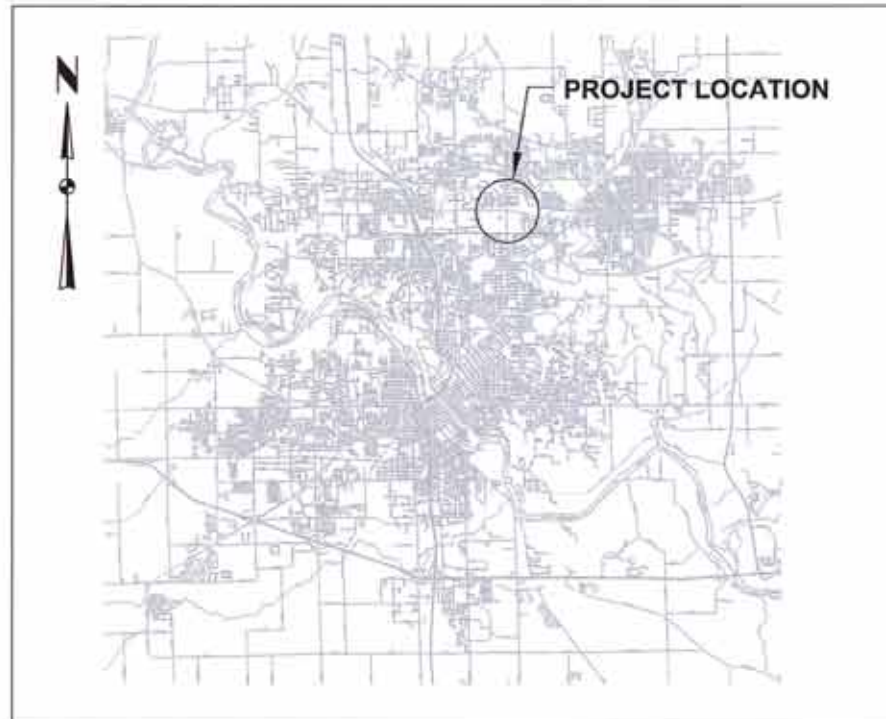


PLANS OF IMPROVEMENTS FOR:  
2018

ATTACHMENT E



**BLAIRS FERRY RD NE AND C AVE NE ROADWAY IMPROVEMENTS**  
**CITY OF CEDAR RAPIDS, IOWA**  
306280-01




**LOCATION MAP**  
NOT TO SCALE

INDEX OF SHEETS	
SHEET No.	DESCRIPTION
A.01	TITLE SHEET
C.01	QUANTITIES AND GENERAL INFORMATION
C.02 - C.03	REMOVALS
J.01 - J.08	TRAFFIC CONTROL AND STAGING SHEETS
N.01 - N.03	TRAFFIC SIGNAL SHEETS
P.01 - P.07	PAVEMENT MARKING AND SIGNAGE

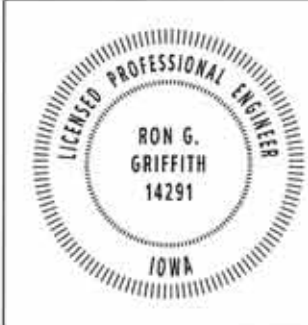
NOTE:  
THE PROPOSED IMPROVEMENTS INCLUDED IN THESE DRAWINGS  
HAVE BEEN DESIGNED IN ACCORDANCE WITH THE CEDAR RAPIDS  
METROPOLITAN AREA DESIGN STANDARDS MANUAL (LATEST  
EDITION) WITH NO DESIGN EXCEPTIONS.


<b>CITY OF CEDAR RAPIDS</b>	
THIS ENGINEERING DOCUMENT IS APPROVED.	
	8/13/18
CITY ENGINEER OR DESIGNEE	DATE
	8/13/2018
CITY TRAFFIC ENGINEER OR DESIGNEE	DATE

PLANS PREPARED BY:
<b>CITY OF CEDAR RAPIDS, PUBLIC WORKS</b> 500 15TH AVENUE SW, CEDAR RAPIDS, IA 52404 PHONE: 319-286-5802

PLANS PREPARED FOR:
 <b>CEDAR RAPIDS</b> City of Five Seasons
CITY COUNCIL:
MAYOR: BRADLEY G. HART
AT LARGE: TYLER OLSON
AT LARGE: ANN POE
AT LARGE: SUSIE WEINACHT
DISTRICT 1: MARTY HOEGER
DISTRICT 2: SCOTT OVERLAND
DISTRICT 3: DALE TODD
DISTRICT 4: SCOTT OLSON
DISTRICT 5: ASHLEY VANORNY

<b>DESIGN DATA</b>
MAJOR ARTERIAL
DESIGN SPEED = 40 MPH



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.	
	08/10/2018
RON G. GRIFFITH, P.E.	DATE
LICENSE NUMBER: 14291	
MY LICENSE RENEWAL DATE IS: DECEMBER 31, 2019	
PAGES OR SHEETS COVERED BY THIS SEAL: ALL	

**Quantity Summary**  
**Blairs Ferry Rd NE at C Ave NE Intersection Improvements**

NO	STD ITEM NO	ITEM	UNIT	CALCS				QUANTITY SUMMARY	TOTAL QUANTITY	NOTES
1	01100-01	Mobilization	LS					1	1	
2	01200-01	Traffic Control	LS					1	1	
3	01400-35	Removal of Signs	LS					1	1	Includes removal of sign hardware and salvage of signs Estimate based on # of sign blanks removed
4	02850-01	Pavement Marking Removal - Lines	LF	lf	x	wf	mult		Total LF	Contractor shall minimize dust and noise within neighborhood during removal operations
		4" solid line		1	x	1	1	4285	4285	
		4" dashed line		0.25	x	1	0.25	5575	1393.75	
		24" solid line		1	x	6	6	210	1260	
<b>Total - Pavement Marking Removal</b>									<b>5679</b>	
5	02850-02	Pavement Marking Removal - Symbols & Legends	EA					13	13	
6	02850-04	Durable Pavement Markings - Symbols & Legends	EA					16	16	Use durable markings - Epoxy or Thermoplastic
7	02850-40	Painted Pavement Markings - 4" White	LF	lf	x	wf	mult		Total LF	Install per plan
		4" solid line		1	x	1	1	1990	1990	
		4" dashed line		0.25	x	1	0.25	3180	795	dashed = 10' stripe - 30' gap
<b>Total - 4" White</b>									<b>2785</b>	
8	02850-43	Painted Pavement Markings - 24" White Stop Bar	LF	lf	x	wf	mult		Total LF	Install per plan
		24" solid line		1	x	1	1	210	210	
<b>Total - 24" White Stop Bar</b>									<b>210</b>	
9	02850-44	Painted Pavement Markings - 4" Yellow	LF	lf	x	wf	mult		Total LF	Install per plan
		4" solid line		1	x	1	1	1030	1030	
		4" solid double line		2	x	1	2	1565	3130	
		4" dashed line		0.25	x	1	0.25	1030	257.5	dashed = 10' stripe - 30' gap
<b>Total - 4" Yellow</b>									<b>4418</b>	
10		Traffic Signals	LS					1	1	
11	02960-01	Type A Signs, Regulatory, Sheet Aluminum R3-8 Advance Intersection Lane Control	SF	in	x	in	SF	EA	Total SF	<b>NOTES below pertain to ALL SIGNS</b> Sign reflectivity per MUTCD and most recent IDOT Standard Specs
				30	x	80	16.67	2	33.33	
<b>Total - Signs, Regulatory</b>									<b>33.33</b>	
12	02960-03	Perforated Square Steel Tube Posts 2" Steel Post	LF	ft		ft	LF	EA	Total LF	All hardware to secure posts and extensions is incidental Use 2 posts per R3-8 sign
				1	x	11	11	4	44.0	
<b>Total - Square Posts</b>									<b>44.0</b>	
13	02960-04	Perforated Square Steel Tube Posts, Soil Stabilizing Anchor	EA					4	4	Includes all hardware

## NOTES:

- Unless otherwise noted all work shall follow the latest specifications and details found in the most recent edition of the Cedar Rapids Metropolitan Area Standard Specifications for Public Improvements and the Cedar Rapids Metropolitan Area Standard Details for Public Improvements.
- Call Iowa One Call (811 or 1-800-292-8989) prior to digging. Utilities are not shown on the plan.
- All sign locations shown are approximate and shall be staked by the Contractor and approved by the City prior to installation.
- All removed sign hardware and sign posts shall be salvaged by the Contractor.
- All removed signs shall be returned to the City Services Center, 500 15th Ave SW. Coordinate specific drop-off location with Traffic Engineering Ph: 286-5176
- Traffic Control shall be provided at all times unless the work can be considered as short-term operations per the MUTCD.
- All areas of excavation shall be restored by the Contractor. Restoration work is incidental to all contract items.

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 User: jrb  
 Plot Date: 11/11/2014 10:10:10 AM  
 Plot User: jrb

PREPARED BY:  
 CITY OF CEDAR RAPIDS, PUBLIC WORKS  
 500 15TH AVENUE SW, CEDAR RAPIDS, IA 52404  
 PHONE: 319-286-5802

XX No.	DESCRIPTION REVISION DESCRIPTION	XXX APPROVED	MM/DD/YYYY DATE

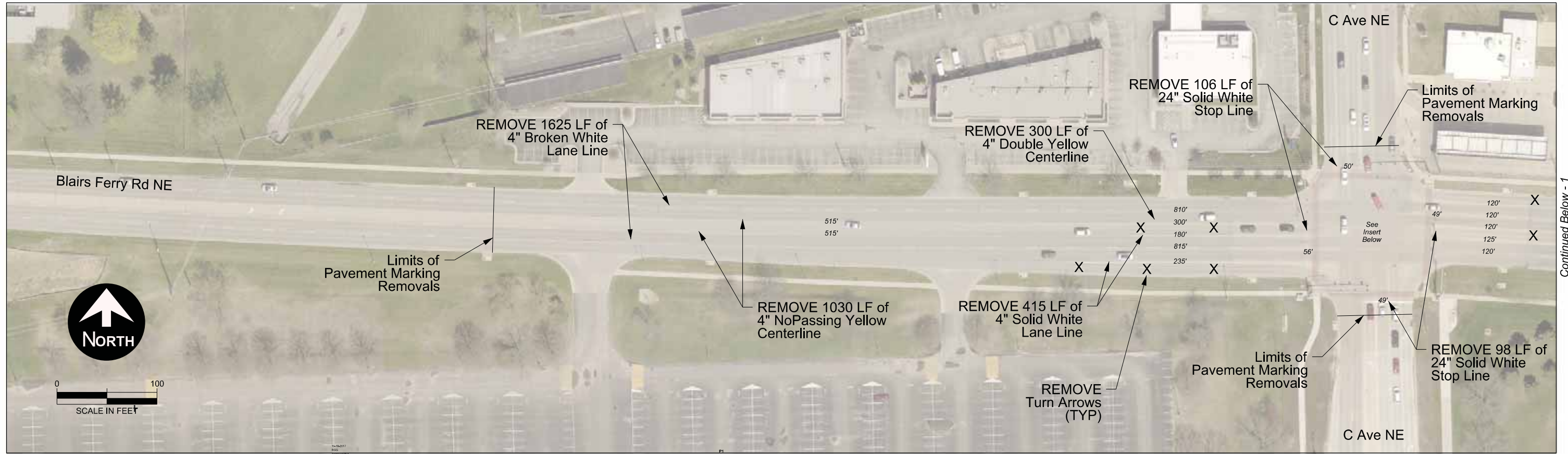


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 Drawn By:  
 Approved By:  
 CIP No:

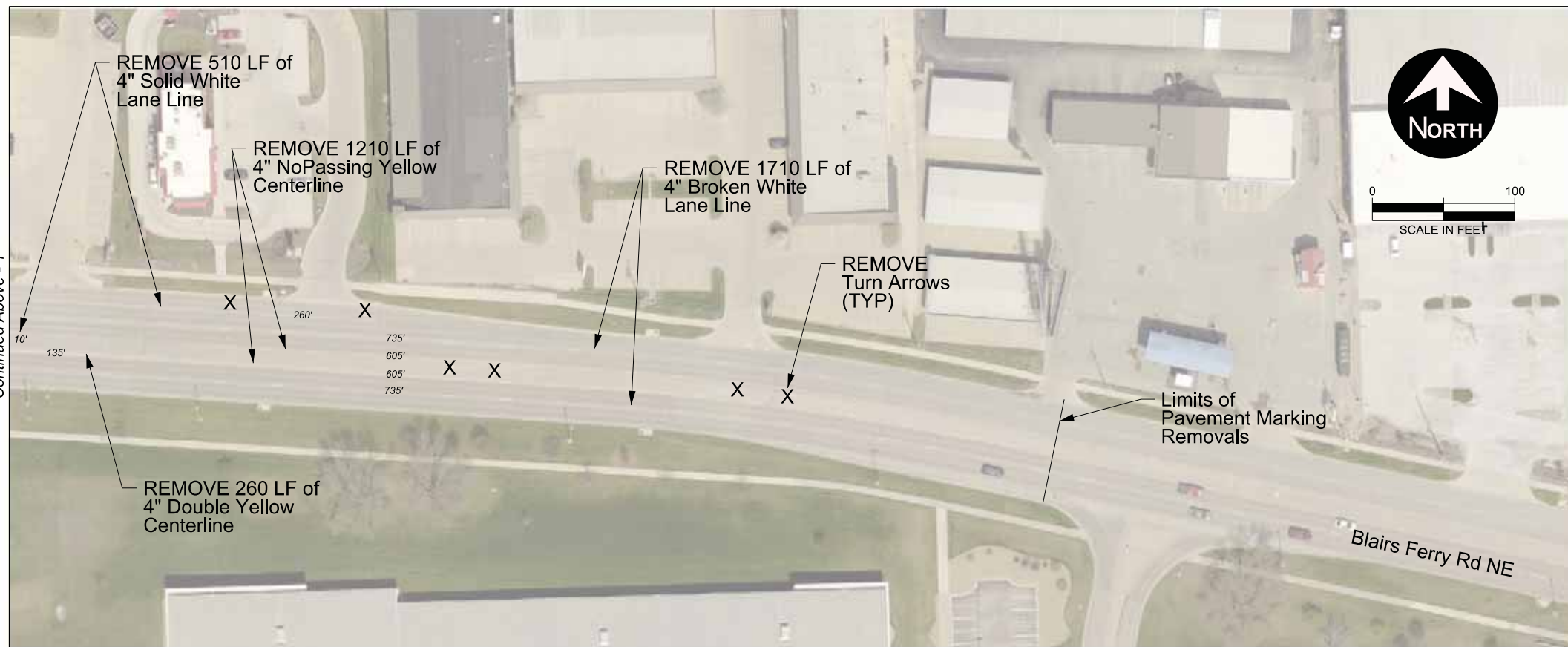
**BLAIRS FERRY RD NE  
 & C AVE NE  
 INTERSECTION IMPROVEMENTS**

ESTIMATE REFERENCE

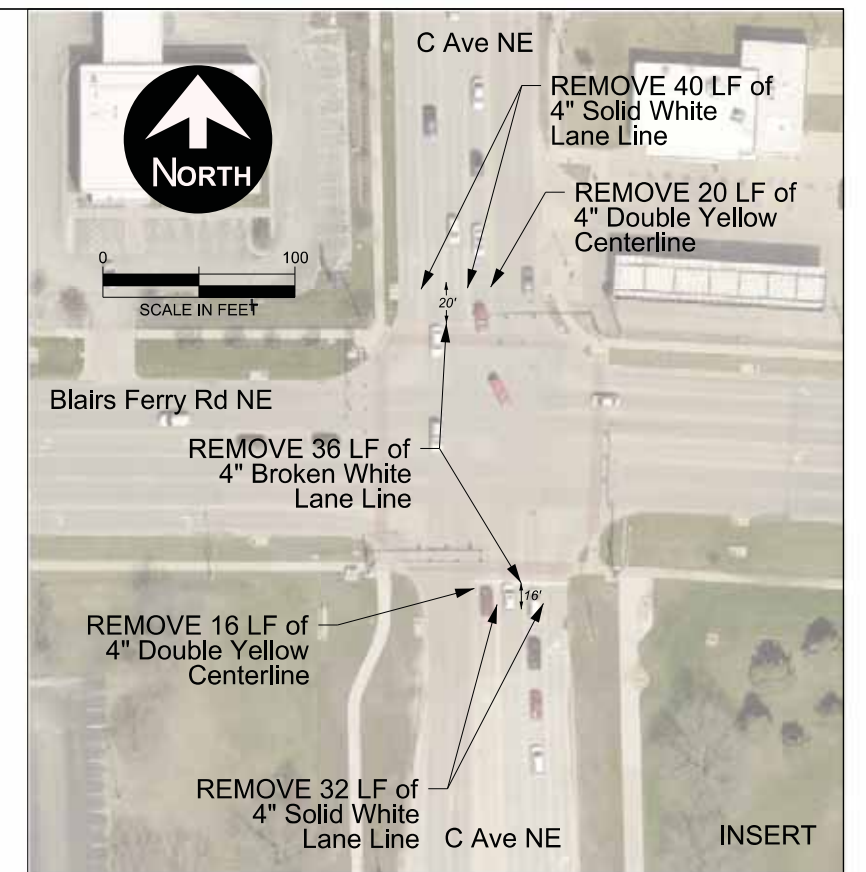
SHEET No.  
**C1**  
**C3**



Continued Below - 1



Continued Above - 1



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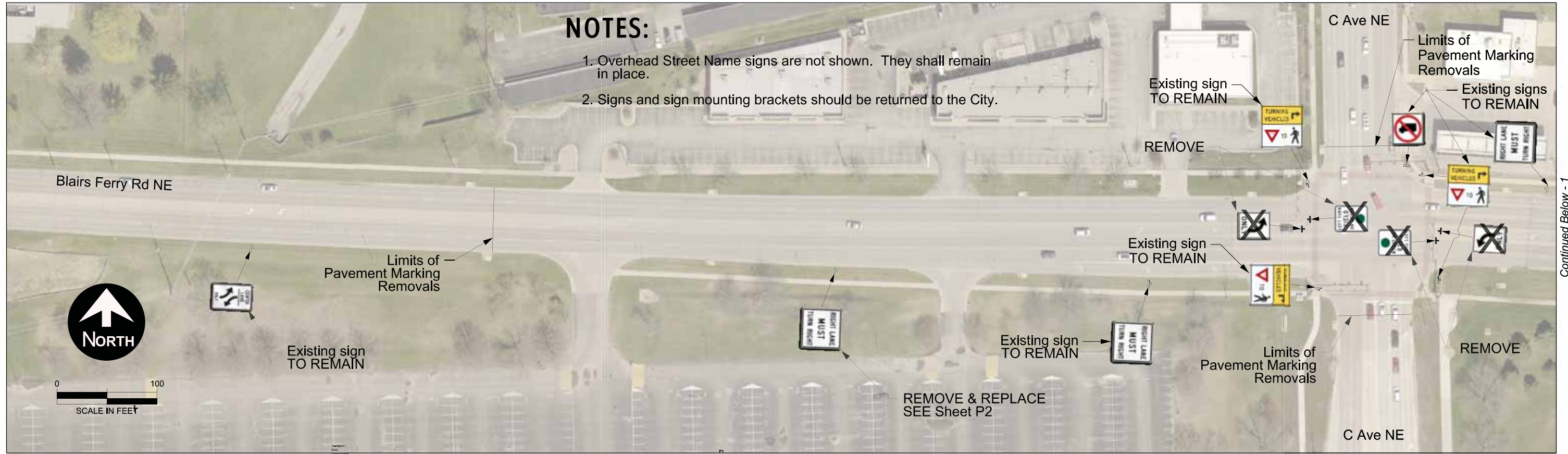
**BLAIRS FERRY RD NE  
 & C AVE NE  
 INTERSECTION IMPROVEMENTS**

**REMOVAL  
 PLAN**

SHEET No.  
**C2**  
**C3**

**NOTES:**

1. Overhead Street Name signs are not shown. They shall remain in place.
2. Signs and sign mounting brackets should be returned to the City.



Continued Below - 1



Continued Above - 1

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XX No.	DESCRIPTION REVISION DESCRIPTION	XXX APPROVED	MM/DD/YYYY DATE



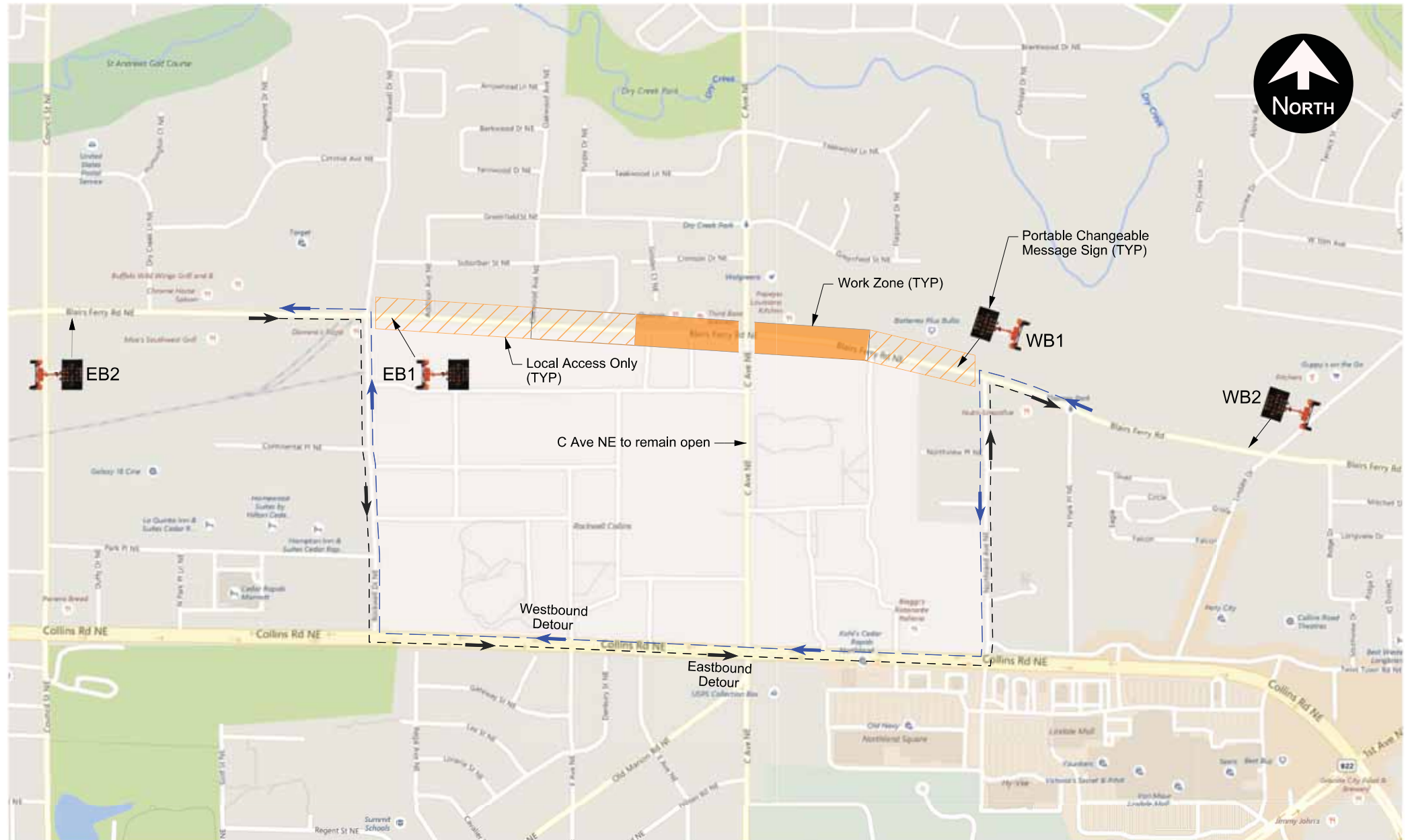
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 Drawn By:  
 Approved By:  
 CIP No:

**BLAIRS FERRY RD NE  
 & C AVE NE  
 INTERSECTION IMPROVMENTS**

**REMOVAL  
 PLAN**

SHEET No.  
**C3**  
**C3**

PKA Date: \\cityofcedar-rapids\publicworks\blairs\_ferry\_rd\_ne\_c\_ave\_ne\c3\blairs\_ferry\_rd\_ne\_c\_ave\_ne\c3\blairs\_ferry\_rd\_ne\_c\_ave\_ne\_c3\border.dgn



## Detour Map & Sheet Index

Not to Scale

### NOTES:

1. Detour signage shall be in place and maintained at all times during the overnight closure of Blairs Ferry Road NE.
2. Portable Changeable Message signs shall be in locations EB1 and WB1 at least 5 working days prior to the overnight closure of Blairs Ferry Rd NE. The message displayed on both signs shall be as follows or similar (change must be approved by the ENGINEER):

Message 1: Blairs Ferry Rd Closing      Message 2: At C Ave

Message 3: <Date of Closure>  
<Time of Closure>

3. At the start of the closure, Portable Changeable Message signs shall be redeployed from EB1 to EB2 and WB1 to WB2. The message displayed on both signs shall be change to the following or similar (change must be approved by the ENGINEER):

Message 1: Blairs Ferry Rd Closed      Message 2: At C Ave

Message 3: Follow Detour

4. All Detour signage shall be removed immediately after the detoured route (Blairs Ferry Rd NE) is open to traffic.
5. The location of signs shown in the Traffic Control Plan are approximate. Signs shall be placed in the field as close as possible to plan locations in accordance with the most recent edition of the Manual on Uniform Traffic Control Devices (MUTCD).
6. All work and closures of Blairs Ferry Rd as shown shall occur overnight between 10pm and 6am. Barricades and signs may be pre-staged prior to the closure to allow for efficient setup.
7. The traffic signal at Blairs Ferry Rd and C Ave may be shut-down during the closure. See N Sheets for all signal work.

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PREPARED BY:  
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 500 15TH AVENUE SW, CEDAR RAPIDS, IA 52404  
 PHONE: 319-286-5802

XX No.	DESCRIPTION REVISION DESCRIPTION	XXX APPROVED	MM/DD/YYYY DATE



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 Drawn By:  
 Approved By:  
 CIP No:

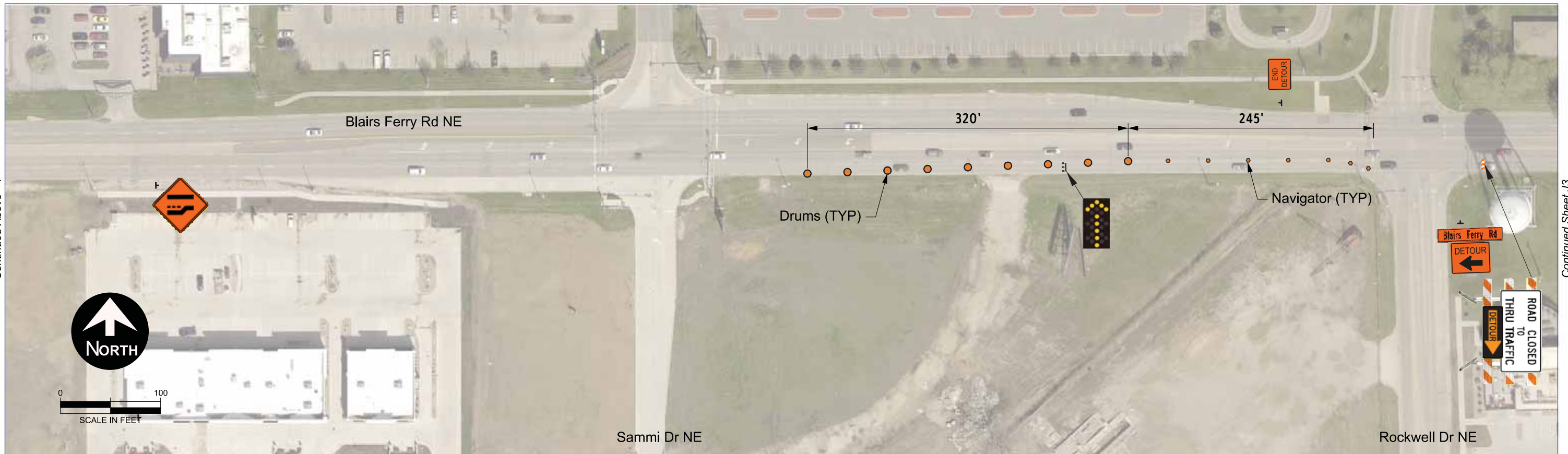
**BLAIRS FERRY RD NE  
 & C AVE NE  
 INTERSECTION IMPROVEMENTS**

**TRAFFIC CONTROL  
 PLAN**

SHEET No.  
**J1**  
**J8**



Continued Below - 1



Continued Above - 1

Continued Sheet J3

Continued Sheet J6

PREPARED BY:  
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500 15TH AVENUE SW, CEDAR RAPIDS, IA 52404  
PHONE: 319-286-5802

XX No.	DESCRIPTION REVISION DESCRIPTION	XXX APPROVED	MM/DD/YYYY DATE



Date:  
Drawn By:  
Approved By:  
CIP No:

**BLAIRS FERRY RD NE  
& C AVE NE  
INTERSECTION IMPROVEMENTS**

**TRAFFIC CONTROL  
PLAN**

SHEET No.  
J2  
J8

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Continued Sheet J2

Continued Below - 1



Continued Above - 1

Continued Sheet J4

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PREPARED BY:  
 CITY OF CEDAR RAPIDS, PUBLIC WORKS  
 500 15TH AVENUE SW, CEDAR RAPIDS, IA 52404  
 PHONE: 319-286-5802

XX No.	DESCRIPTION REVISION DESCRIPTION	XXX APPROVED	MM/DD/YYYY DATE

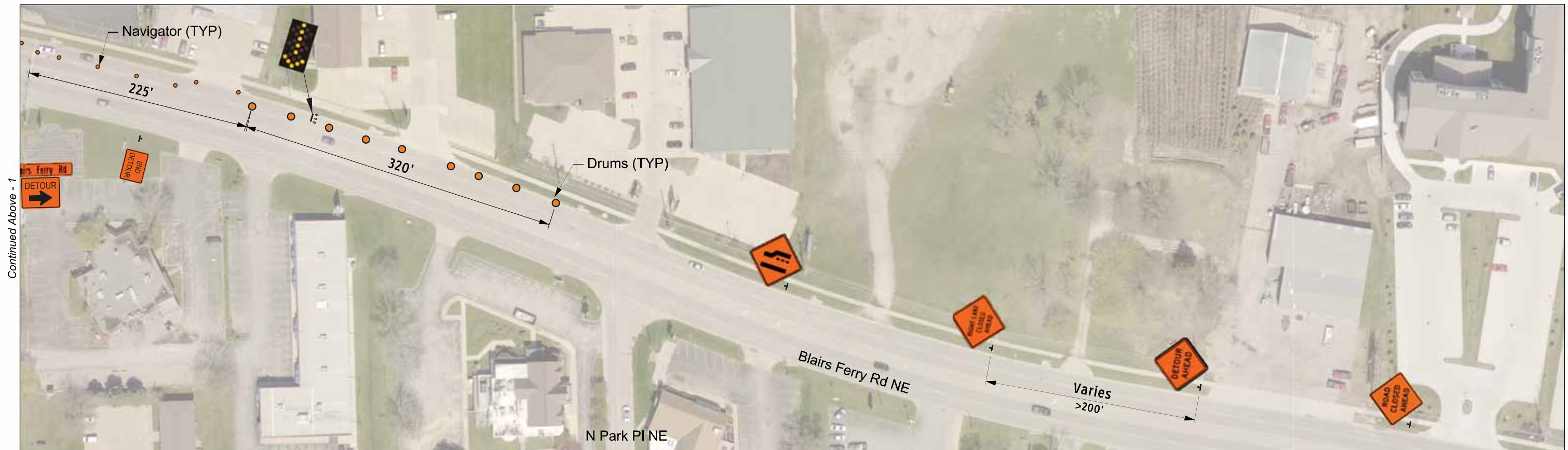


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 Drawn By:  
 Approved By:  
 CIP No:

**BLAIRS FERRY RD NE  
 & C AVE NE  
 INTERSECTION IMPROVEMENTS**

**TRAFFIC CONTROL  
 PLAN**

SHEET No.  
**J3**  
**J8**



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PREPARED BY:  
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XX No.	DESCRIPTION REVISION DESCRIPTION	XXX APPROVED	MM/DD/YYYY DATE



Date:  
 Drawn By:  
 Approved By:  
 CIP No:

**BLAIRS FERRY RD NE  
 & C AVE NE  
 INTERSECTION IMPROVEMENTS**

**TRAFFIC CONTROL  
 PLAN**

SHEET No.  
**J4**  
**J8**





PKA Dates: \\cityofcedar-rapids\publicworks\blairs\_ferry\_rd\_ne\_c\_ave\_ne\traffic\_control\blairs\_ferry\_rd\_ne\_c\_ave\_ne\blairs\_ferry\_rd\_ne\_c\_ave\_ne\_traffic\_control\blairs\_ferry\_rd\_ne\_c\_ave\_ne\_traffic\_control.dgn  
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XX No.	DESCRIPTION REVISION DESCRIPTION	XXX APPROVED	MM/DD/YYYY DATE



Date:  
 Drawn By:  
 Approved By:  
 CIP No:

**BLAIRS FERRY RD NE  
 & C AVE NE  
 INTERSECTION IMPROVEMENTS**

**TRAFFIC CONTROL  
 PLAN**

SHEET No.  
**J5**  
**J8**

Continued Sheet J5

Rockwell Dr NE



Continued Below - 1

Continued Sheet J5

C Ave NE



Continued Sheet J7

Continued Above - 1

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PHONE: 319-286-5802

XX No.	DESCRIPTION REVISION DESCRIPTION	XXX APPROVED	MM/DD/YYYY DATE



Date:  
Drawn By:  
Approved By:  
CIP No:

**BLAIRS FERRY RD NE  
& C AVE NE  
INTERSECTION IMPROVEMENTS**

**TRAFFIC CONTROL  
PLAN**

SHEET No.  
**J6**  
**J8**

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Continued Sheet J6



Continued Below - 1

Continued Sheet J8



Continued Above - 1

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XX No.	DESCRIPTION REVISION DESCRIPTION	XXX APPROVED	MM/DD/YYYY DATE



Date:  
 Drawn By:  
 Approved By:  
 CIP No:

**BLAIRS FERRY RD NE  
 & C AVE NE  
 INTERSECTION IMPROVEMENTS**

**TRAFFIC CONTROL  
 PLAN**

SHEET No.  
**J7**  
**J8**

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Continued Sheet J6

Collins Rd NE



Continued Below - 1

Continued Sheet J4

Blairs Ferry Rd NE



Continued Sheet J4

Continued Above - 1

PREPARED BY:  
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 PHONE: 319-286-5802

XX No.	DESCRIPTION REVISION DESCRIPTION	XXX APPROVED	MM/DD/YYYY DATE



Date:  
 Drawn By:  
 Approved By:  
 CIP No:

**BLAIRS FERRY RD NE  
 & C AVE NE  
 INTERSECTION IMPROVEMENTS**

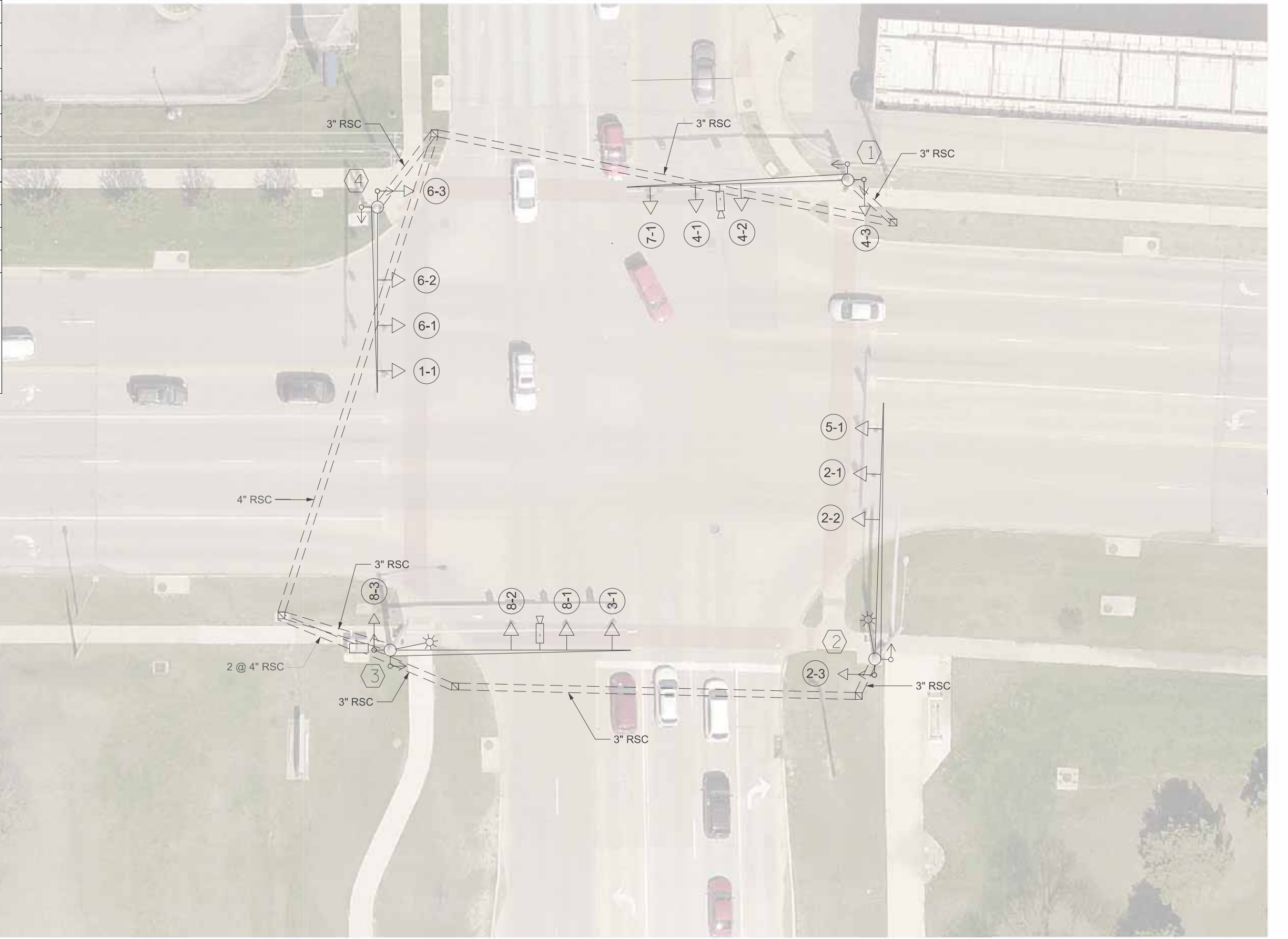
**TRAFFIC CONTROL  
 PLAN**

SHEET No.  
**J8**  
**J8**

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FACE	R	Y	FYA	G	Y	G
1-1	○	○		○	←	←
2-1, 2-2	○	○		○		
2-3	○	○		○	→	→
3-1	○	○		○	←	←
4-1, 4-2	○	○		○		
4-3	○	○		○	→	→
5-1	○	○		○	←	←
6-1, 6-2	○	○		○		
6-3	○	○		○	→	→
7-1	○	○		○	←	←
8-1, 8-2	○	○		○		
8-3	○	○		○	→	→

1. ALL SIGNAL INDICATIONS SHALL BE 12" LED
2. ALL SIGNAL HEAD SHALL BE BLACK POLYCARBONATE WITH BACKGROUND SHIELDS
3. FYA DENOTES FLASHING YELLOW ARROW



# EXISTING Signal Plan

File Name: \\cityofcedar-rapids\publicworks\traffic\blairs\_ferry\_rd\_ne\_ave\_ne\_rapids\blairs\_ferry\_rd\_ne\_ave\_ne\_rapids.dgn  
 Date: 11/15/2023 10:58:11 AM

PREPARED BY:  
 CITY OF CEDAR RAPIDS, PUBLIC WORKS  
 500 15TH AVENUE SW, CEDAR RAPIDS, IA 52404  
 PHONE: 319-286-5802

XX No.	DESCRIPTION REVISION DESCRIPTION	XXX APPROVED	MM/DD/YYYY DATE



Date:  
 Drawn By:  
 Approved By:  
 CIP No:

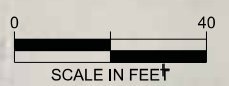
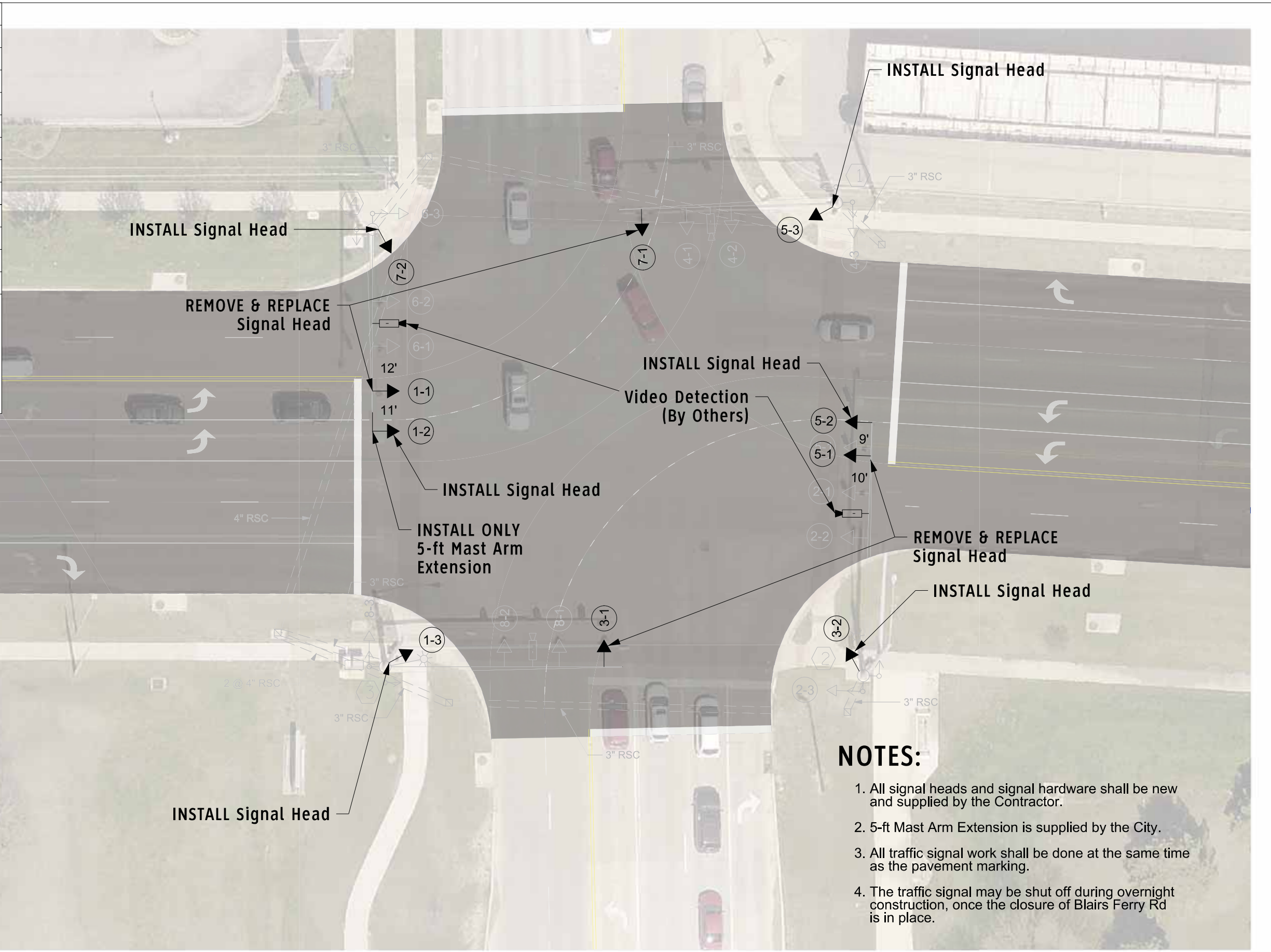
## BLAIRS FERRY RD NE & C AVE NE INTERSECTION IMPROVEMENTS

### TRAFFIC SIGNAL PLAN

SHEET No.  
**N1**  
**N3**

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1-1, 1-2, 1-3	←	←	←	←		
2-1, 2-2	●	●		●		
2-3	●	●		●	→	→
3-1, 3-2	←	←	←	←		
4-1, 4-2	●	●		●		
4-3	●	●		●	→	→
5-1, 5-2, 5-3	←	←	←	←		
6-1, 6-2	●	●		●		
6-3	●	●		●	→	→
7-1, 7-2	←	←	←	←		
8-1, 8-2	●	●		●		
8-3	●	●		●	→	→

1. ALL SIGNAL INDICATIONS SHALL BE 12" LED
2. ALL SIGNAL HEAD SHALL BE BLACK POLYCARBONATE WITH BACKGROUND SHIELDS
3. FYA DENOTES FLASHING YELLOW ARROW



# PROPOSED Signal Plan

## NOTES:

1. All signal heads and signal hardware shall be new and supplied by the Contractor.
2. 5-ft Mast Arm Extension is supplied by the City.
3. All traffic signal work shall be done at the same time as the pavement marking.
4. The traffic signal may be shut off during overnight construction, once the closure of Blairs Ferry Rd is in place.

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 Date: 11/15/2024 10:58:10 AM  
 User: jhansen

PREPARED BY:  
 CITY OF CEDAR RAPIDS, PUBLIC WORKS  
 500 15TH AVENUE SW, CEDAR RAPIDS, IA 52404  
 PHONE: 319-286-5802

XX No.	DESCRIPTION REVISION DESCRIPTION	XXX APPROVED	MM/DD/YYYY DATE



Date:  
 Drawn By:  
 Approved By:  
 CIP No:

### BLAIRS FERRY RD NE & C AVE NE INTERSECTION IMPROVEMENTS

### TRAFFIC SIGNAL PLAN

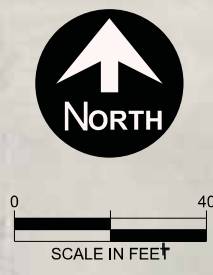
SHEET No.  
**N2**  
**N3**

FACE	R	Y	FYA	G	Y	G
1-1, 1-2, 1-3	←	←	←	←		
2-1, 2-2	●	●		●		
2-3	●	●		●	→	→
3-1, 3-2	←	←	←	←		
4-1, 4-2	●	●		●		
4-3	●	●		●	→	→
5-1, 5-2, 5-3	←	←	←	←		
6-1, 6-2	●	●		●		
6-3	●	●		●	→	→
7-1, 7-2	←	←	←	←		
8-1, 8-2	●	●		●		
8-3	●	●		●	→	→

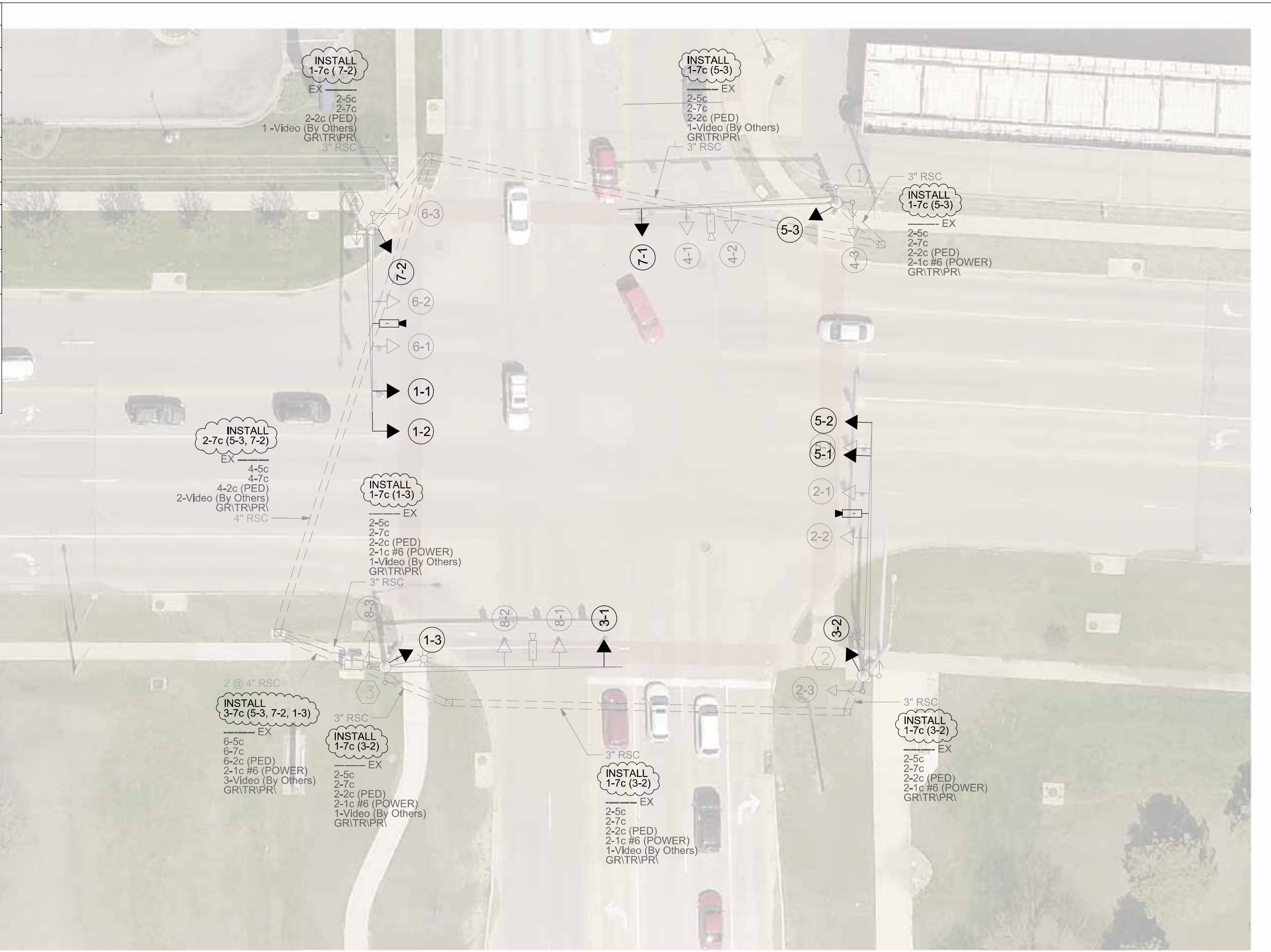
1. ALL SIGNAL INDICATIONS SHALL BE 12" LED
2. ALL SIGNAL HEAD SHALL BE BLACK POLYCARBONATE WITH BACKGROUND SHIELDS
3. FYA DENOTES FLASHING YELLOW ARROW

### NOTES:

1. All new signal cable installed shall be #14 gauge.
2. New signal cable installed from the pole base to new signal heads shall be incidental.
3. Use existing 7c cable for new 4-section left turn signal heads mounted on mast arms



## PROPOSED Signal Wiring



P:\Data\...  
 File Name: \\cityofcedar-rapids\publicworks\traffic\locations\blairs\_ferry\_rd\_ne\_&\_c\_ave\_ne\blairs\_ferry\_rd\_ne\_n\_border.dgn

PREPARED BY:  
 CITY OF CEDAR RAPIDS, PUBLIC WORKS  
 500 15TH AVENUE SW, CEDAR RAPIDS, IA 52404  
 PHONE: 319-286-5802

XX No.	DESCRIPTION REVISION DESCRIPTION	XXX APPROVED	MM/DD/YYYY DATE

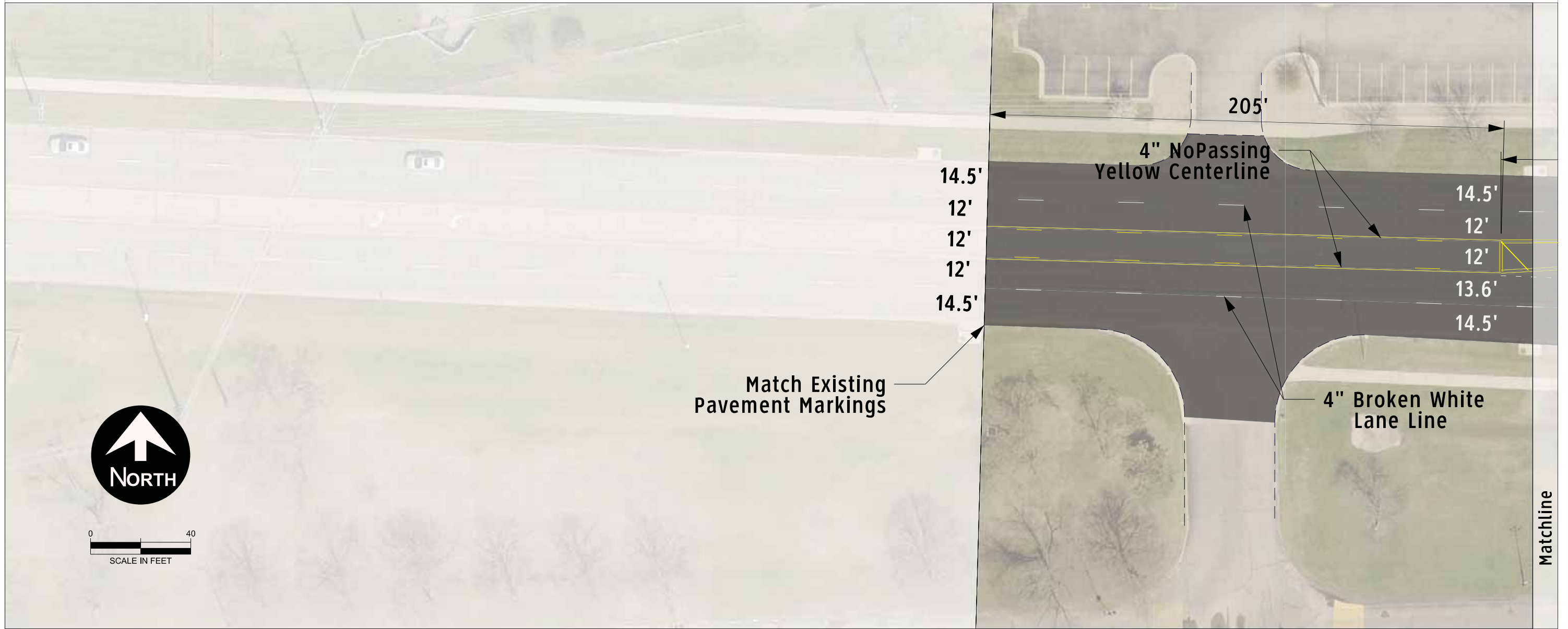


Date:  
 Drawn By:  
 Approved By:  
 CIP No:

### BLAIRS FERRY RD NE & C AVE NE INTERSECTION IMPROVEMENTS

### TRAFFIC SIGNAL PLAN

SHEET No.  
**N3**  
**N3**



**NOTES:**

1. Dimensions shown are approximate and based off of the aerial image. The measurement shown is between center of the pavement markings and/or the back of curb.
2. Any changes to the pavement marking layout shall be approved by the Engineer.

P:\Data\...  
 File Name: \\cityofcedarapids\publicworks\blairs\_ferry\_rd\_ne & c\_ave\_ne\cadd\blairs\_ferry\_rd\_ne & c\_ave\_ne\blairs\_ferry\_rd\_ne & c\_ave\_ne\_bond\cadd\blairs\_ferry\_rd\_ne & c\_ave\_ne\_bond.dgn

PREPARED BY:  
 CITY OF CEDAR RAPIDS, PUBLIC WORKS  
 500 15TH AVENUE SW, CEDAR RAPIDS, IA 52404  
 PHONE: 319-286-5802

		10-18-2017	
		RGG	
		Approved By:	
XX	DESCRIPTION	XXX	MM/DD/YYYY
No.	REVISION DESCRIPTION	CIP#	DATE



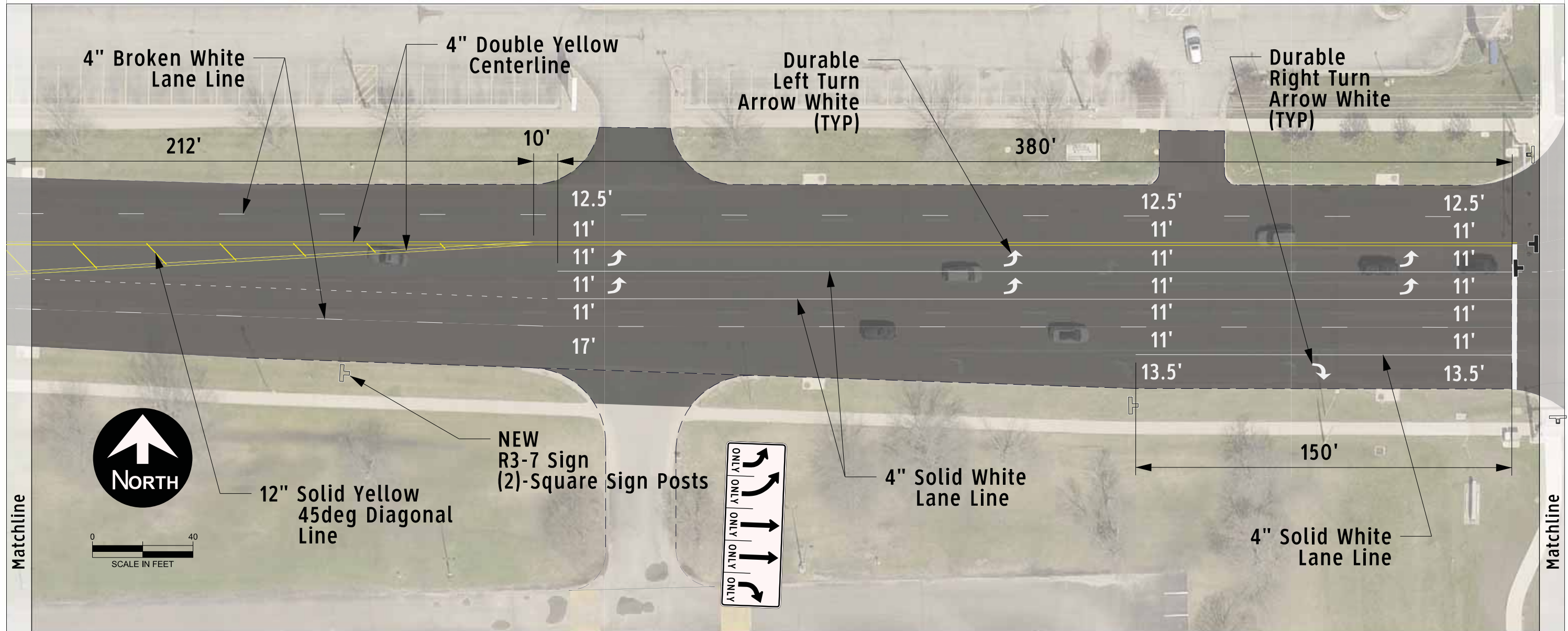
Date:  
 Drawn By:  
 Approved By:  
 CIP No:

**BLAIRS FERRY RD NE  
 & C AVE NE  
 INTERSECTION IMPROVEMENTS**

**PAVEMENT MARKING  
 AND SIGNAGE  
 PLAN**

SHEET No.  
**P1**  
**P7**





**NOTES:**

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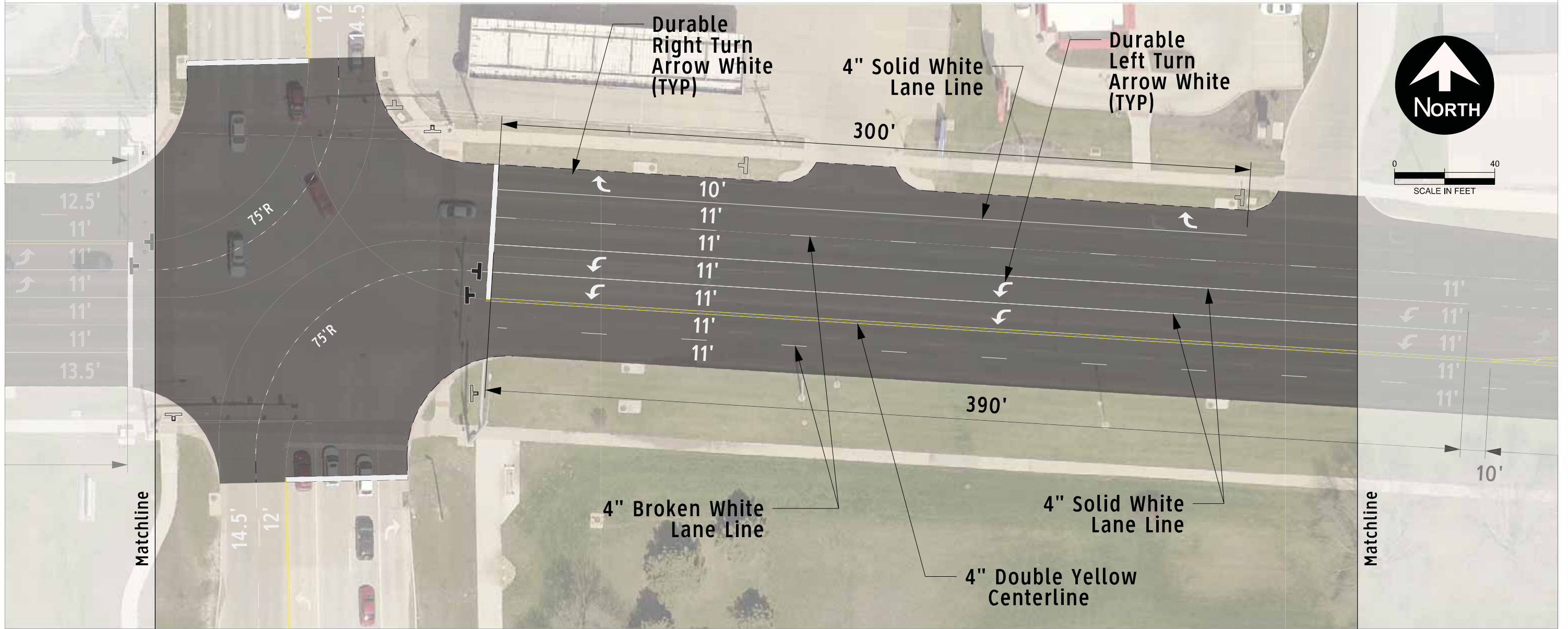


Date:  
 Drawn By:  
 Approved By:  
 CIP No:

**BLAIRS FERRY RD NE  
 & C AVE NE  
 INTERSECTION IMPROVEMENTS**

**PAVEMENT MARKING  
 AND SIGNAGE  
 PLAN**

SHEET No.  
**P2**  
**P7**



**NOTES:**

1. Dimensions shown are approximate and based off of the aerial image. The measurement shown is between center of the pavement markings and/or the back of curb.
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XX No.	DESCRIPTION REVISION DESCRIPTION	XXX APPROVED	MM/DD/YYYY DATE

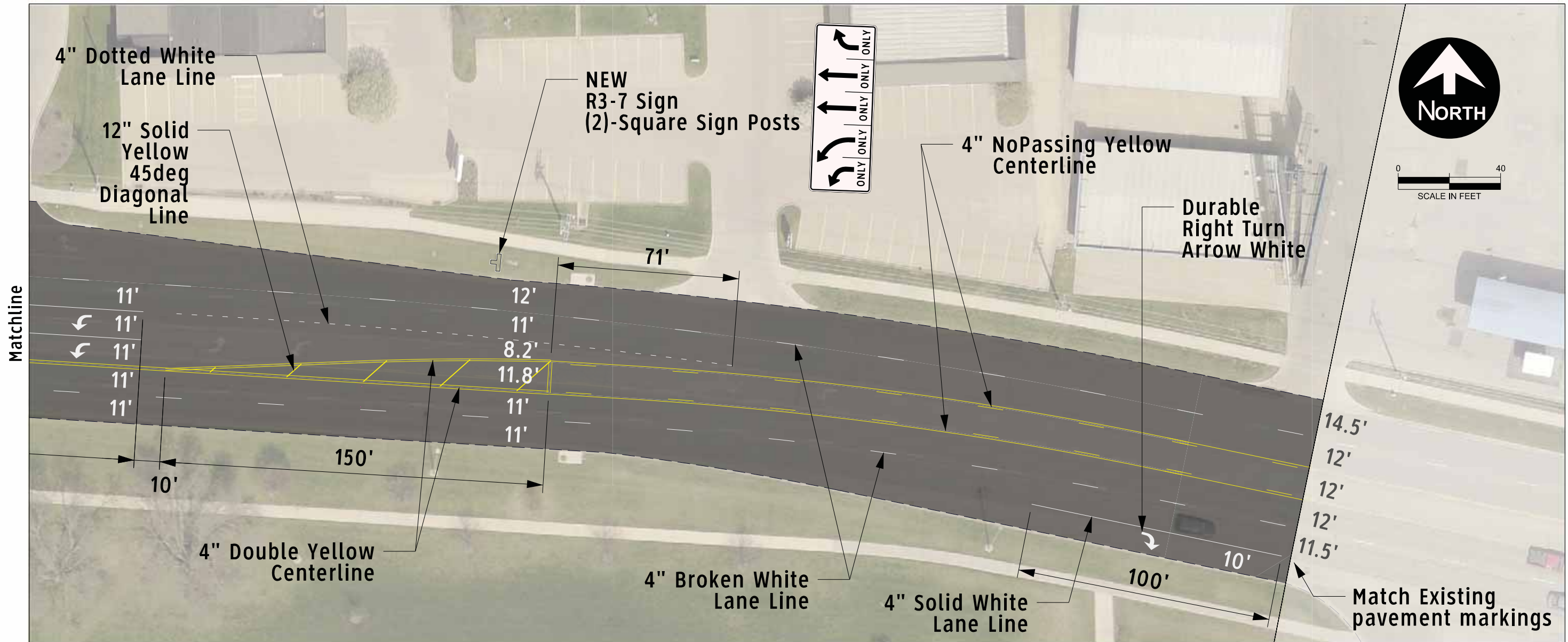


Date:  
 Drawn By:  
 Approved By:  
 CIP No:

**BLAIRS FERRY RD NE  
 & C AVE NE  
 INTERSECTION IMPROVEMENTS**

**PAVEMENT MARKING  
 AND SIGNAGE  
 PLAN**

SHEET No.  
**P3**  
**P7**



**NOTES:**

1. Dimensions shown are approximate and based off of the aerial image. The measurement shown is between center of the pavement markings and/or the back of curb.
2. Any changes to the pavement marking layout shall be approved by the Engineer.

File Name: \\cityofcedar-rapids\publicworks\blairs\_ferry\_rd\_ne\_ave\_ne\_bond\blairs\_ferry\_rd\_ne\_ave\_ne\_bond.dgn  
 Date: 11/14/2023 10:58:00 AM  
 User: jrbond

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XX No.	DESCRIPTION REVISION DESCRIPTION	XXX APPROVED	MM/DD/YYYY DATE

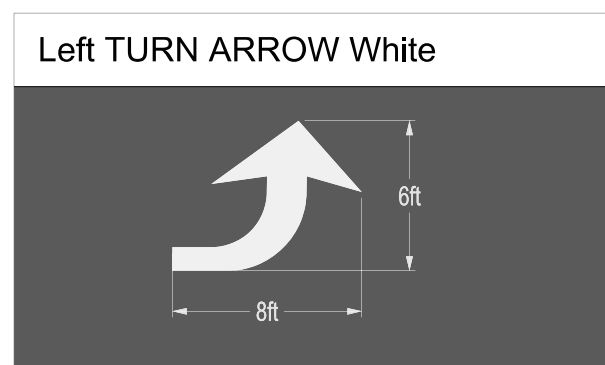
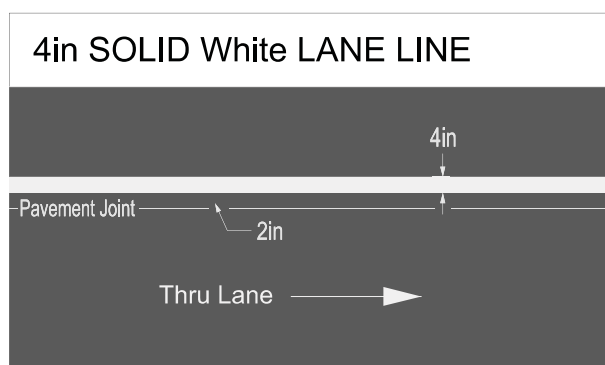
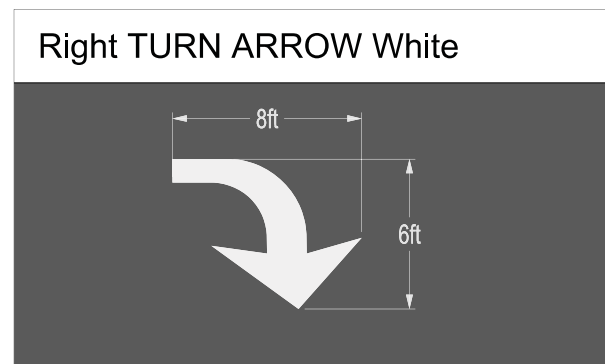
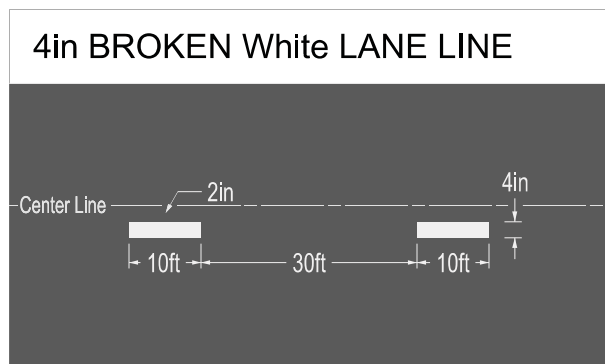
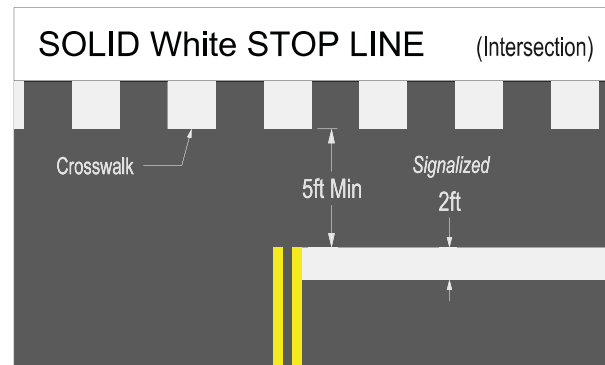
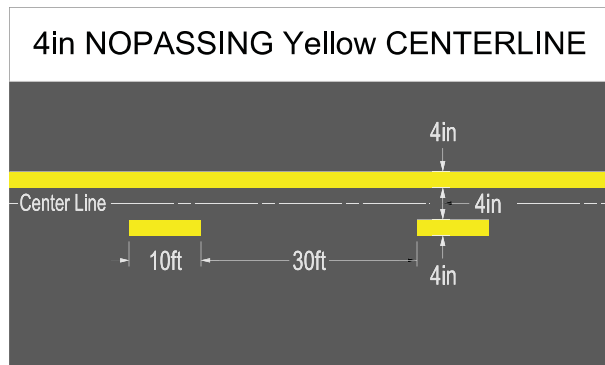
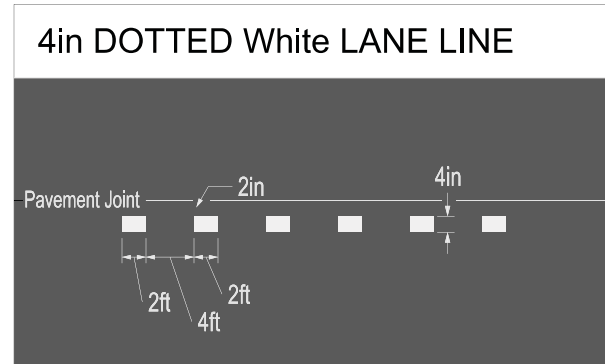
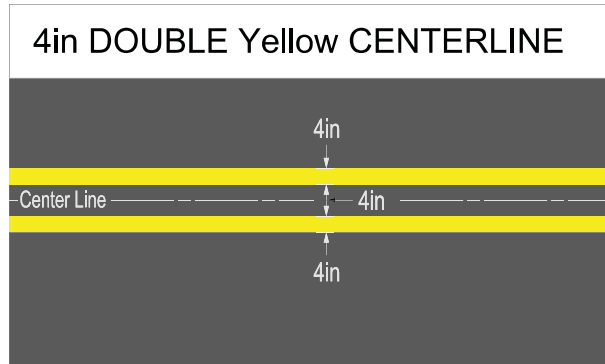


Date:  
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**BLAIRS FERRY RD NE  
 & C AVE NE  
 INTERSECTION IMPROVEMENTS**

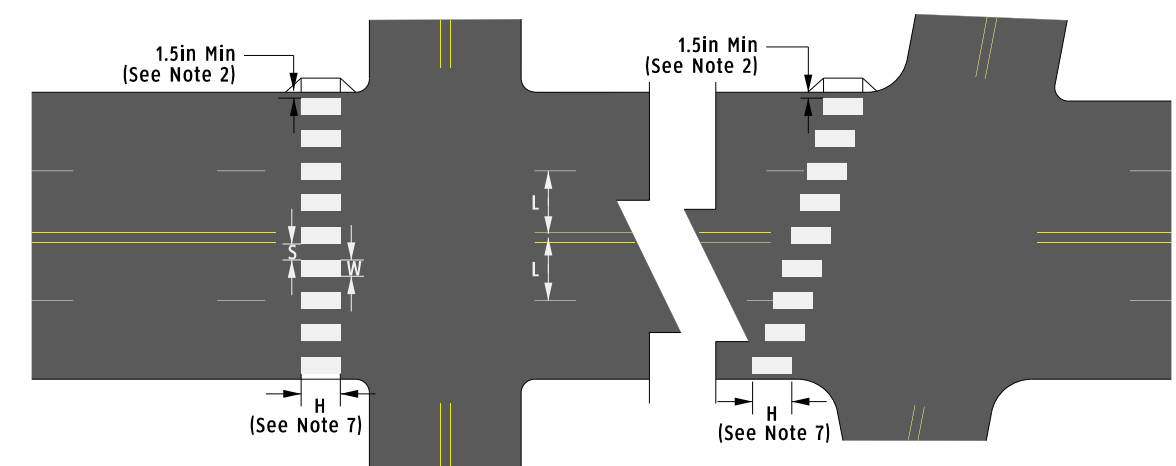
**PAVEMENT MARKING  
 AND SIGNAGE  
 PLAN**

SHEET No.  
**P4**  
**P7**



## PEDESTRIAN CROSSWALK MARKINGS

(L) Width of Inside Lane	(W) Width of Painted Area	(S) Width of Space	ALTERNATE (W) Width of Painted Area	ALTERNATE (S) Width of Space
9'	2.0'	2.5'	—	—
10'	2.5'	2.5'	2.0'	3.0'
11'	2.5'	3.0'	2.0'	3.5'
12'	3.0'	3.0'	2.5'	3.5'
13'	3.0'	3.5'	—	—



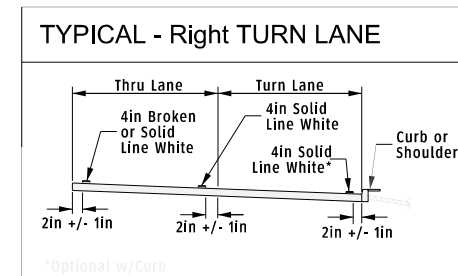
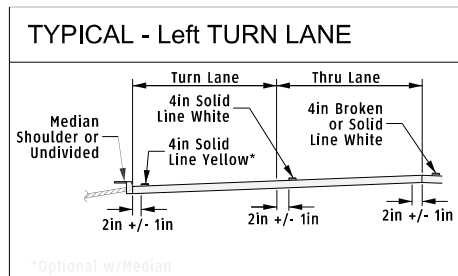
### NOTES:

1. Painted areas to be centered on centerline and lane lines.
2. A minimum of 1.5ft clear distance shall be left adjacent to the curb face. If last painted area falls into this distance it must be omitted.
3. On two lane two way streets, use spacing shown for an 11ft inside lane.
4. For divided roadways, adjustments in spacing of the blocks should be made in the median so that the blocks are maintained in their proper location across the traveled portion of the roadway.
5. At skewed crosswalks, the blocks are to remain parallel to the lane lines as shown.
6. The blocks shall be placed so that they are not located in the wheel path of the vehicles.
7. The blocks shall be minimum of 6ft long and at least as long as the truncated domes, for fanned truncated domes the blocks shall be at least as long as the approaching sidewalk or shared use path.
8. The alternate (W) and (S) may be used when blocks longer than 6(H) are used.

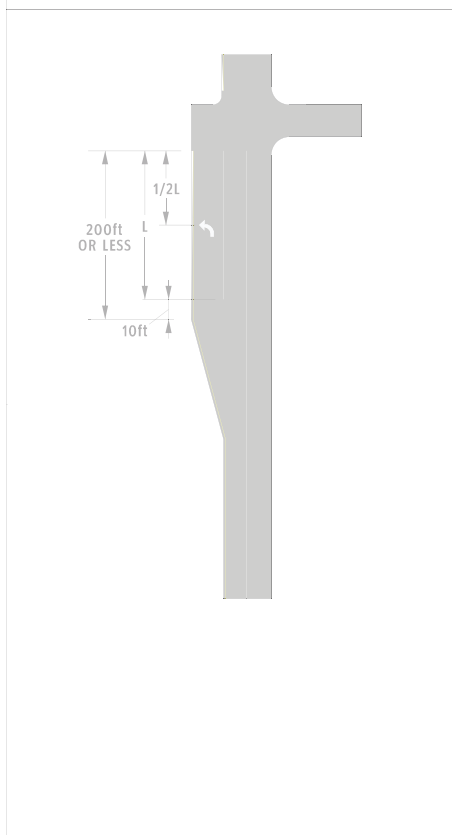
## PAVEMENT MARKING STANDARD DETAILS

Not to Scale

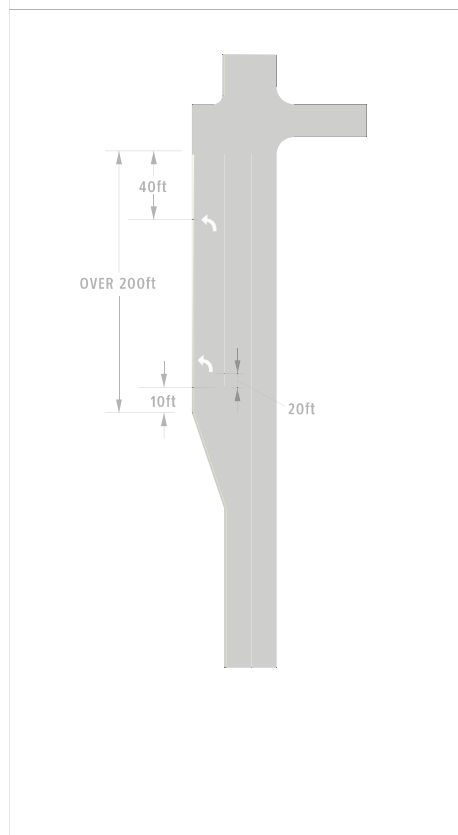
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 PDM Date: 11/11/2014 10:58:03 AM  
 User: jerry@cedar-rapids.org



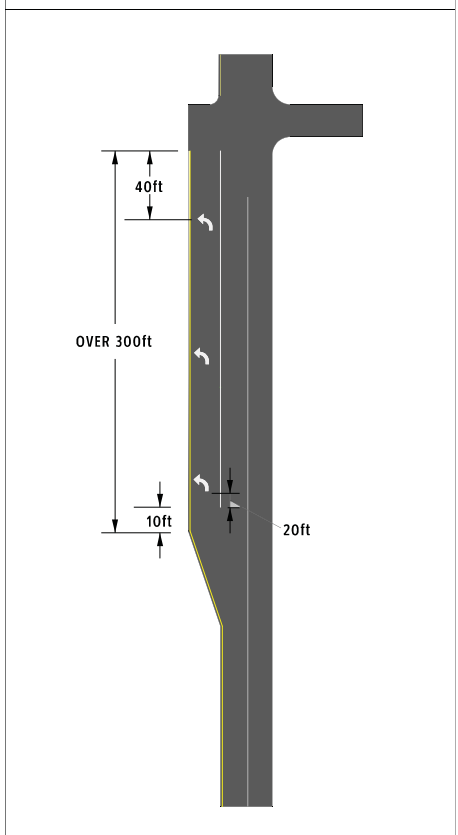
PLAN - Left TURN LANE (<= 200ft)



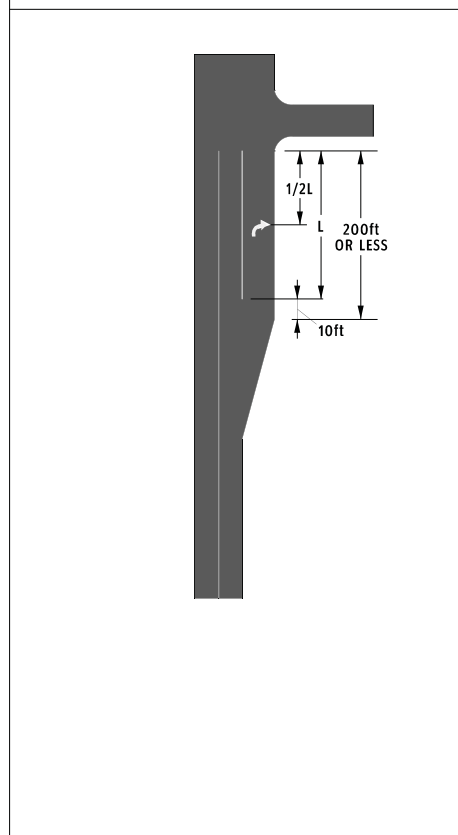
PLAN - Left TURN LANE (>200ft)



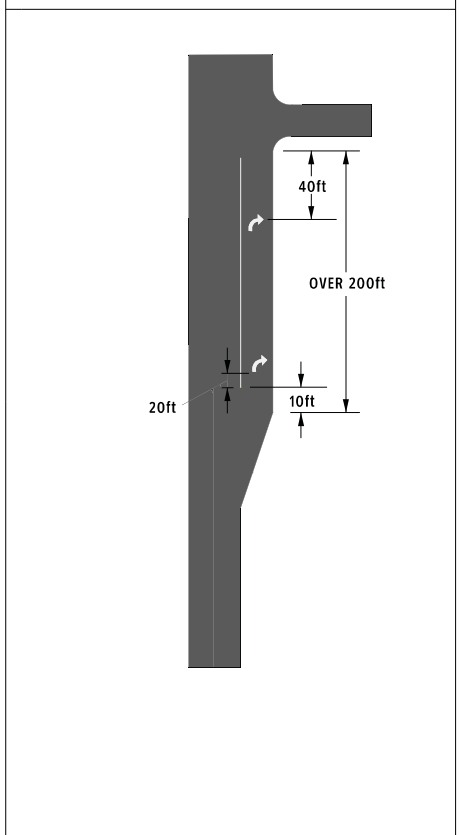
PLAN - Left TURN LANE (>=300ft)



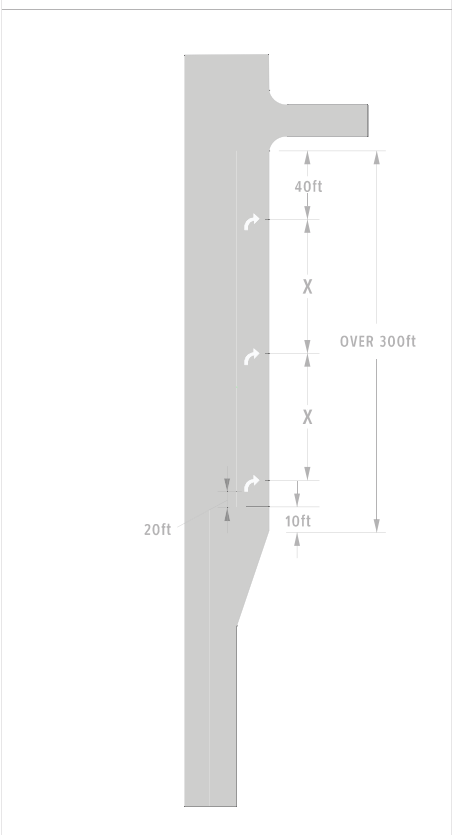
PLAN - Right TURN LANE (<= 200ft)



PLAN - Right TURN LANE (>200ft)



PLAN - Right TURN LANE (>=300)



**PAVEMENT MARKING STANDARD DETAILS**  
Not to Scale

File Name: \\cityofcedar-rapids\publicworks\blairs\_ferry\_rd\_ne\_500\_15th\_ave\_ne\blairs\_ferry\_rd\_ne\_500\_15th\_ave\_ne\_bond\blairs\_ferry\_rd\_ne\_500\_15th\_ave\_ne\_bond.dgn  
 Date: 11/11/2014 10:58:00 AM  
 User: jason

PREPARED BY:  
 CITY OF CEDAR RAPIDS, PUBLIC WORKS  
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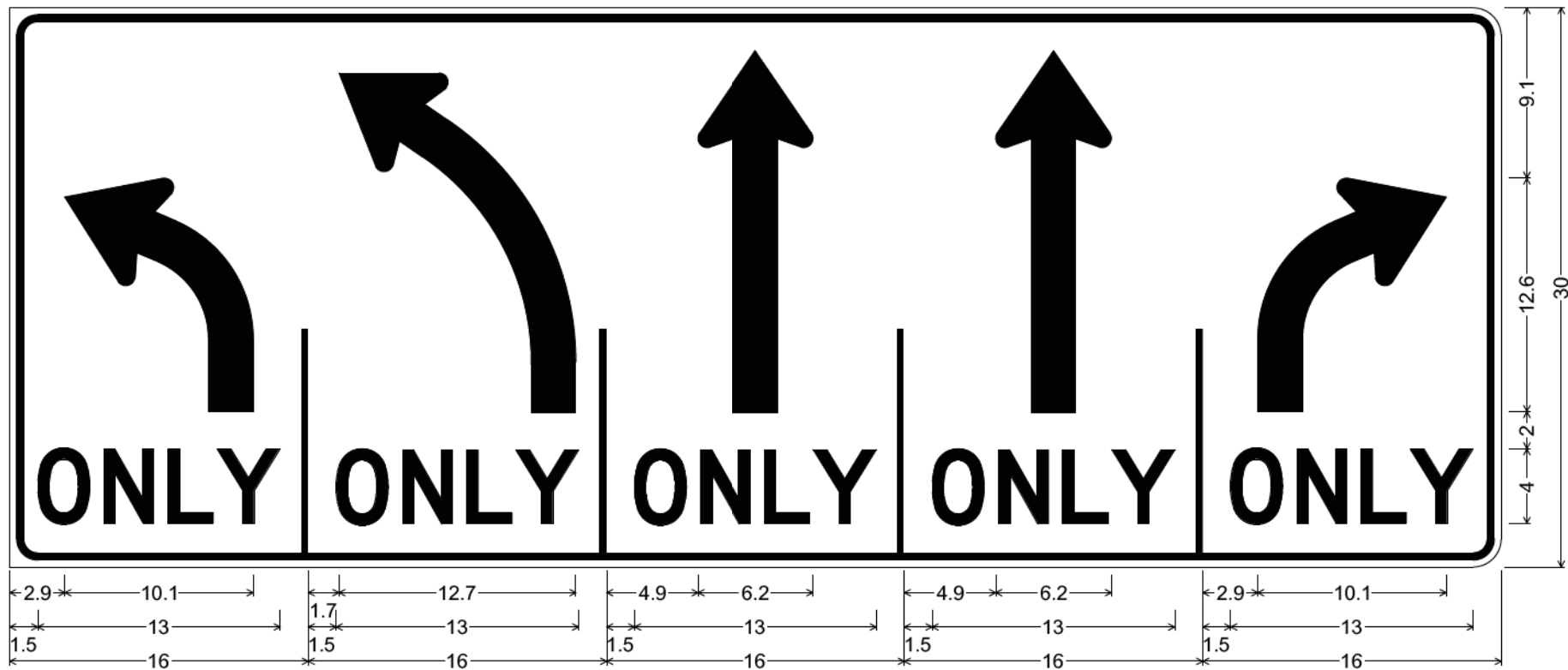


Date:  
 Drawn By:  
 Approved By:  
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**BLAIRS FERRY RD NE  
 & C AVE NE  
 INTERSECTION IMPROVEMENTS**

**PAVEMENT MARKING  
 AND SIGNAGE  
 PLAN**

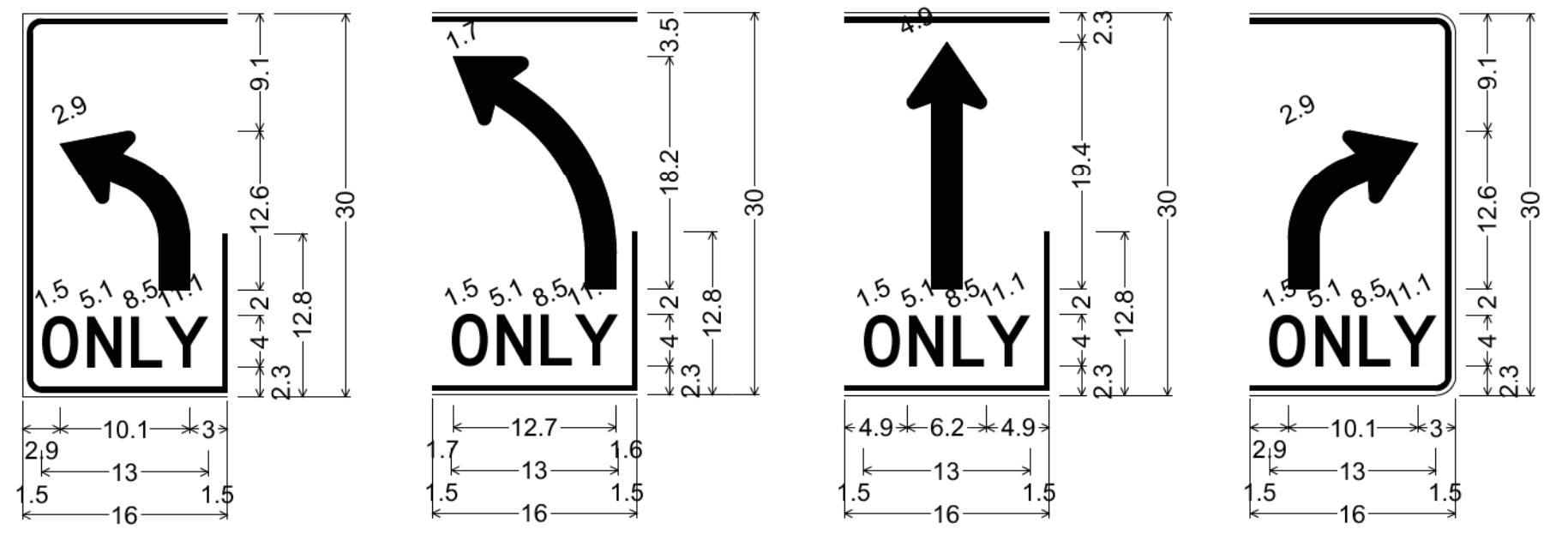
SHEET No.  
**P6**  
**P7**



**NOTES:**

1. Any changes shall be approved by the Engineer.
2. Additional sign details:
  - 1.5" Radius
  - 0.4" Border
  - 0.4" Indent
  - LaneMarker height 12.0
  - LaneMarker width 0.4
3. Contractor to determine hole spacing for sign mounting.

R3-8



**SIGNAGE STANDARD DETAILS**  
Not to Scale

P:\Data\...  
 File Name: \\cityofcedar-rapids\publicworks\blairs\_ferry\_rd\_ne\_500\_15th\_ave\_ne\_bonding\blairs\_ferry\_rd\_ne\_500\_15th\_ave\_ne\_bonding.dgn

PREPARED BY: CITY OF CEDAR RAPIDS, PUBLIC WORKS 500 15TH AVENUE SW, CEDAR RAPIDS, IA 52404 PHONE: 319-286-5802					Date: Drawn By: Approved By: CIP No:	<b>BLAIRS FERRY RD NE &amp; C AVE NE INTERSECTION IMPROVEMENTS</b>	<b>PAVEMENT MARKING AND SIGNAGE PLAN</b>	SHEET No. <b>P7</b>
	XX No.	DESCRIPTION REVISION DESCRIPTION	XXX APPROVED		MM/DD/YYYY DATE			<b>P7</b>