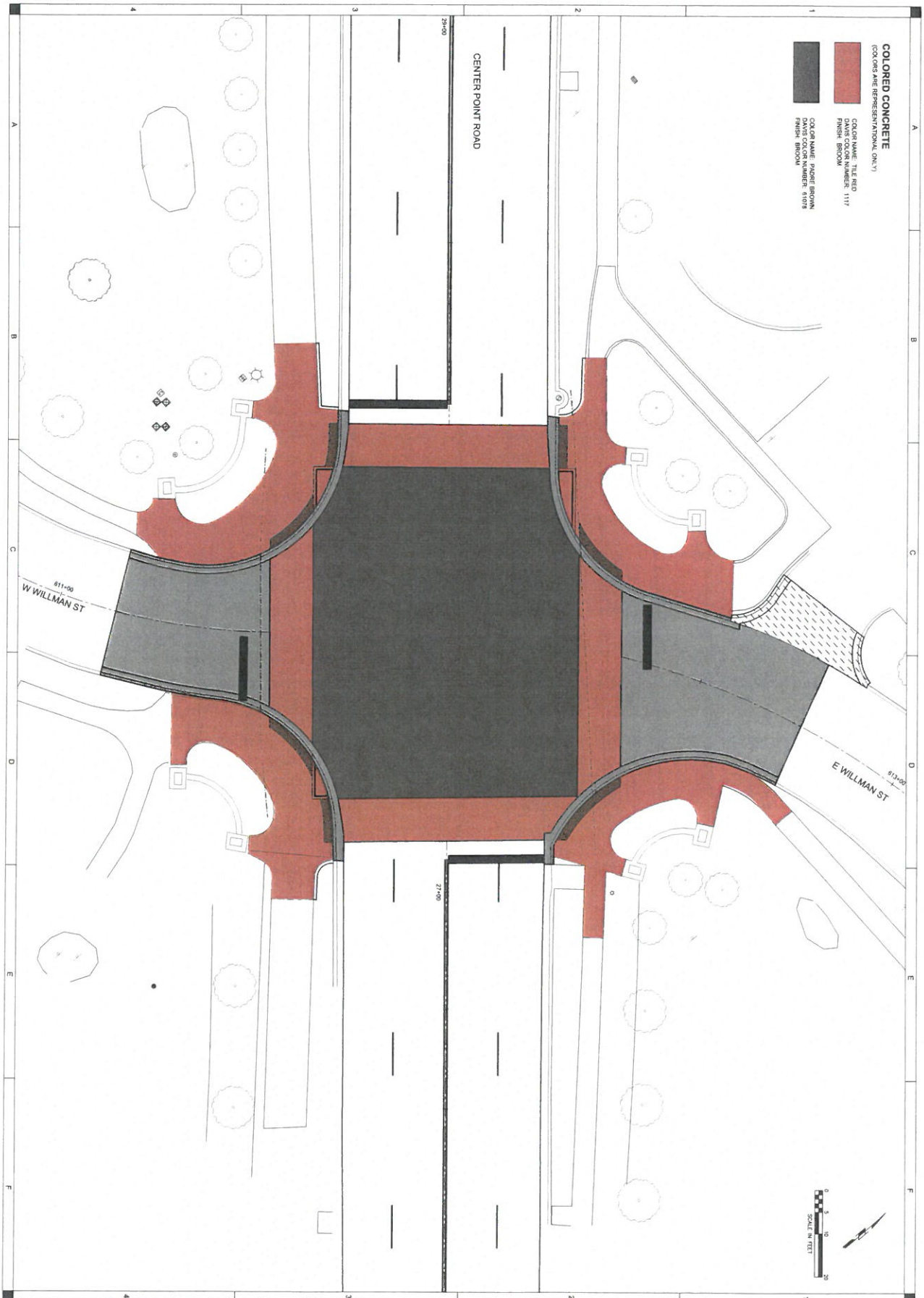

E.02	SIDE STREET PLAN	DRAWN: SAV APPROVED: SH ISSUED FOR: CONSTRUCTION DATE: 06/30/2019 PROJECT NO: 2191660 FIELD BOOK: — CLIENT NO:	CENTER POINT ROAD IMPROVEMENTS BLAIRS FERRY ROAD TO CLARK STREET CITY OF HIAWATHA LINN COUNTY, IOWA

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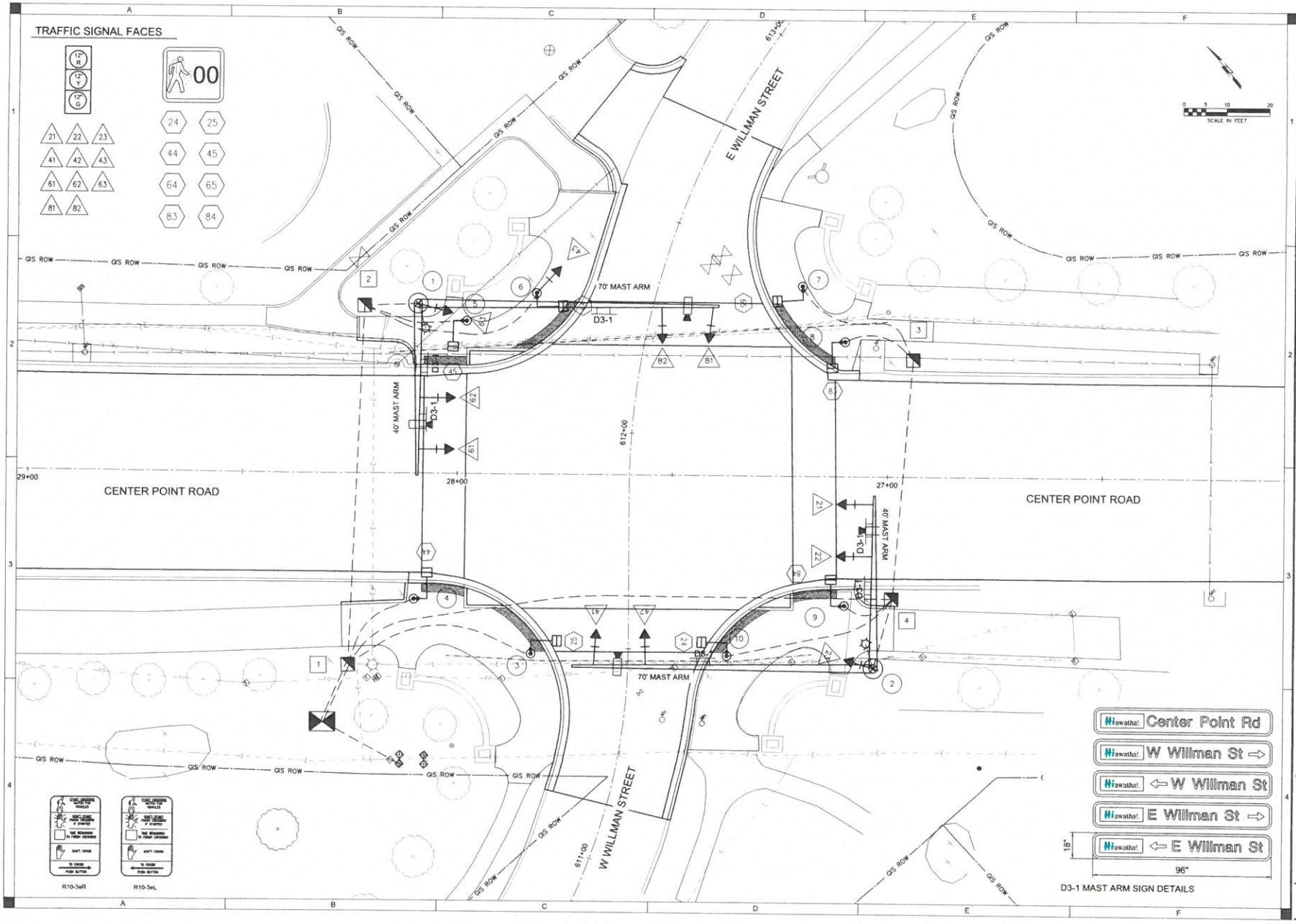

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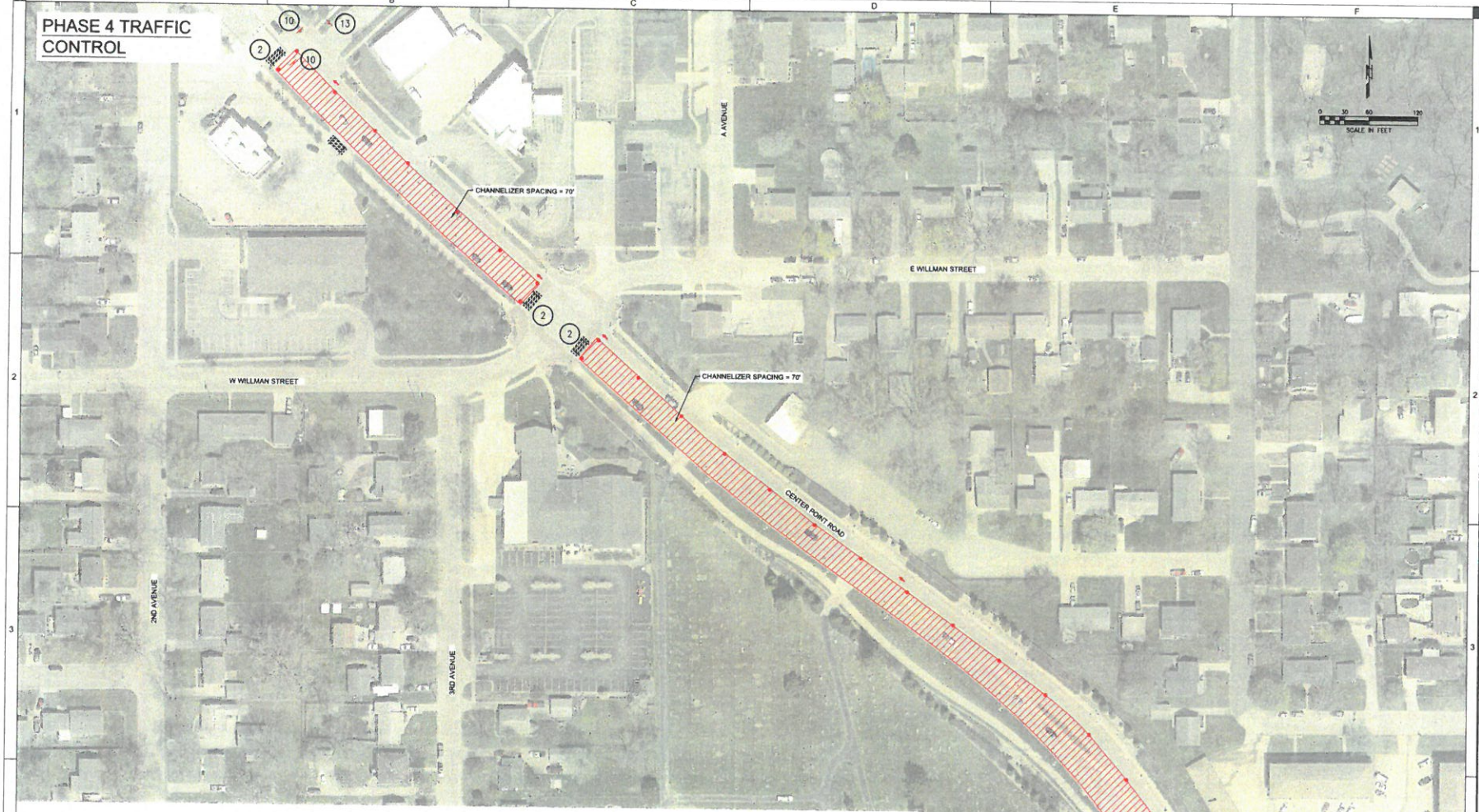
CENTER POINT ROAD IMPROVEMENTS
BLAIRS FERRY ROAD TO CLARK STREET
CITY OF HIAWATHA
LINN COUNTY, IOWA

DRAWN: EAV
APPROVED: BH
ISSUED FOR: CONSTRUCTION
DATE: 06/06/2019
PROJECT NO: 219Y660
FIELD BOOK: –
CLIENT NO:

TRAFFIC SIGNAL PLAN

N.02

PHASE 4 TRAFFIC CONTROL



LEGEND

● ●	42" CHANNELIZERS	➡	DIRECTION OF TRAFFIC
×	DRUM		TYPE III BARICADE
	WORK AREA		ARROW BOARD
	TRAFFIC CONTROL SIGN	(3)	SIGN DETAIL NO. SEE SHEET J.01

PHASE 4

TRAFFIC CONTROL

- DETOUR ROUTE TRAFFIC CONTROL WILL BE INSTALLED FOR WORK BETWEEN EAST CLARK STREET AND BLAIRS FERRY ROAD NE.
- COMPLETE MILLING OF SOUTHBOUND LANE.
- NORTHBOUND LANES TO BE REDUCED TO ONE LANE; SOUTHBOUND TRAFFIC TO FOLLOW DETOUR.
- TWO-WAY, TWO LANE TRAFFIC TO REMAIN OUTSIDE OF WORKING ZONE.
- INTERSECTION OF EAST WILLIAM STREET AND NORTH CENTER POINT ROAD WILL REMAIN OPEN DURING PHASES 3 AND 4. CONTRACTOR CAN KEEP CLOSED PER TRAFFIC CONTROL SIGNAL PROJECT.
- SB LANES TO ONLY BE CLOSED BETWEEN THE HOURS OF 8PM AND 6AM.

CONSTRUCTION

- MILL EXISTING SURFACE AND INSTALL ASPHALT OVERLAY

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CITY OF HIAWATHA
LINN COUNTY, IOWA

DRAWN: EAV
APPROVED: BH
ISSUED FOR: CONSTRUCTION
DATE: 06/30/2019
PROJECT NO: 219168
FIELD BOOK: –
CLIENT NO: –

TRAFFIC CONTROL

J.12

RESOLUTION NO. 19-
City Council

RESOLUTION SETTING PUBLIC HEARING DATE FOR THE 2019 CENTER POINT ROAD IMPROVEMENTS BLAIRS FERRY ROAD TO CLARK STREET

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HIAWATHA, IOWA to direct the City Clerk to proceed with notification of a public hearing that will be held in the Hiawatha Council Chambers, 101 Emmons Street, before the Hiawatha City Council on Wednesday, October 2, 2019 at 5:30 P.M. to consider adoption and placing on file of plans, specifications, form of contract and estimate of cost for the 2019 Center Point Road Improvements Blairs Ferry Road to Clark Street, and further direct publication of notice to bidders.

AYES:
NAYS:
ABSENT:

PASSED AND APPROVED this 4th day of September, 2019.

_____
Bill Bennett, Mayor

ATTEST:

_____
Kari Graber, City Clerk