1

Welcome

I-74/Mississippi River

Illinois Department of Transportation

IOWA DOT
SMARTER | SIMPLER | CUSTOMER DRIVEN

1

Station 2
Corridor Construction
Phasing & Staging

Station 3
Moline

Station 4
Bettendorf

Station 5
Central Section
Construction
Staging &
Schedule

Station 6
Costs

Station 7
Aesthetics

Project Display

1
Welcome/Entrance

You Are Here

I-74/Mississippi River

www.iowadot.gov/i74corridor/

Illinois Department of Transportation

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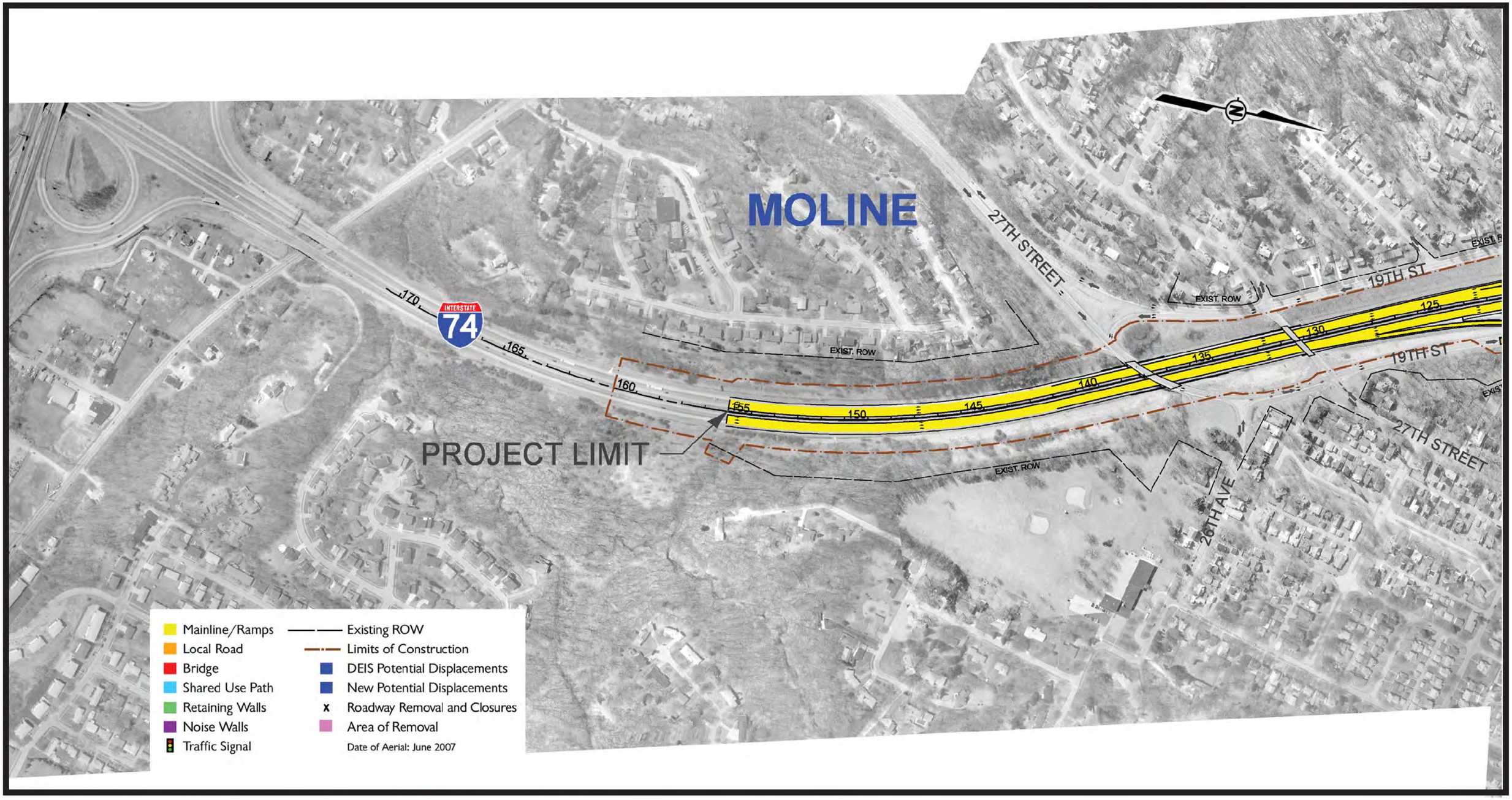
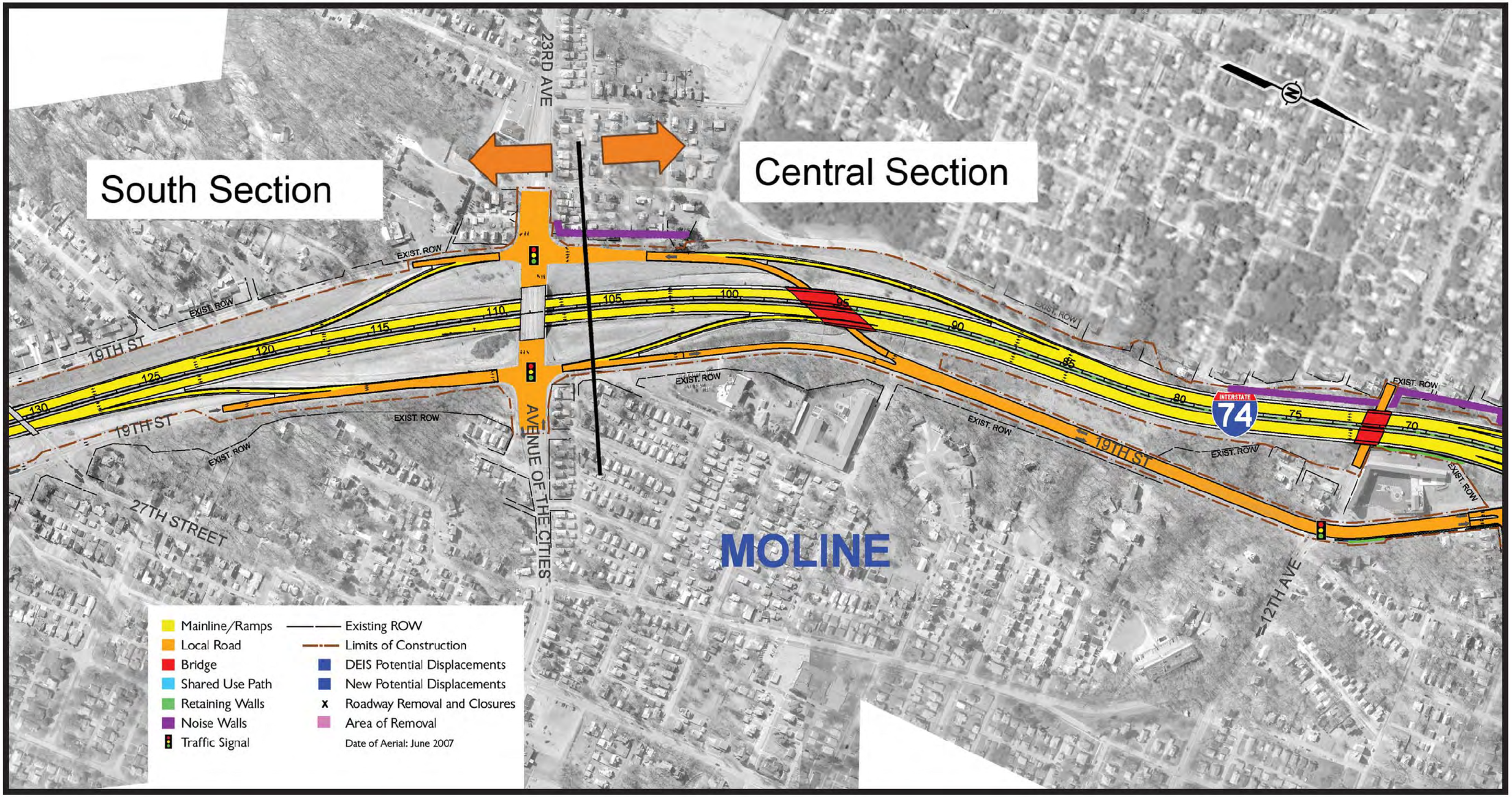

MOLINE
27TH STREET
19TH ST
19TH ST
EXIST. ROW
EXIST. ROW
EXIST. ROW
INTERSTATE
74
170
165
160
155
150
145
140
135
130
125
PROJECT LIMIT
26TH AVE
27TH STREET
N
Mainline/Ramps
Local Road
Bridge
Shared Use Path
Retaining Walls
Noise Walls
Traffic Signal
Existing ROW
Limits of Construction
DEIS Potential Displacements
New Potential Displacements
Roadway Removal and Closures
Area of Removal
Date of Aerial: June 2007


South Section
Central Section
23RD AVE
AVENUE OF THE CITIES
19TH ST
19TH ST
19TH ST
27TH STREET
12TH AVE
MOLINE
EXIST. ROW
INTERSTATE
74
130
125
120
115
110
105
100
95
90
85
80
75
70
Mainline/Ramps
Local Road
Bridge
Shared Use Path
Retaining Walls
Noise Walls
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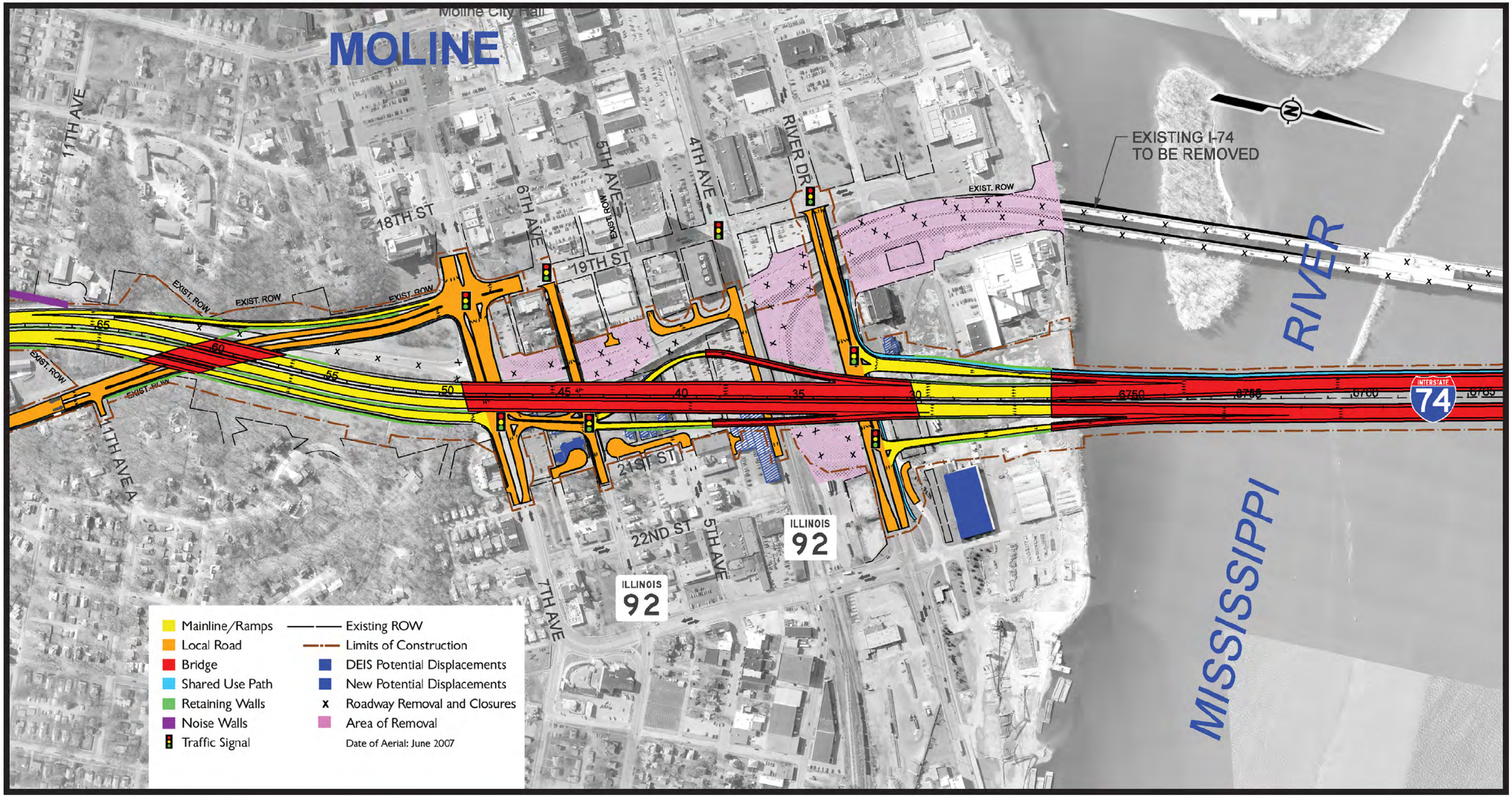
MOLINE
Moline City Hall
11TH AVE
18TH ST
6TH AVE
5TH AVE
EXIST. ROW
4TH AVE
RIVER DR
19TH ST
EXIST. ROW
EXISTING I-74
TO BE REMOVED
RIVER
MISSISSIPPI
65
60
55
50
45
40
35
30
6750
6755
6760
6765
INTERSTATE
74
EXIST. ROW
EXIST. ROW
11TH AVE A
21ST ST
22ND ST
5TH AVE
ILLINOIS
92
ILLINOIS
92
7TH AVE
Mainline/Ramps
Local Road
Bridge
Shared Use Path
Retaining Walls
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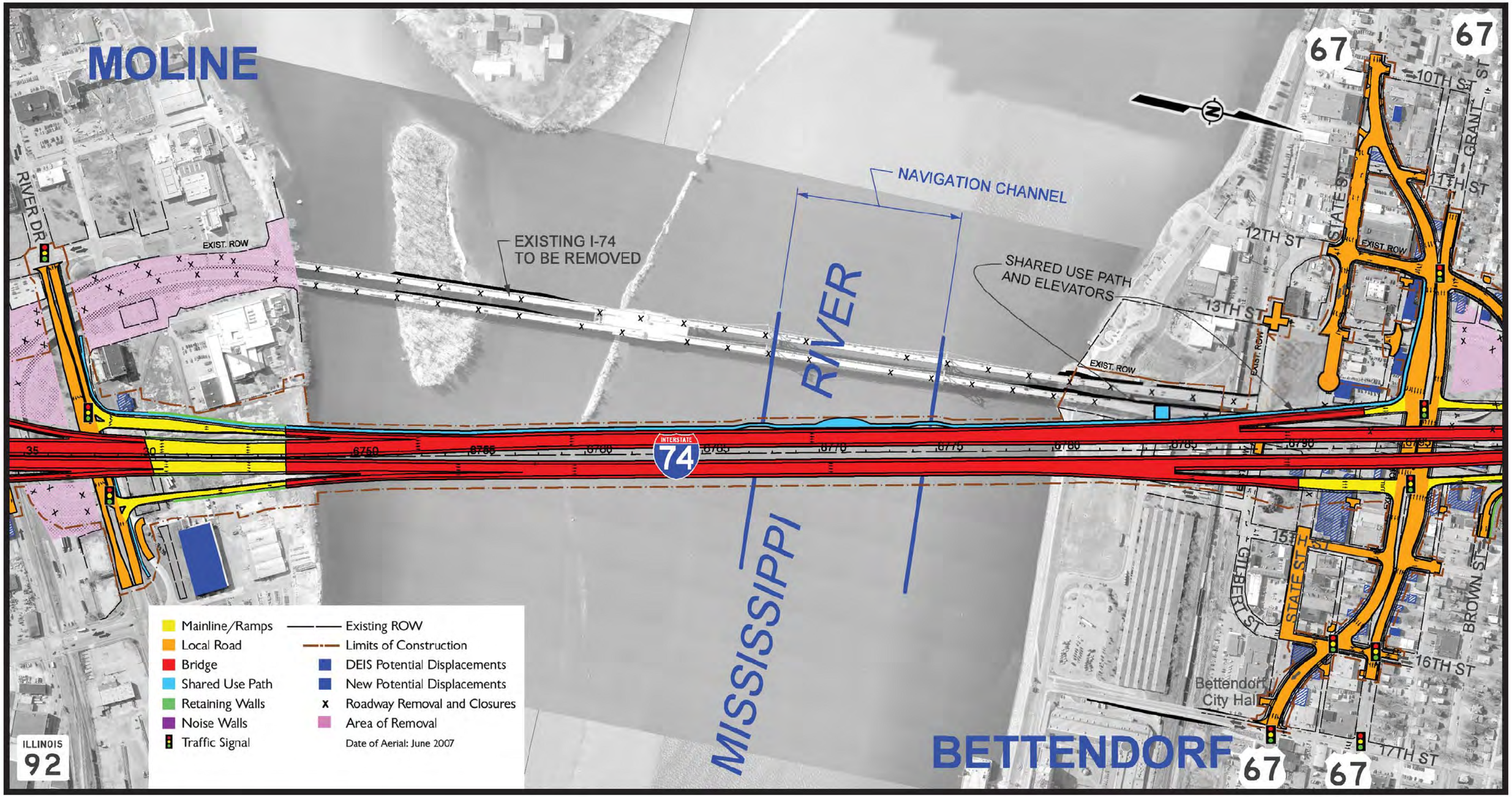
MOLINE
BETTENDORF
MISSISSIPPI RIVER
NAVIGATION CHANNEL
EXISTING I-74
TO BE REMOVED
SHARED USE PATH
AND ELEVATORS
RIVER DR
EXIST. ROW
12TH ST
13TH ST
10TH ST
11TH ST
GRANT ST
STATE ST
15TH ST
16TH ST
17TH ST
GILBERT ST
BROWN ST
Bettendorf City Hall
INTERSTATE 74
67
ILLINOIS 92
Mainline/Ramps
Local Road
Bridge
Shared Use Path
Retaining Walls
Noise Walls
Traffic Signal
Existing ROW
Limits of Construction
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New Potential Displacements
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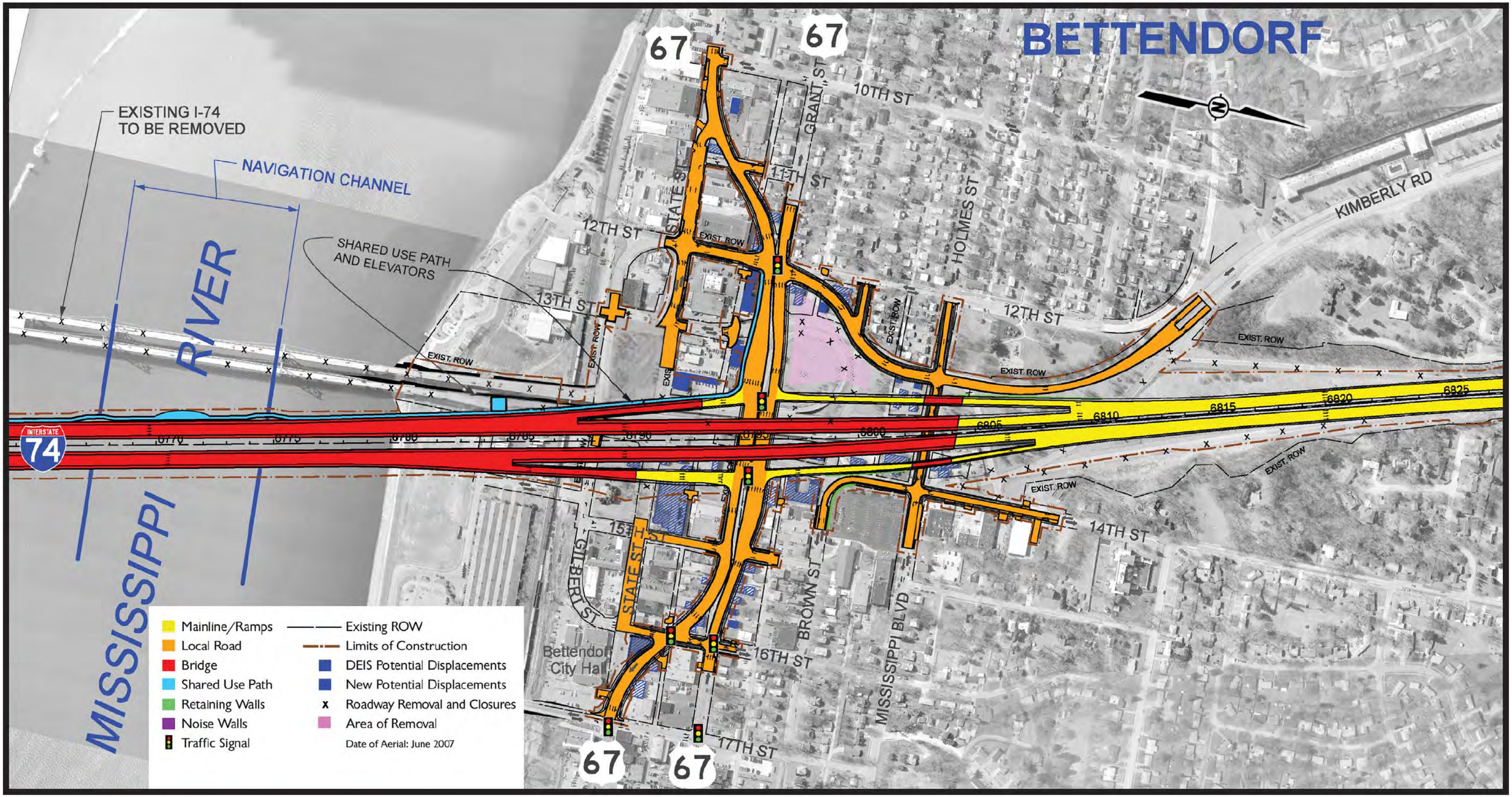
BETTENDORF
EXISTING I-74
TO BE REMOVED
NAVIGATION CHANNEL
SHARED USE PATH
AND ELEVATORS
MISSISSIPPI RIVER
67
67
10TH ST
GRANT ST
11TH ST
12TH ST
STATE ST
HOLMES ST
KIMBERLY RD
EXIST. ROW
13TH ST
INTERSTATE 74
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6805
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6815
6820
6825
15TH ST
GILBERT ST
STATE ST
BROWN ST
MISSISSIPPI BLVD
14TH ST
16TH ST
17TH ST
Bettendorf City Hall
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67
Mainline/Ramps
Local Road
Bridge
Shared Use Path
Retaining Walls
Noise Walls
Traffic Signal
Existing ROW
Limits of Construction
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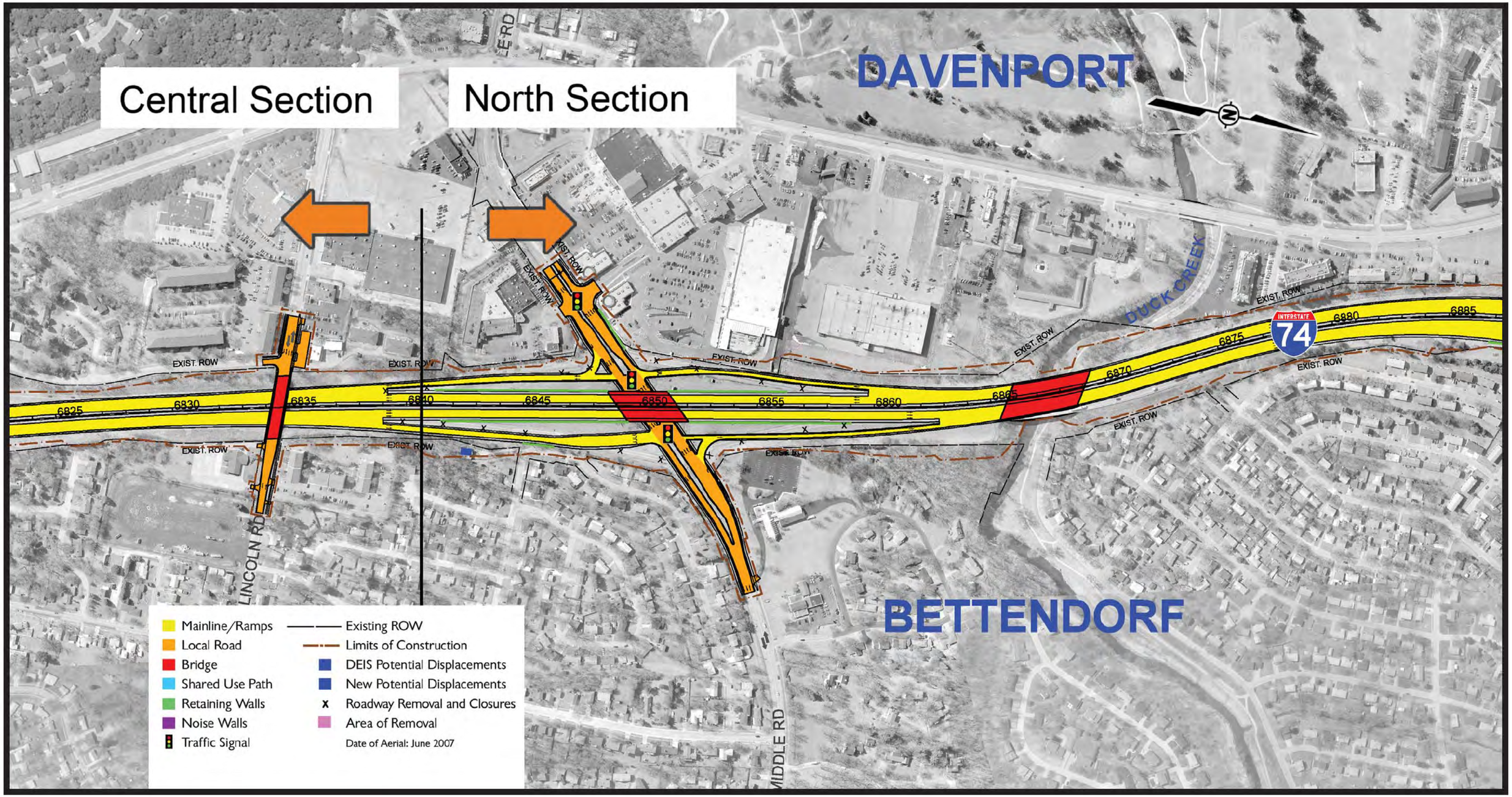
Central Section
North Section
DAVENPORT
BETTENDORF
DUCK CREEK
INTERSTATE 74
EXIST. ROW
6825
6830
6835
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6845
6850
6855
6860
6865
6870
6875
6880
6885
LINCOLN RD
MIDDLE RD
Mainline/Ramps
Local Road
Bridge
Shared Use Path
Retaining Walls
Noise Walls
Traffic Signal
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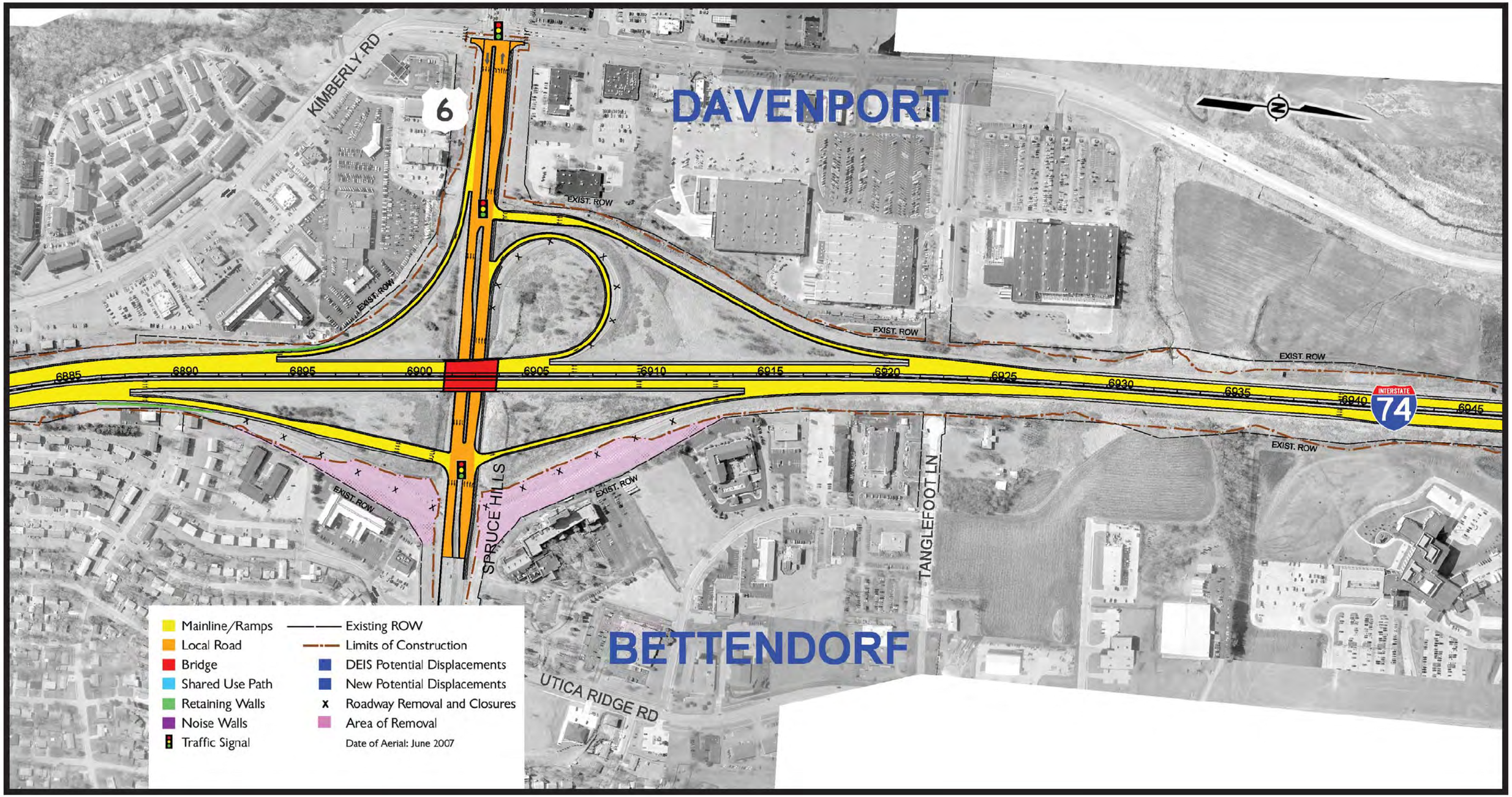
DAVENPORT
BETTENDORF
KIMBERLY RD
6
EXIST. ROW
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INTERSTATE
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SPRUCE HILLS
TANGLEFOOT LN
UTICA RIDGE RD
Mainline/Ramps
Local Road
Bridge
Shared Use Path
Retaining Walls
Noise Walls
Traffic Signal
Existing ROW
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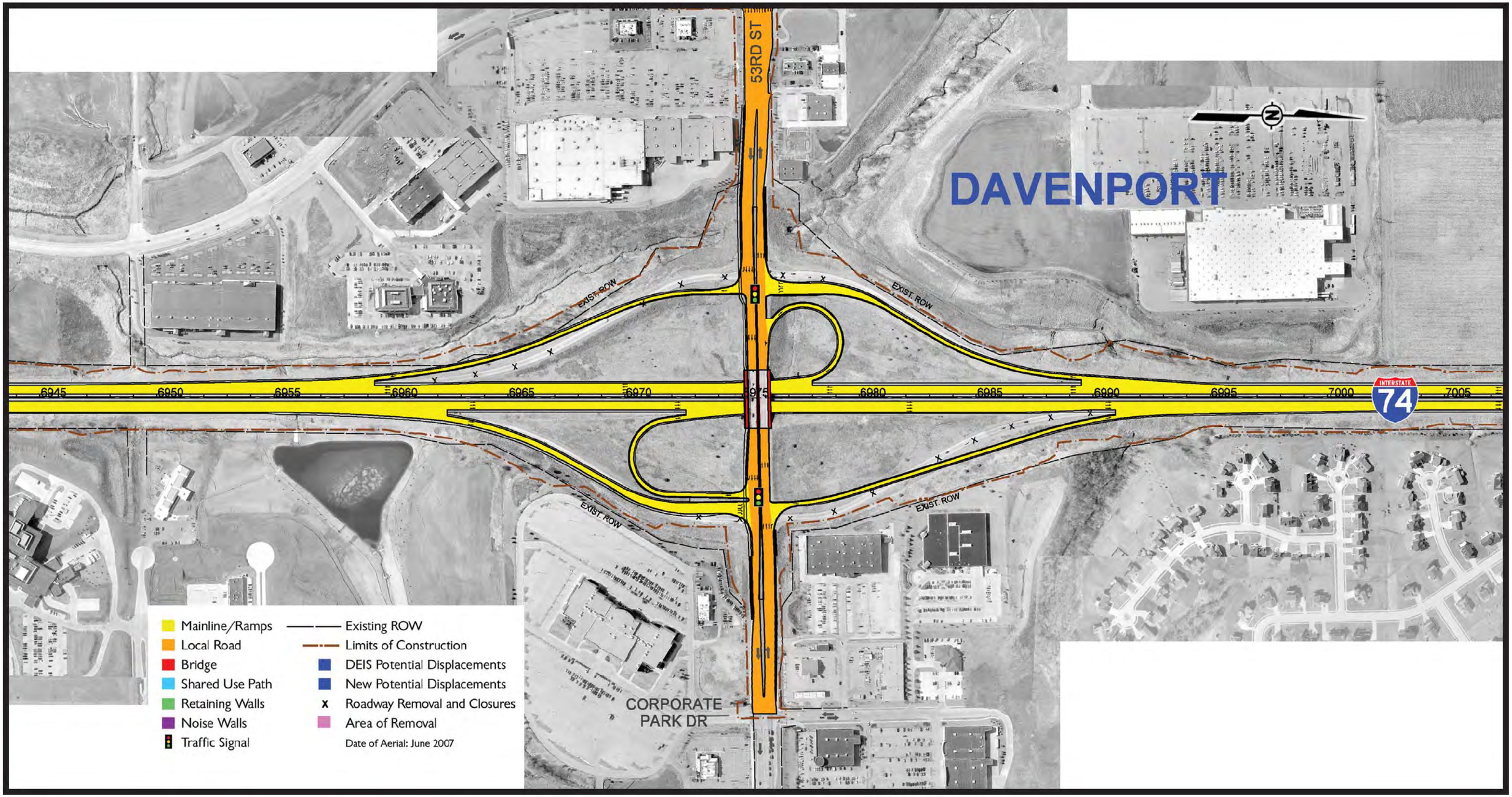
53RD ST
DAVENPORT
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EXIST. ROW
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7005
INTERSTATE
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CORPORATE
PARK DR
Mainline/Ramps
Local Road
Bridge
Shared Use Path
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Noise Walls
Traffic Signal
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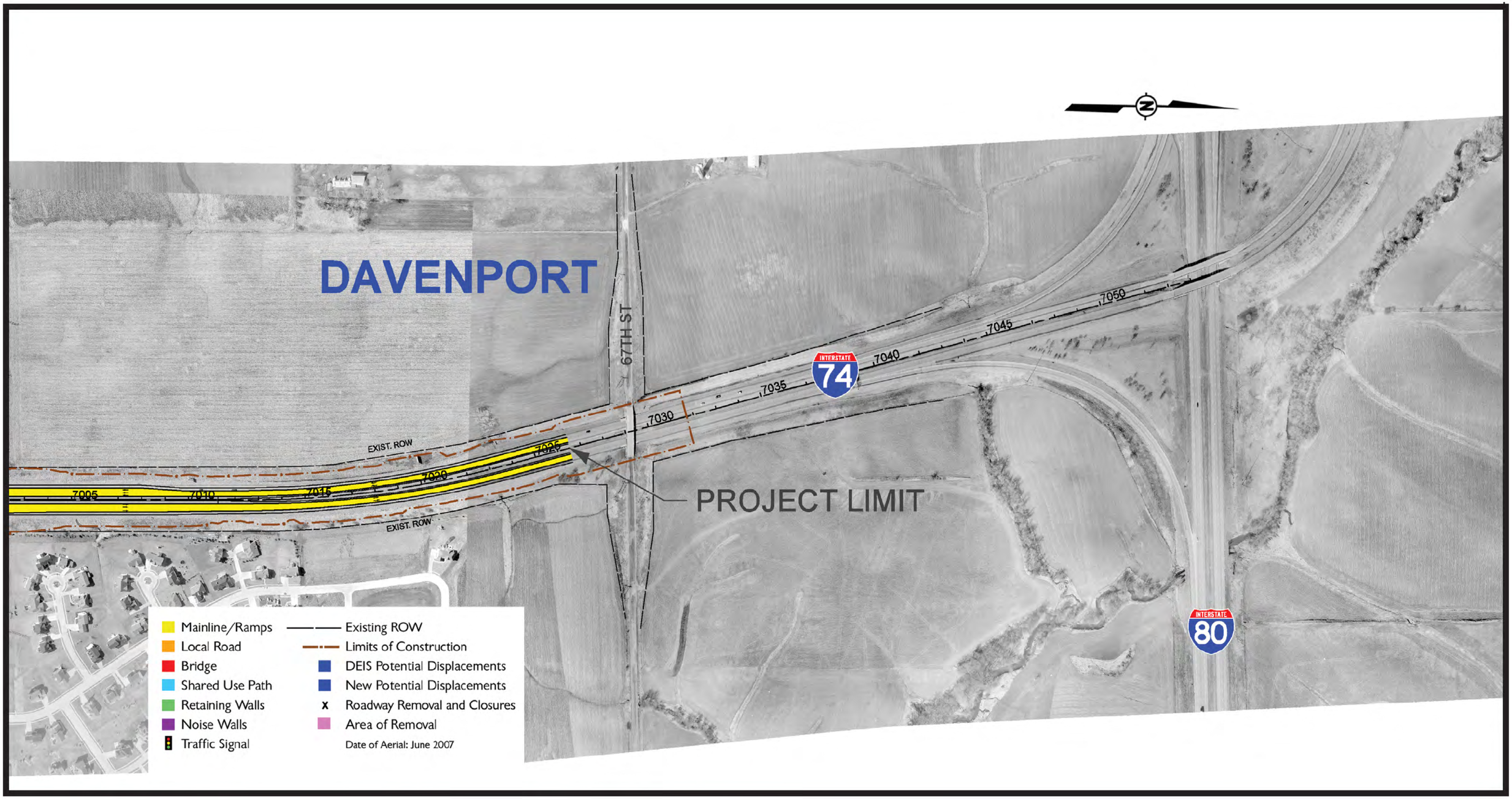
DAVENPORT
67TH ST
INTERSTATE 74
INTERSTATE 80
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EXIST. ROW
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2

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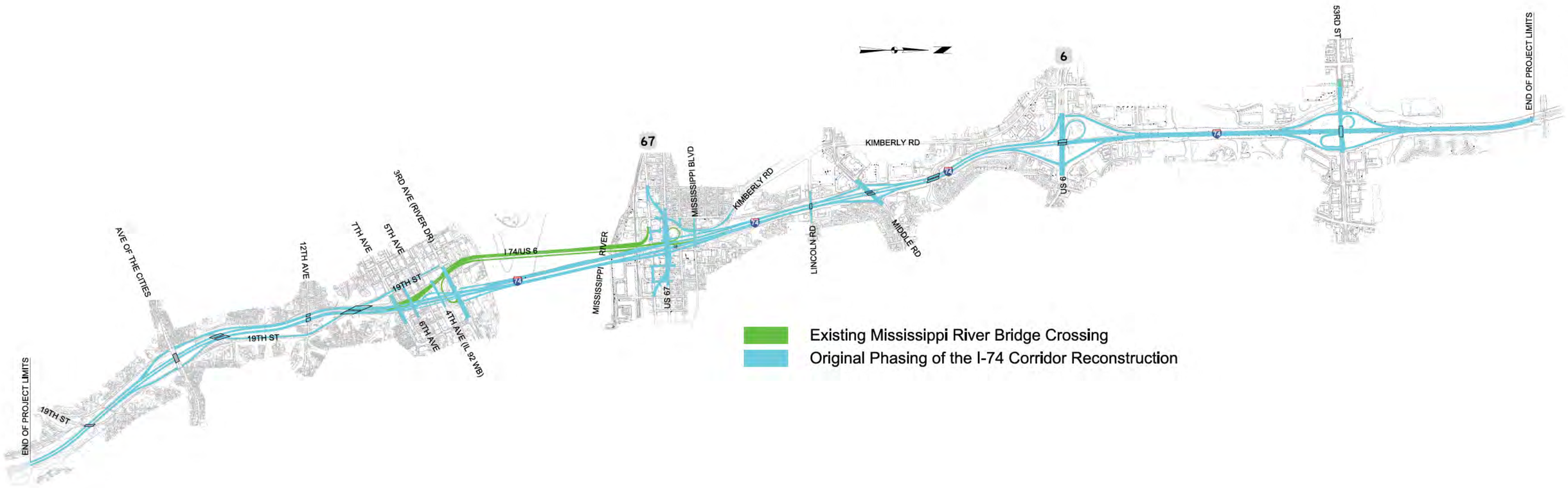
2

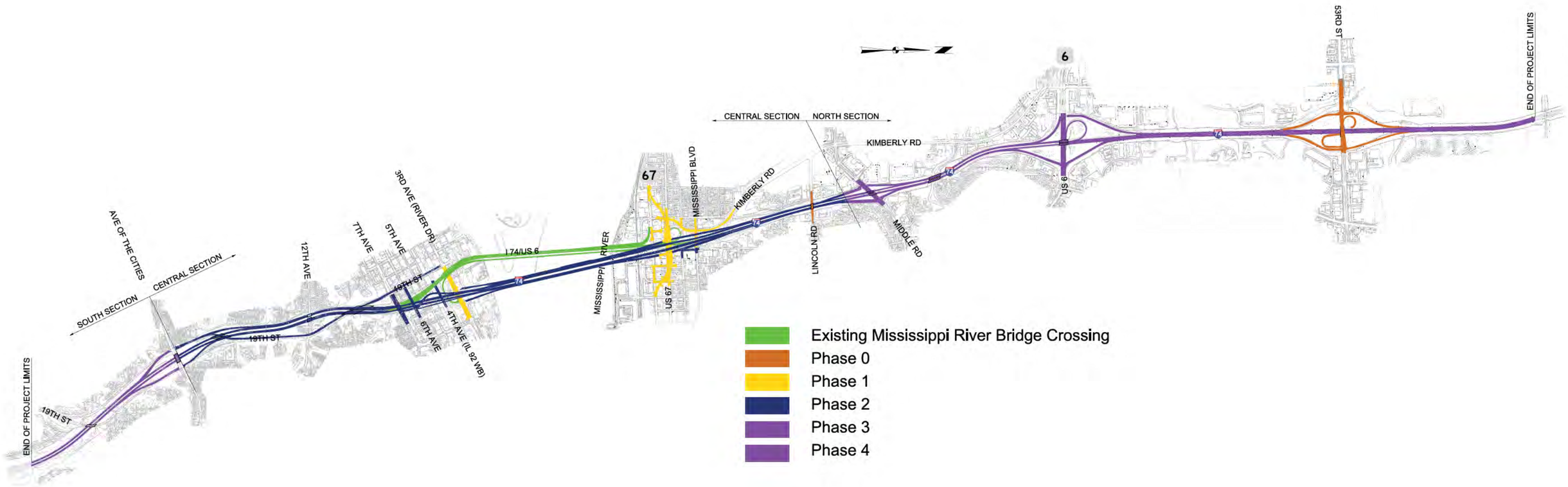
ORIGINAL PHASING OF THE I-74 CORRIDOR RECONSTRUCTION



- Construct the entire 7.8 miles at the same time
- The entire cost of the reconstruction required up front
- The required financial commitment made the timing uncertain

2

CURRENT PHASING OF THE I-74 CORRIDOR RECONSTRUCTION



- Construct the entire 7.8 miles in multiple phases
- The entire cost of the reconstruction is spread out over time
- The modified financial commitment allows for setting a start date

2

CURRENT PHASING OF THE I-74 CORRIDOR RECONSTRUCTION

2012

2013 — PHASE 0 — Lincoln Road & 53rd Street - *Completed*

2014

2015 — PHASE 1 — Advanced Local Roads, Moline & Bettendorf

2016

2017

2018

2019

2020 — PHASE 2 — Avenue of Cities in Moline to Middle Road in Bettendorf (3.4 miles)

2021 — PHASE 2 — Existing River Bridge Demolition

2022 & Beyond — PHASE 3 — Landscape - *Timing To Be Determined*

PHASE 3 — North Section - *Timing To Be Determined*

PHASE 4 — South Section - *Timing To Be Determined*

2

ORIGINAL CONSTRUCTION STAGING OF THE I-74 CORRIDOR

- I-74 TRAFFIC:
  Two EB and WB Lanes and All Ramp Movements Maintained at All Times

- DURATION:
  5 years
  4 Years of Impacts to I-74 Traffic

- NUMBER OF CONSTRUCTION STAGES: 9

- POTENTIAL ISSUES:
  Construction Between Lanes of Traffic
  Isolated Single Traffic Lanes
  Complex Traffic Shifts
  Periods of No Work Being Performed in Iowa
  Required an Expensive Temporary Bridge
  Required an Elaborate Lightweight Temporary Fill
  Required a Large Number of Temporary Retaining Walls
  Required Bridges to be Built in 3 stages

- COST:
  High Cost due to Complexity and Long Duration

2

CURRENT CONSTRUCTION STAGING OF THE I-74 CORRIDOR

- I-74 TRAFFIC:
  Two EB Lanes Maintained at All Times
  Two EB Lanes over the Mississippi River at All Times
  Some Restricted EB Ramp Movements during 2020 Construction Season
  Two WB Lanes and Ramp Movements Maintained with Exception of 2019 Construction Season
  Two WB Lanes over the Mississippi River Except one WB Lane during 2019 Construction Season

- DURATION:
  3.5 years
  Only 2 Years of Impacts to I-74 Traffic

- NUMBER OF CONSTRUCTION STAGES: 4

- POTENTIAL ISSUES:
  Traffic Delays & Congestion for WB Traffic in 2019 Construction Season

- COST:
  Reduced Costs due to Simplified Construction and Less Time

3

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3

MOLINE ADVANCED LOCAL ROADS

WHAT:

- Reconstruct River Drive in preparation for new I-74 ramp locations
- City utility work & improvements

WHEN:

- August 2014 to May 2015

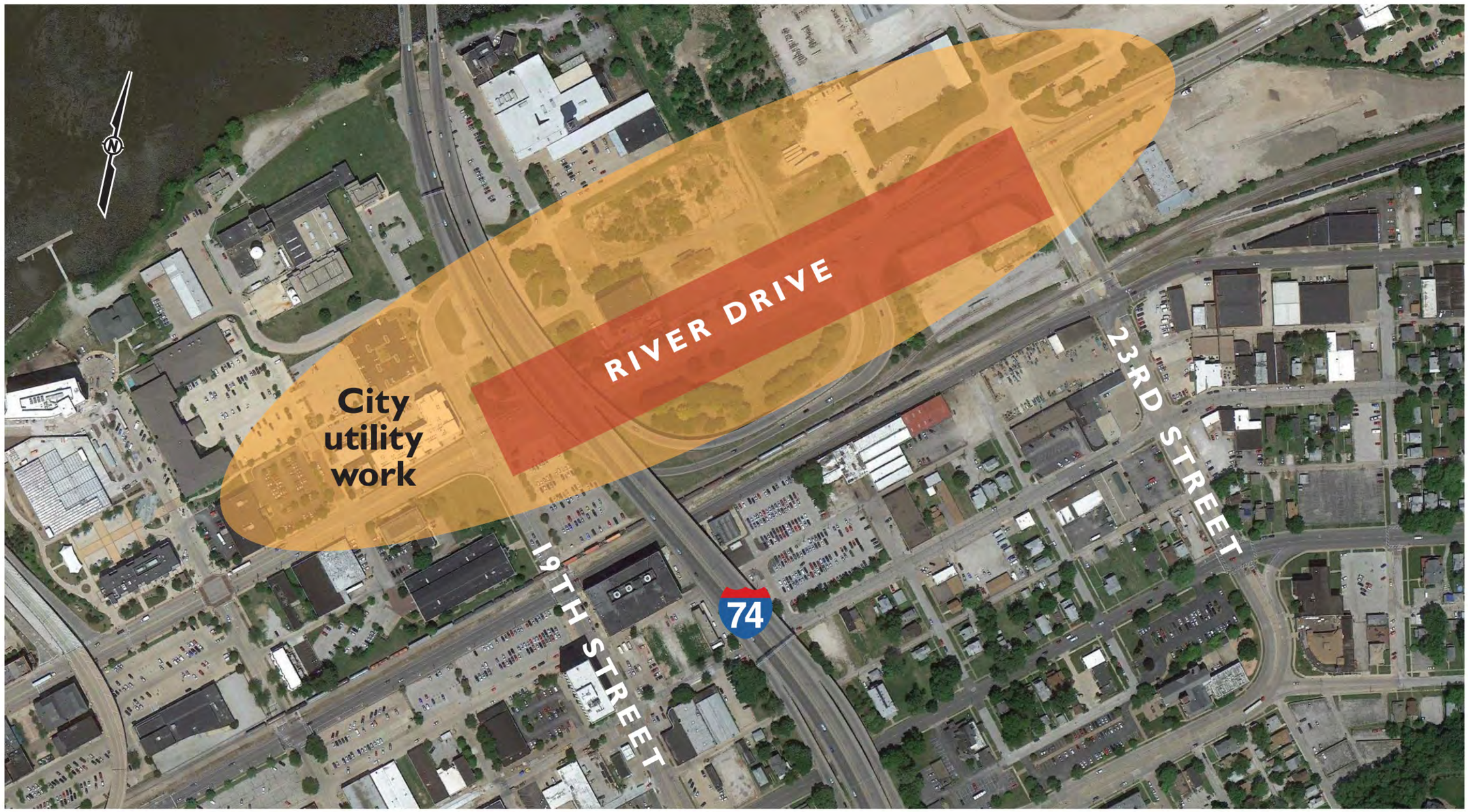
IMPACTS:

- River Drive closed September 2014 to mid-December 2014
- Accommodations along River Drive will be made for the September Marathon
- I-74 River Drive entrance/exit ramps closed September 2014 to mid-December 2014
- Periodic intersection closures for utility work

3

MOLINE ADVANCED LOCAL ROADS

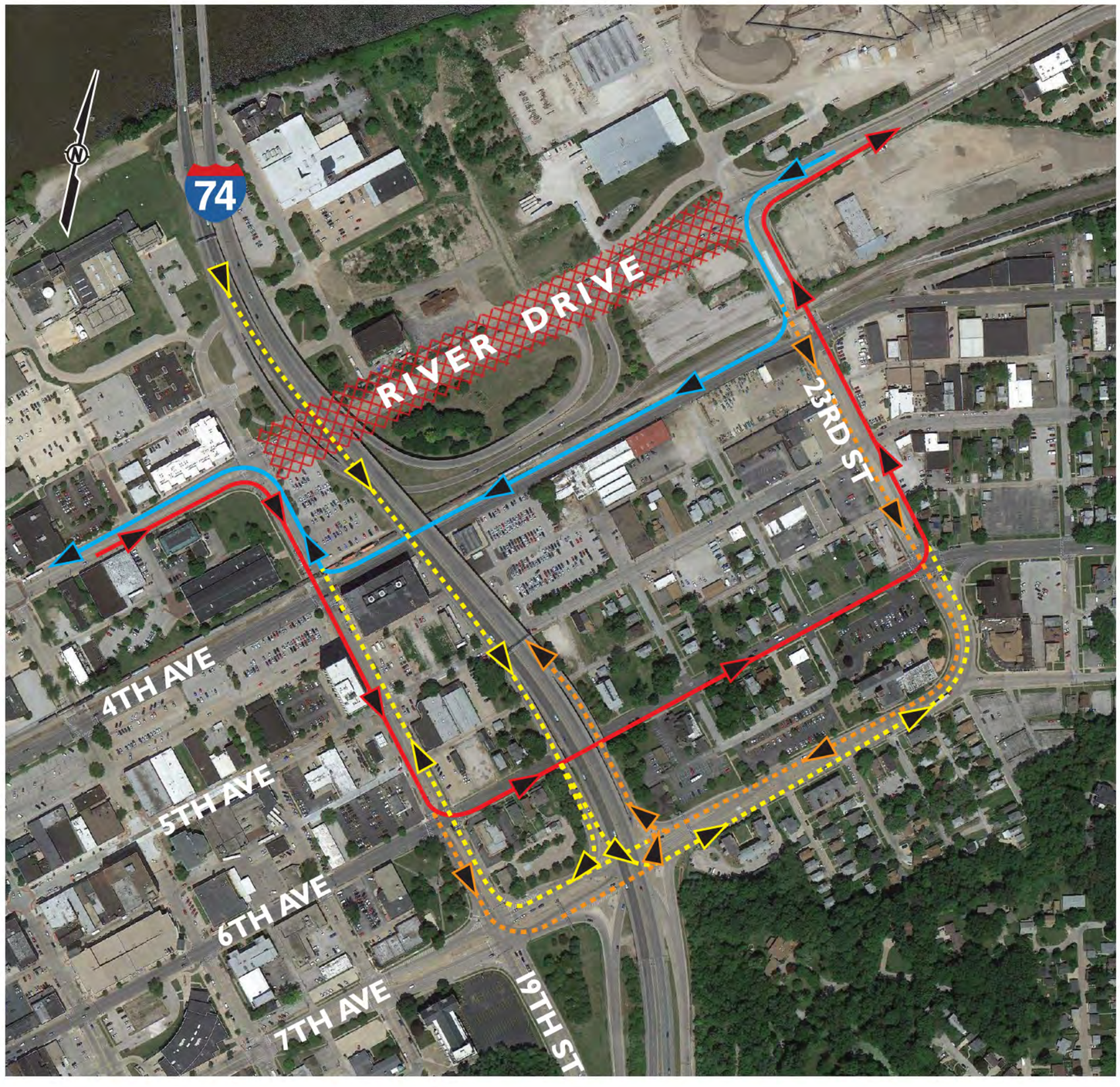
- River Drive closed from 19th Street to 23rd Street from September to mid-December 2014



3

MOLINE ADVANCED LOCAL ROADS

River Drive and I-74 Ramp Detour Routes



Eastbound River Drive Detour

Westbound River Drive Detour

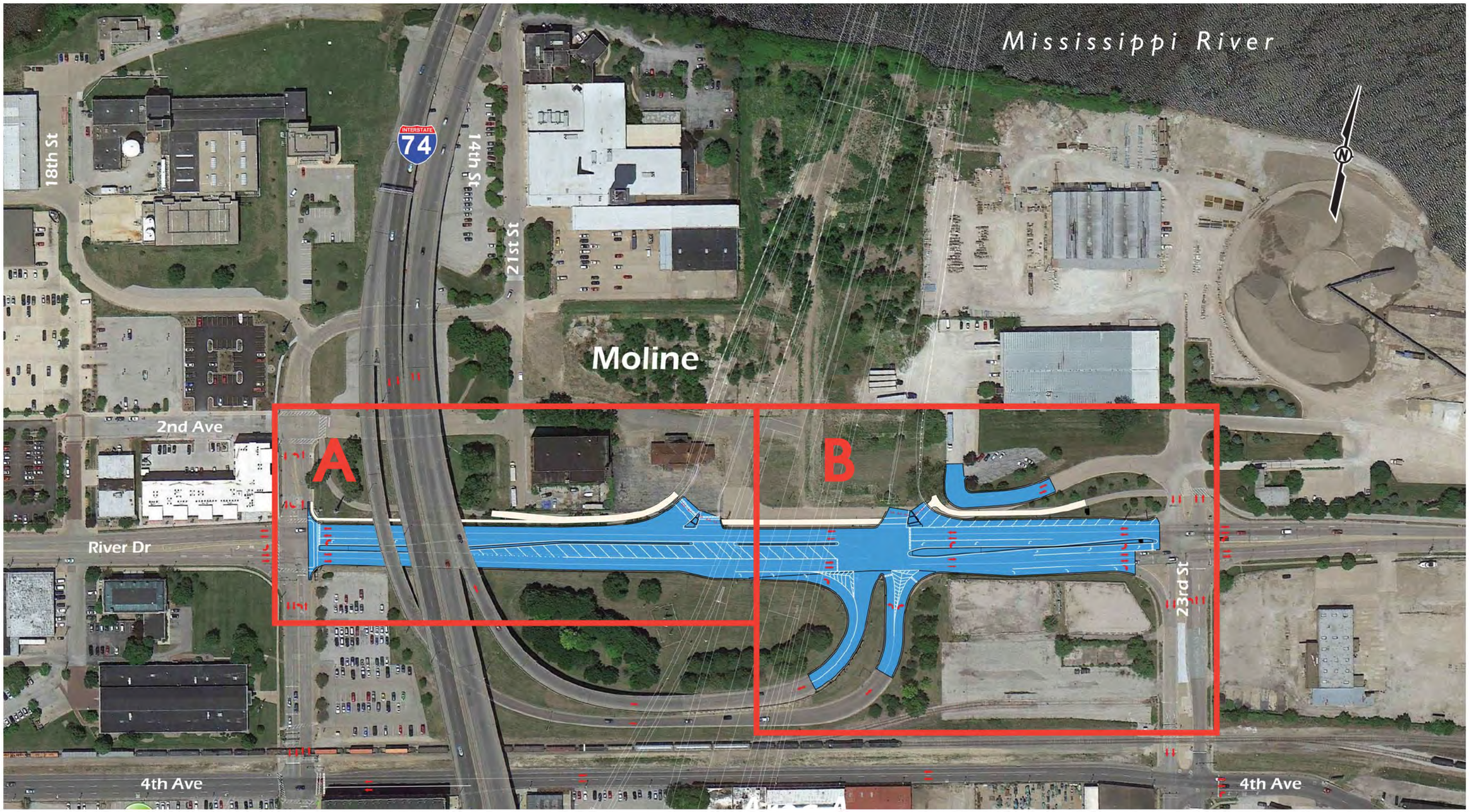
Detour to westbound entrance ramp from west and east on River Drive

Detour from eastbound exit ramp to eastbound and westbound River Drive

Traffic Direction

3

MOLINE ADVANCED LOCAL ROADS



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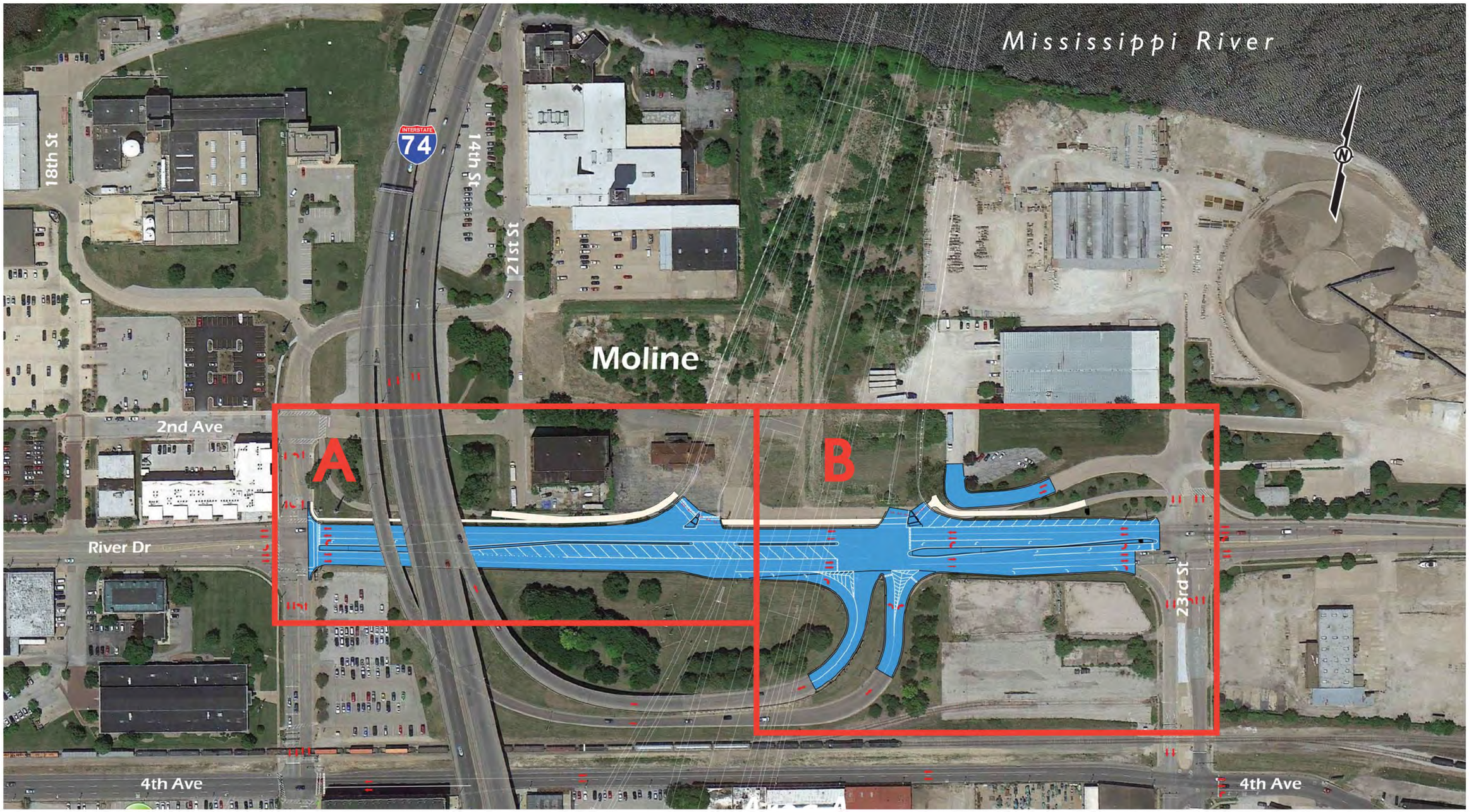
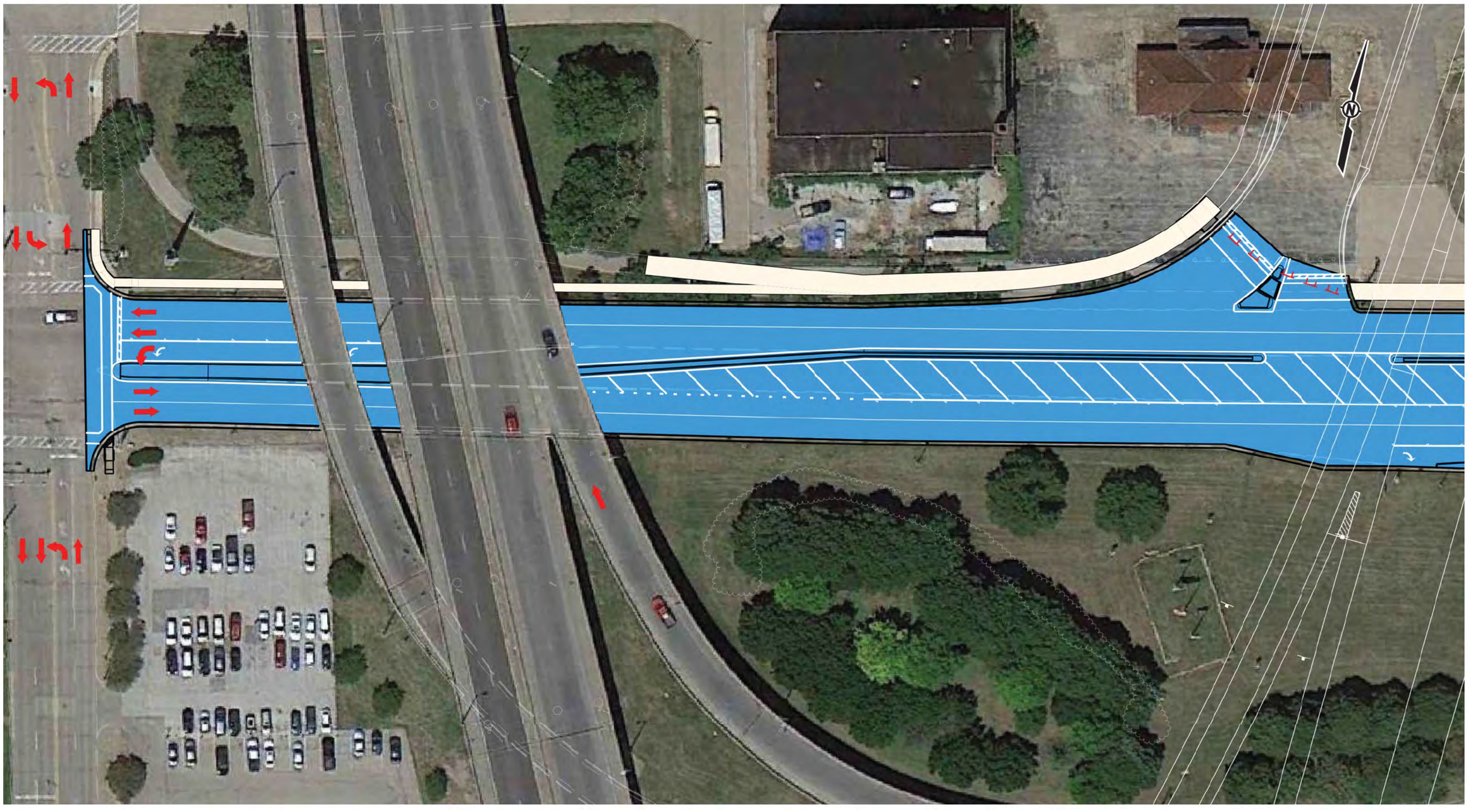
MOLINE ADVANCED LOCAL ROADS



3

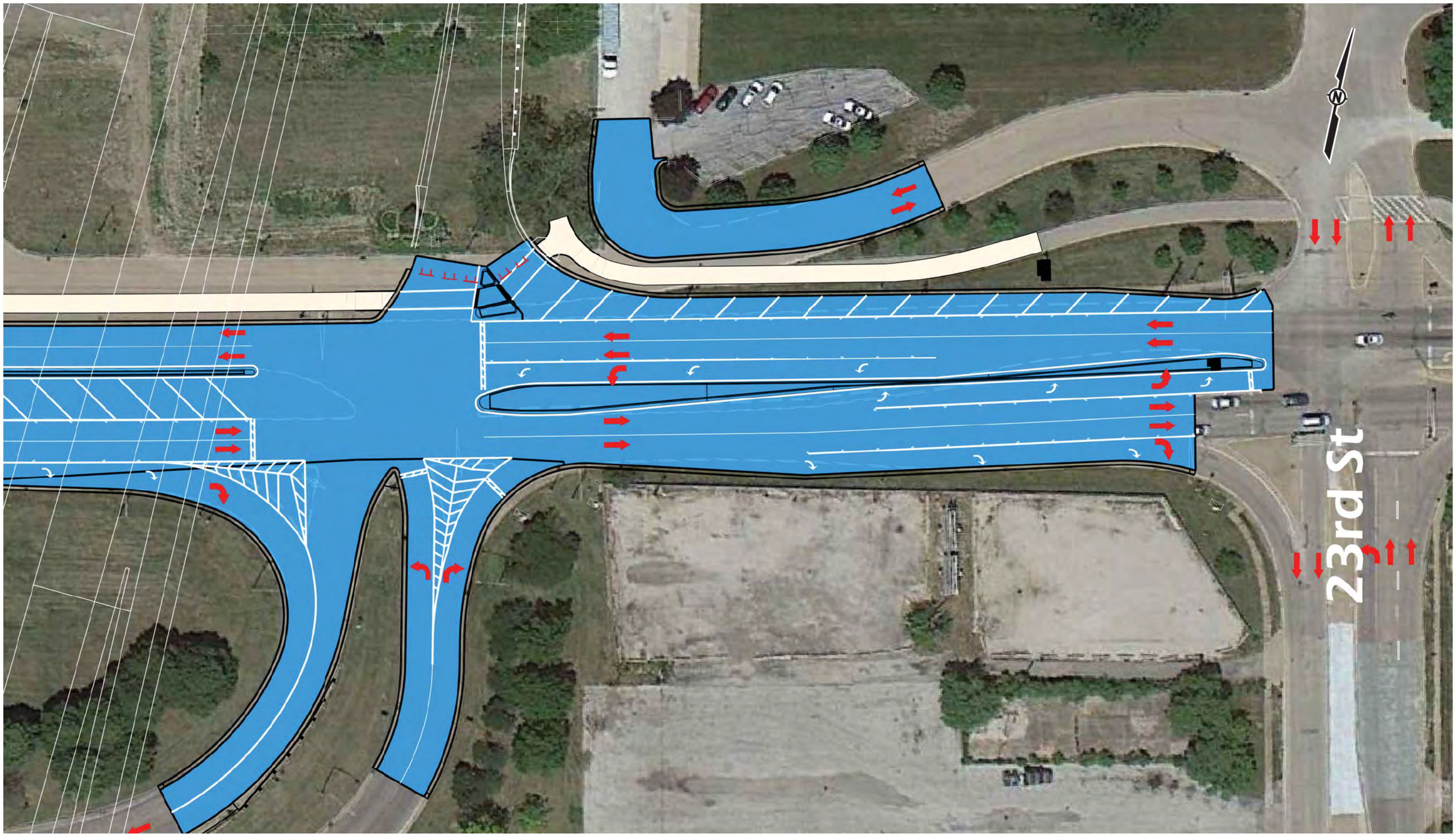
MOLINE ADVANCED LOCAL ROADS

AREA A



MOLINE ADVANCED LOCAL ROADS

AREA B



4

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BETTENDORF ADVANCED LOCAL ROADS

4

WHAT:

- Realign EB US 67 to join WB US 67 to facilitate new I-74 diamond interchange
- Reconfigure State Street
- Widen and Reconstruct Grant Street
- Reconstruct Mississippi Boulevard
- Reconstruct Kimberly Road
- Replace City Sanitary Sewers & Water Pipes

WHEN:

- Fall 2014 to November 2015
- No lane restrictions until Spring 2015

IMPACTS:

- EB & WB US 67 remain open at all times
- I-74 EB Ramps remain open at all times
- I-74 WB Ramps remain open at all times
- Some Lane Reductions
- Periodic Intersection Closures

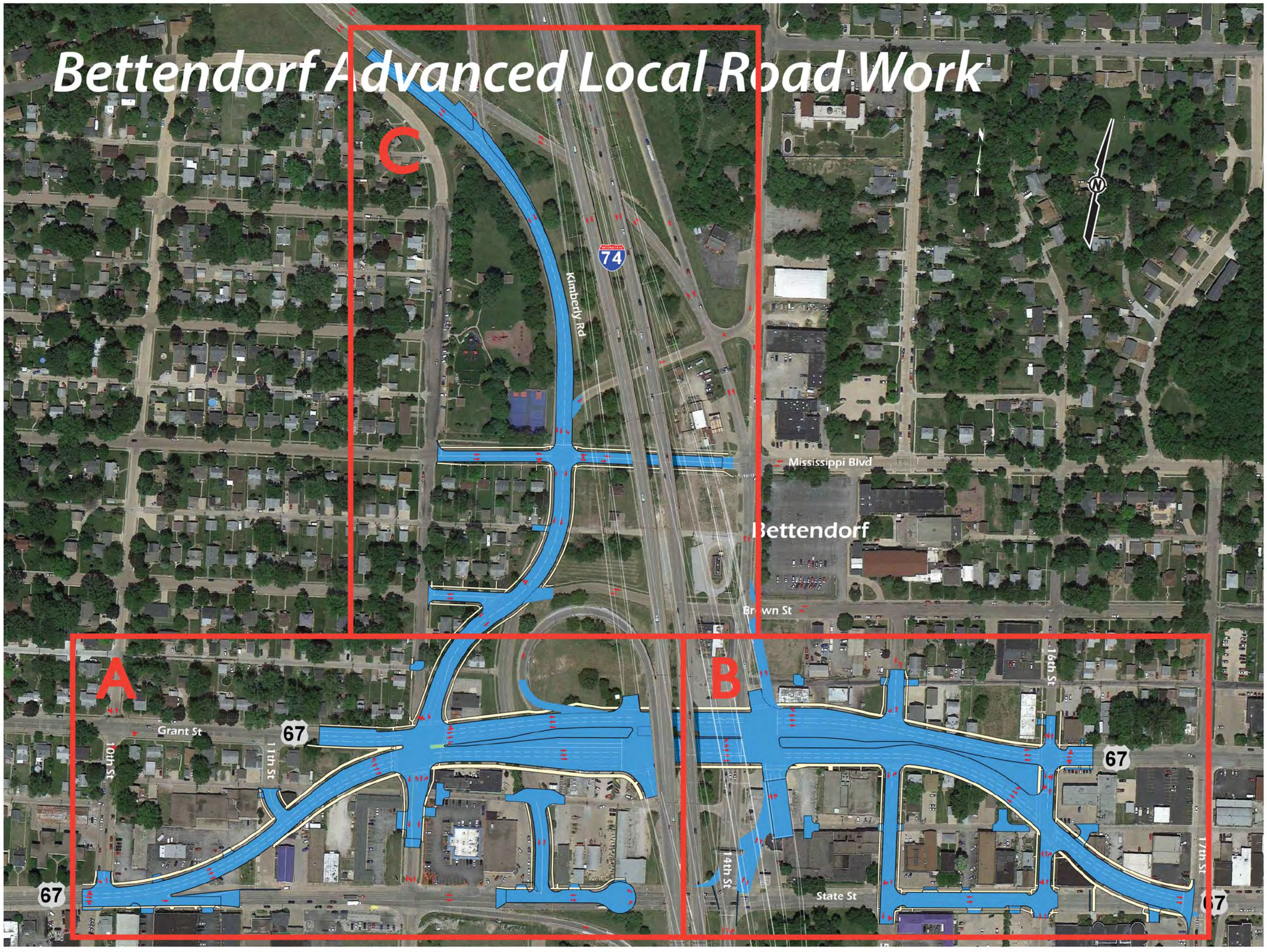
BETTENDORF ADVANCED LOCAL ROADS

4

- Work completed during 2015 construction season
- Eight Construction stages
  - Most have relatively short durations
  - Overlap of stages occur
- Traffic maintained on all roads during construction
- Traffic maintained on all I-74 ramps during construction

BETTENDORF
ADVANCED LOCAL ROADS

4



BETTENDORF
ADVANCED LOCAL ROADS

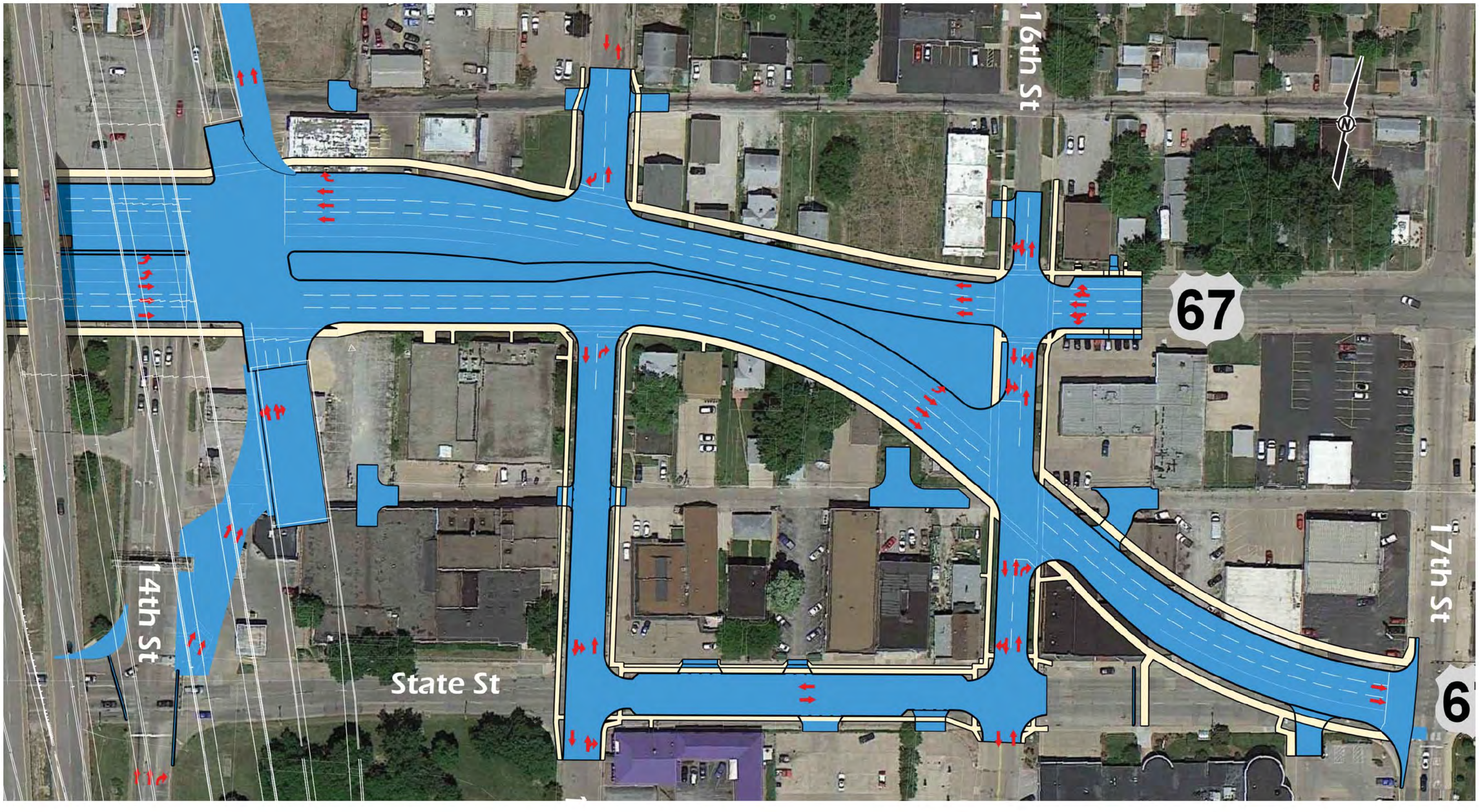
4

AREA A

BETTENDORF
ADVANCED LOCAL ROADS

4

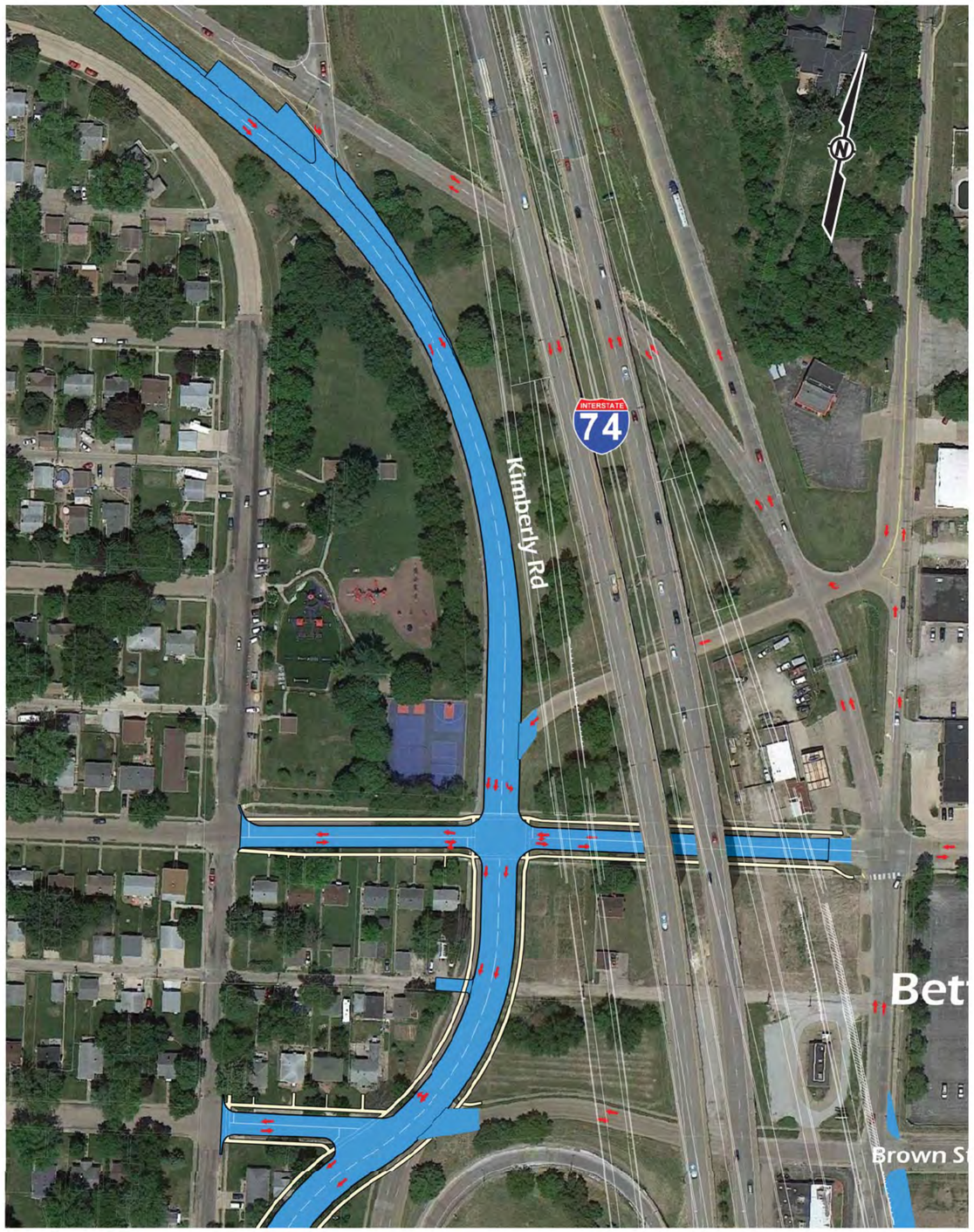
AREA B



BETTENDORF
ADVANCED LOCAL ROADS

4

AREA C



5

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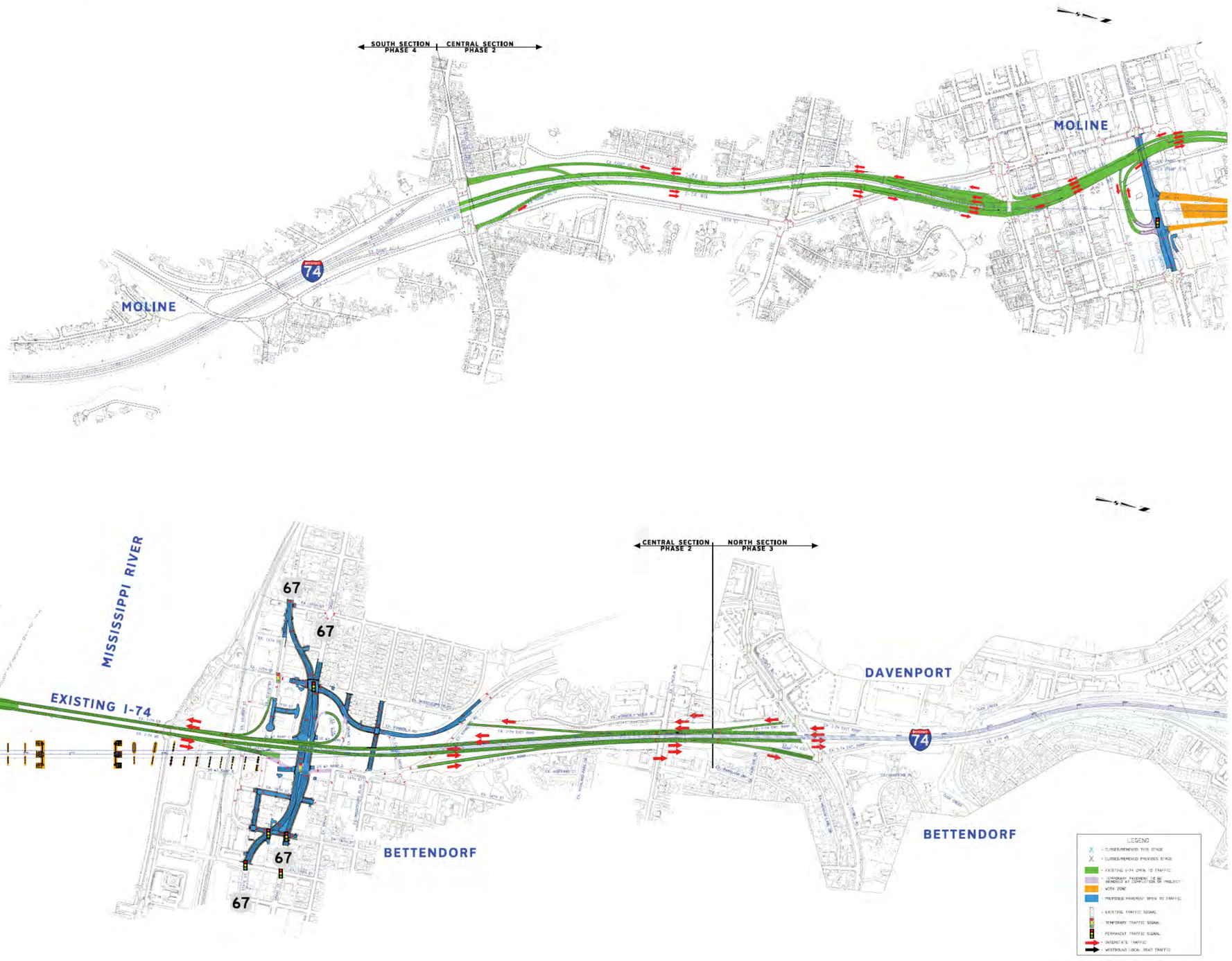
5

EXPANDED CENTRAL SECTION
Staging & Schedule Pre-Stage

Pre-Stage: July 2017 to April 2018

ILLINOIS



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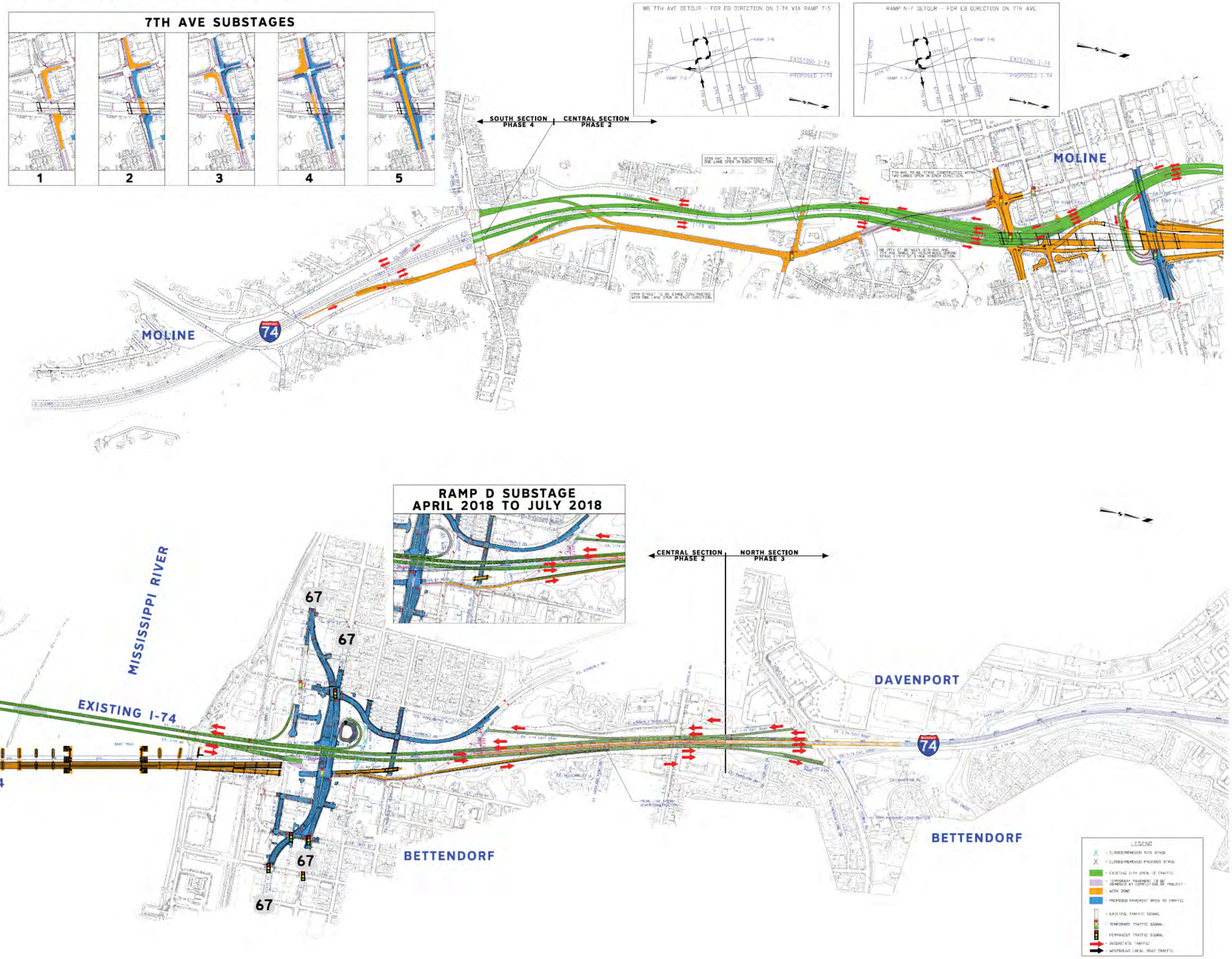
EXPANDED CENTRAL SECTION
Staging & Schedule Stage 1

Stage 1: April 2018 to November 2018

ILLINOIS

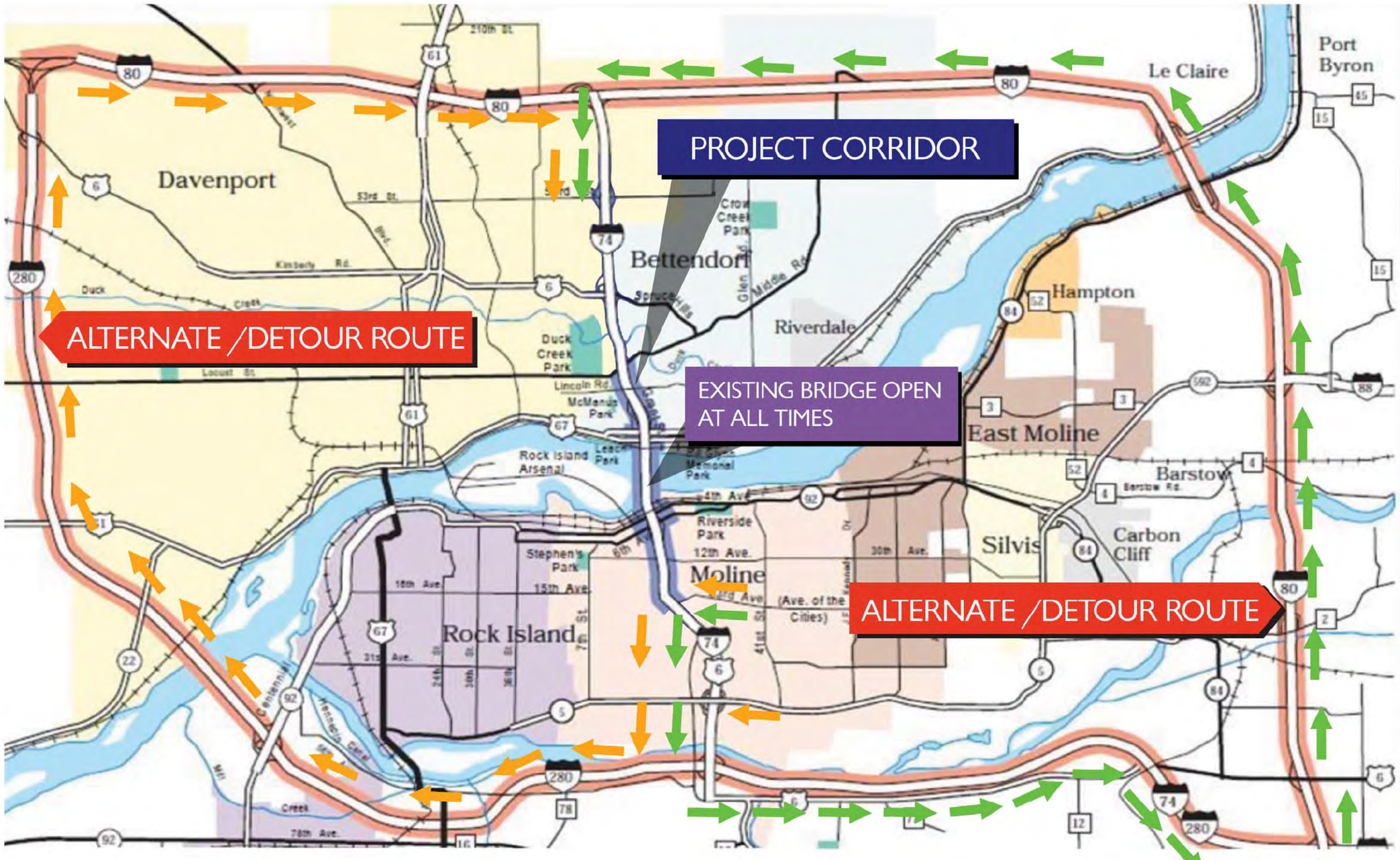


IOWA

STAGE 2: I-74 WESTBOUND ALTERNATE/DETOUR ROUTES

5

- I-74 eastbound remains open at all times
- I-74 westbound across river remains open at all times



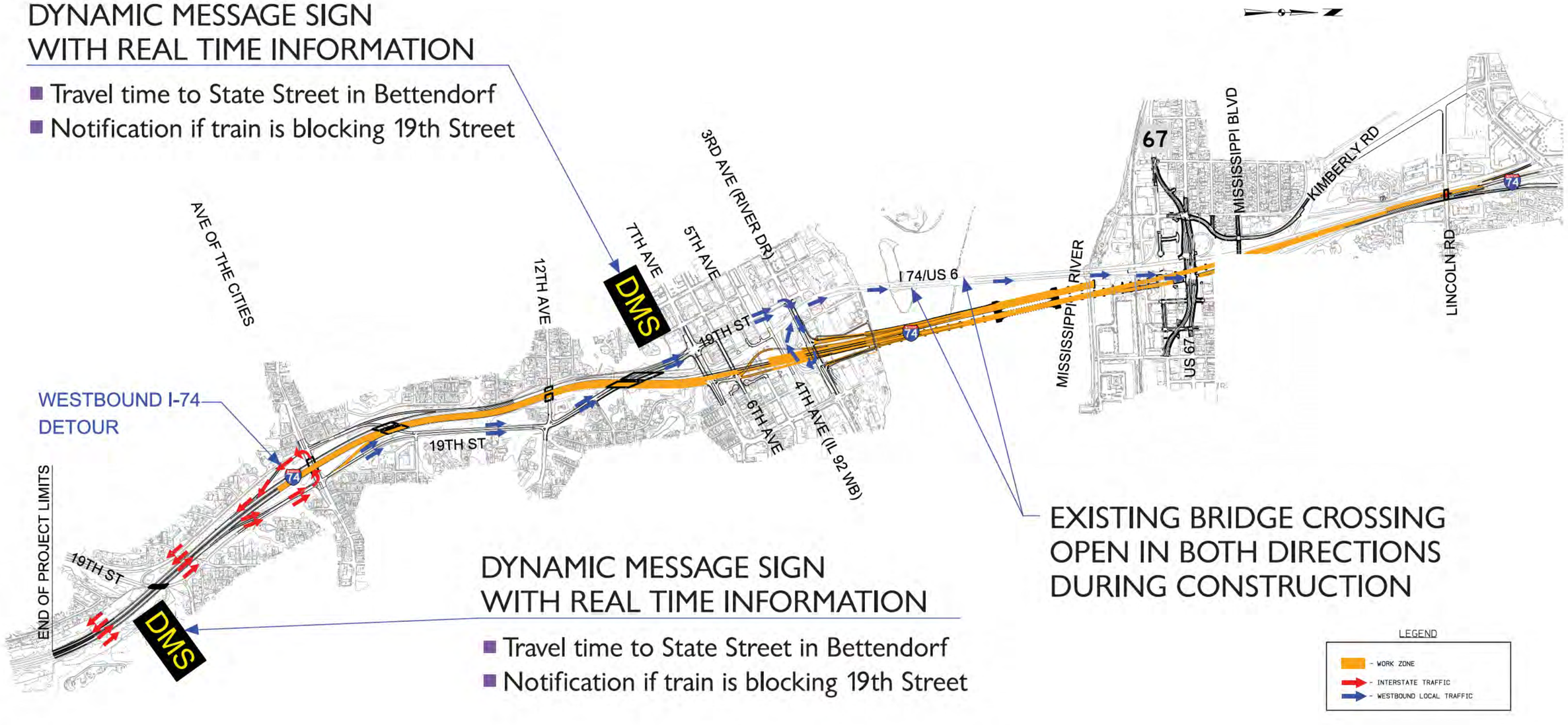
5

EXPANDED CENTRAL SECTION

Westbound Local Traffic Management During Stage 2

DYNAMIC MESSAGE SIGN
WITH REAL TIME INFORMATION

- Travel time to State Street in Bettendorf
- Notification if train is blocking 19th Street



DYNAMIC MESSAGE SIGN
WITH REAL TIME INFORMATION

- Travel time to State Street in Bettendorf
- Notification if train is blocking 19th Street

EXISTING BRIDGE CROSSING
OPEN IN BOTH DIRECTIONS
DURING CONSTRUCTION

LEGEND

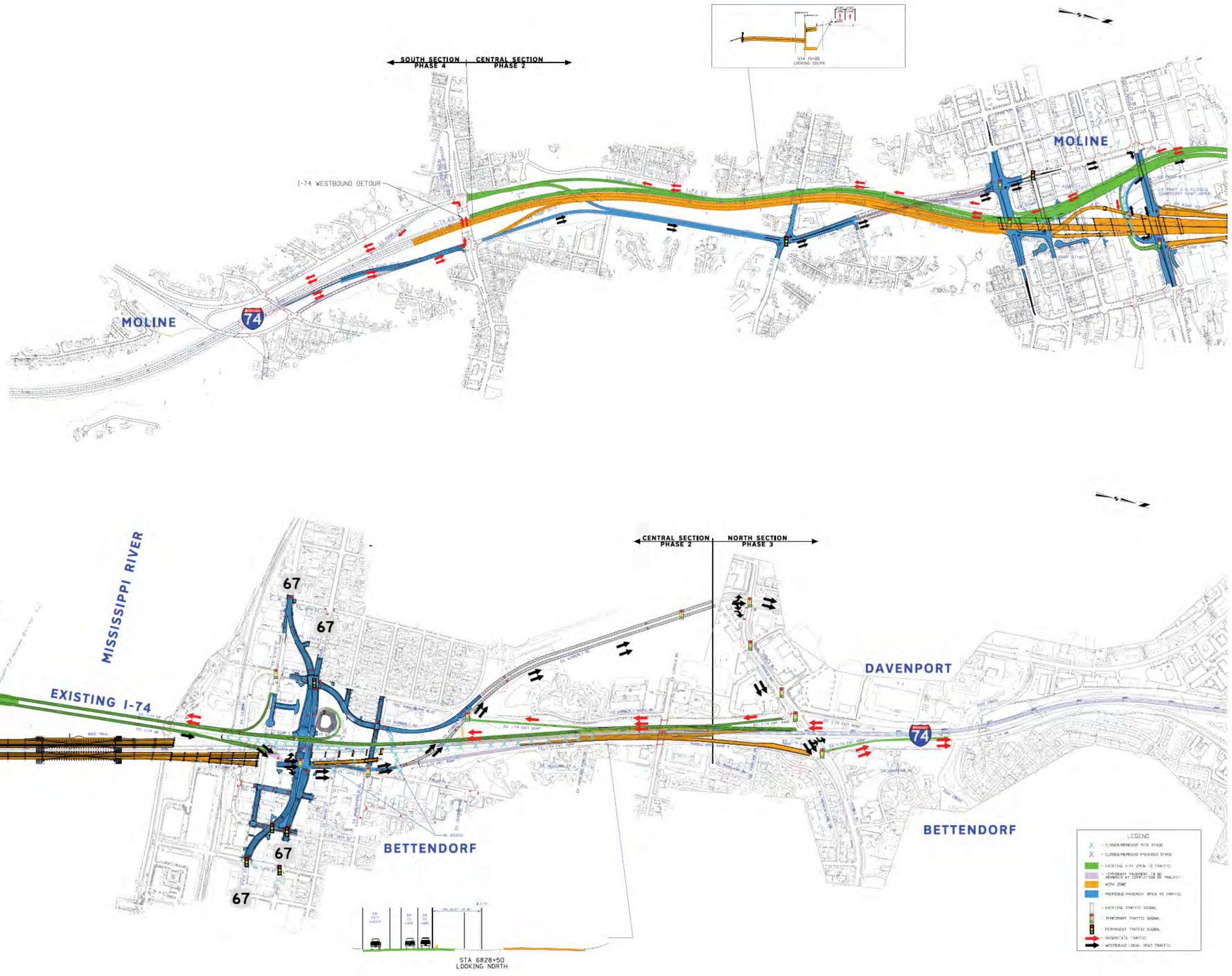
- WORK ZONE
- INTERSTATE TRAFFIC
- WESTBOUND LOCAL TRAFFIC

5

EXPANDED CENTRAL SECTION
Staging & Schedule Stage 2A

Stage 2A: April 2019 to May 2019

ILLINOIS



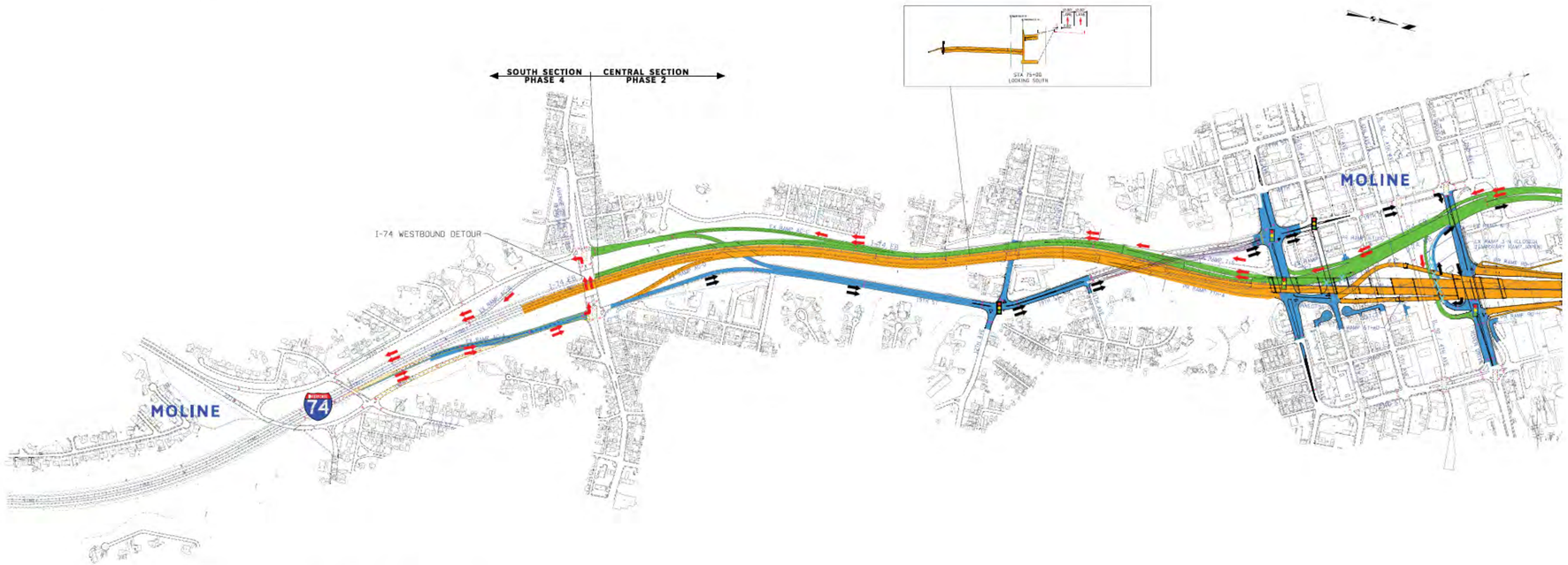
IOWA

5

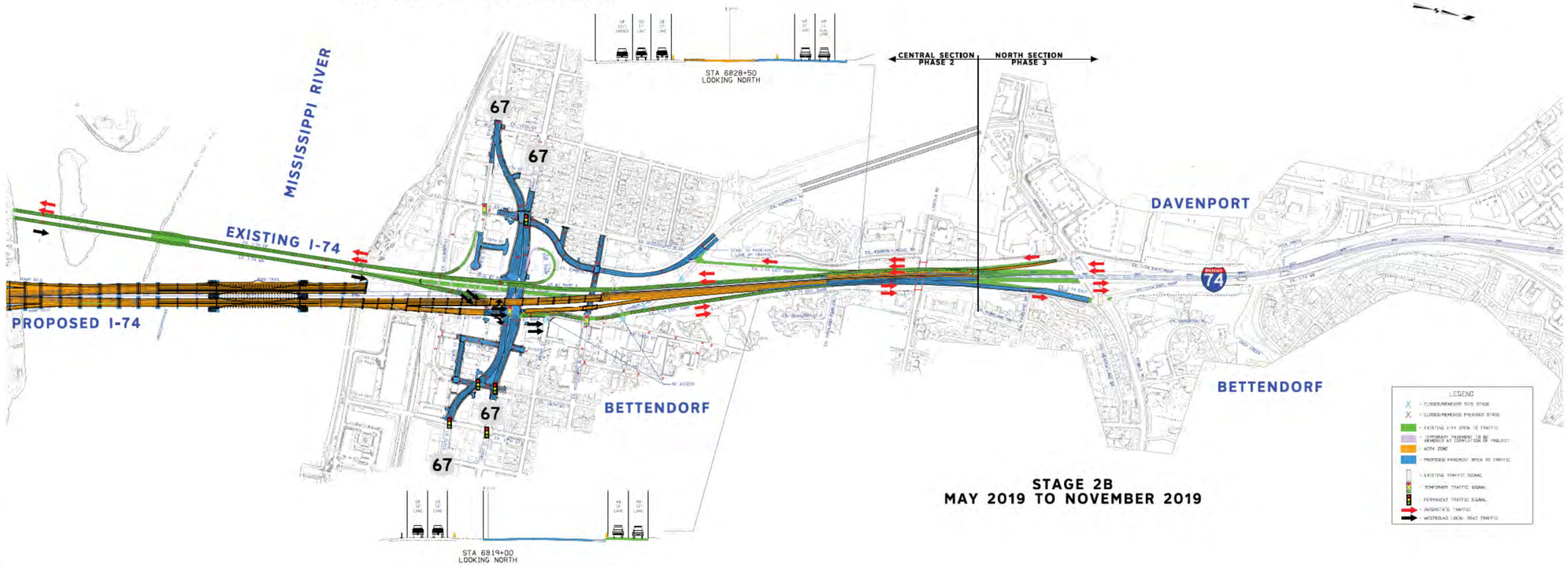
EXPANDED CENTRAL SECTION
Staging & Schedule Stage 2B

Stage 2B: May 2019 to November 2019

ILLINOIS



STAGE 2B
MAY 2019 TO NOVEMBER 2019



STAGE 2B
MAY 2019 TO NOVEMBER 2019

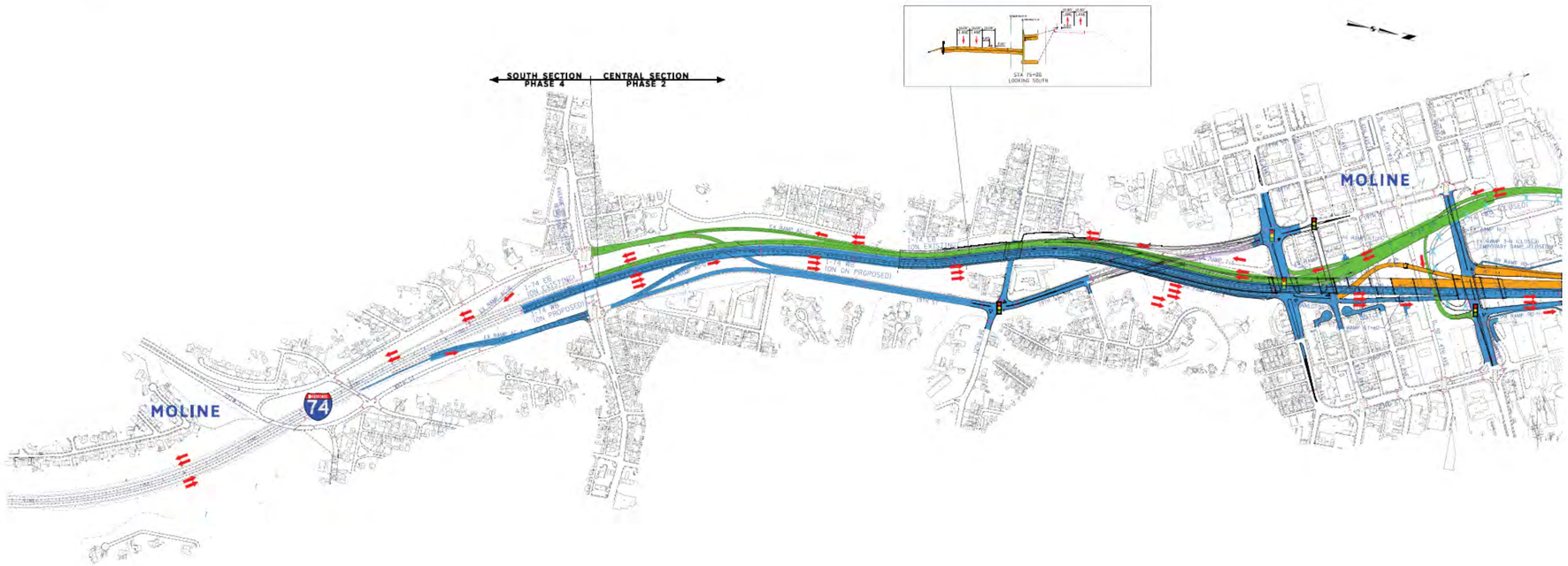
IOWA

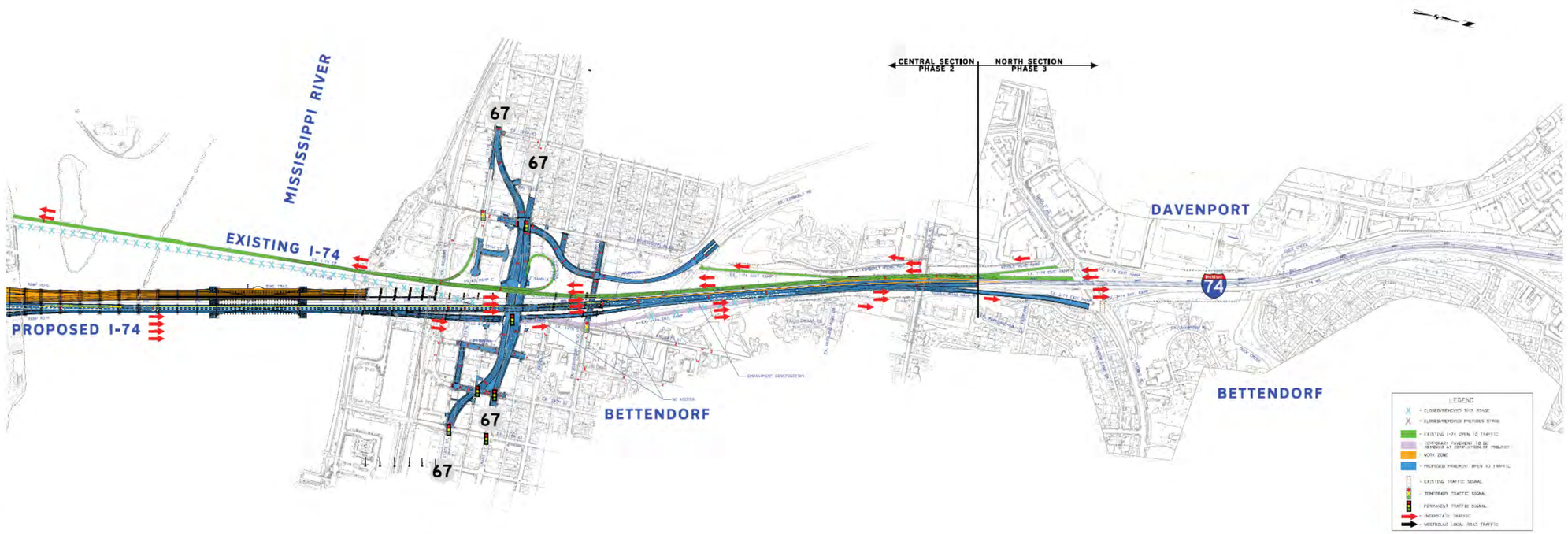
5

EXPANDED CENTRAL SECTION
Staging & Schedule Winter 2019/2020

Thanksgiving 2019 to April 2020

ILLINOIS





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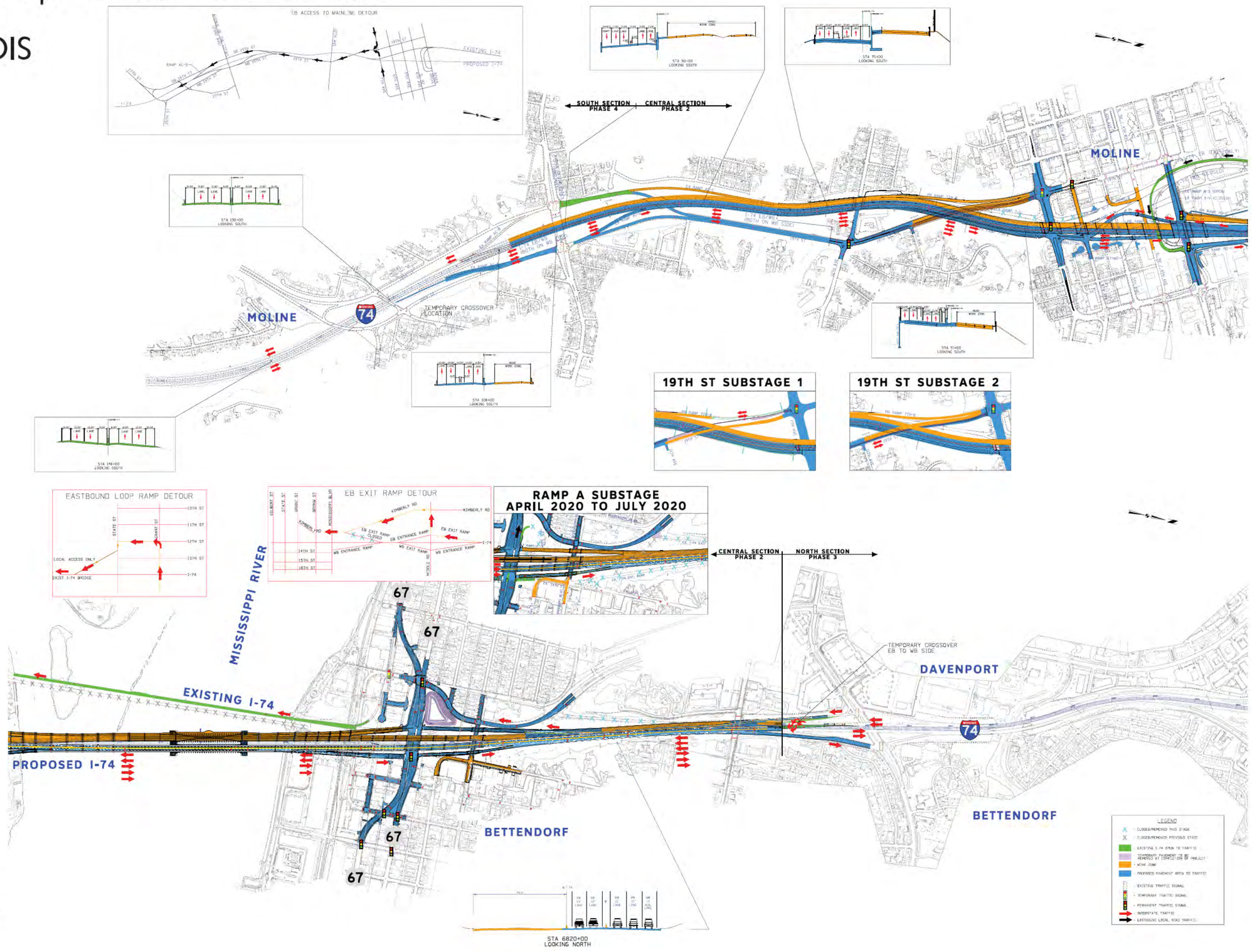
EXPANDED CENTRAL SECTION
Staging & Schedule Stage 3

Stage 3: April 2020 to November 2020

ILLINOIS



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6

I-74/Mississippi River

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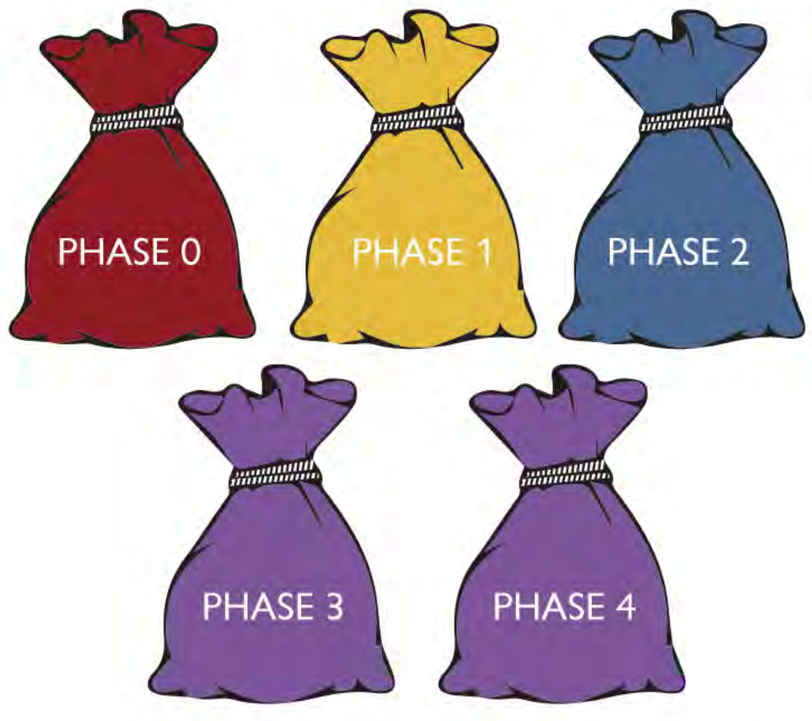
HOW MUCH DOES THE I-74 PROJECT COST?

ORIGINAL CONSTRUCTION STAGING
5 YEARS

CURRENT CONSTRUCTION STAGING
3 1/2 YEARS
$76 MILLION SAVED

CONSTRUCT CORRIDOR IN PHASES TO SPREAD COSTS OUT OVER TIME



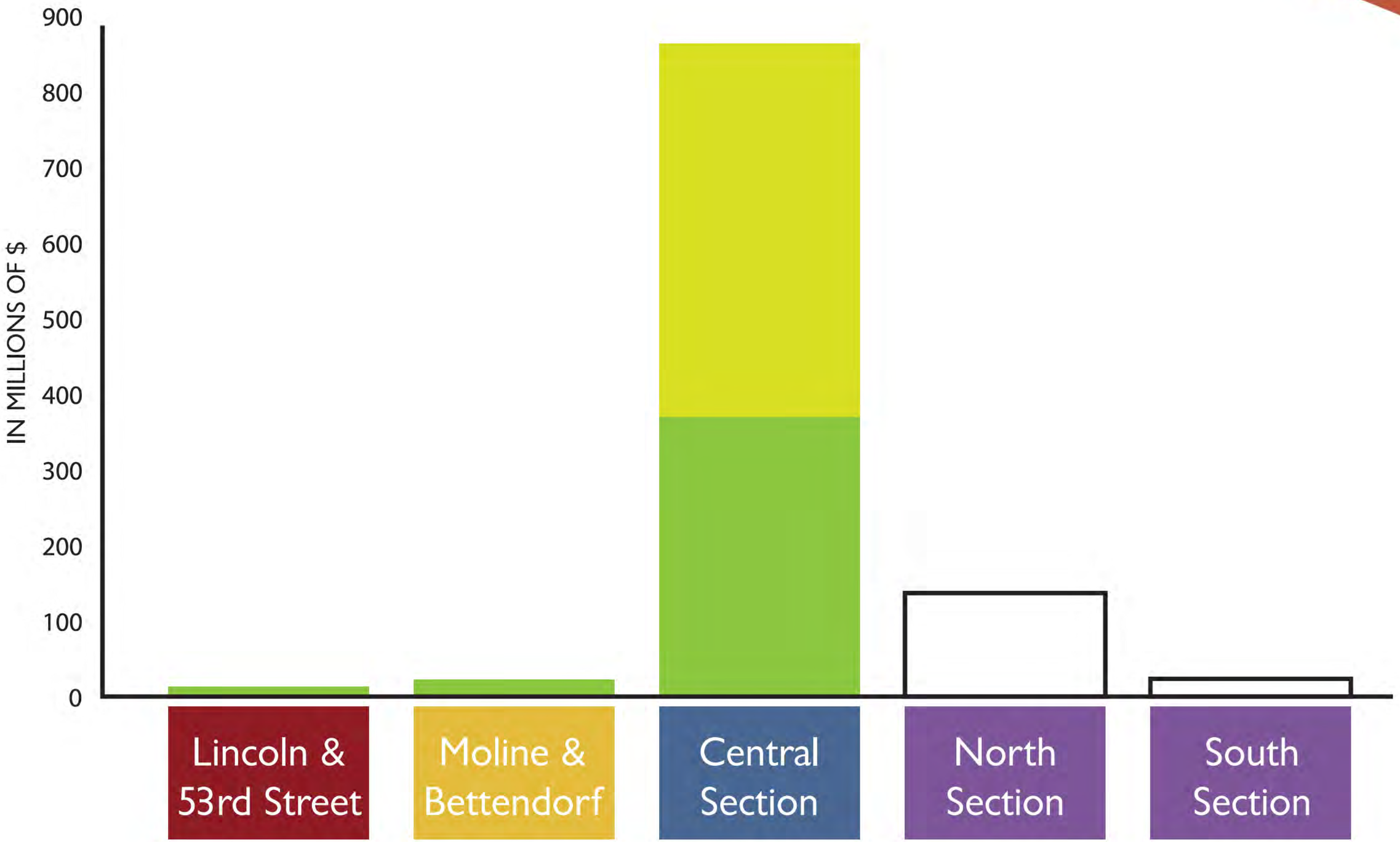
Year of expenditure (YOE) dollars. Includes construction, ROW, utilities, engineering, contract incentives, risk, program management.

PROJECT COSTS

CONSTRUCTION TIME FRAME			COST*
Completed	PHASE 0	Lincoln Road	$3 million
		53rd Street	$14 million
2014 through 2015	PHASE 1	Moline Local Roads	$7 million
		Bettendorf Local Roads	$13 million
July 2017 through November 2020	PHASE 2	Central Section	$907 million
To be determined	PHASE 3	North Section	$171 million
To be determined	PHASE 4	South Section	$29 million
			$1,144 million*
		Reserve	$298 million
		Program Total	$1,442 million

*Year of expenditure (YOE) dollars. Includes construction, ROW, utilities, engineering, contract incentives, risk, program management.

PROJECT FUNDING



Year of expenditure (YOE) dollars. Includes construction, ROW, utilities, engineering, contract incentives, risk, program management.

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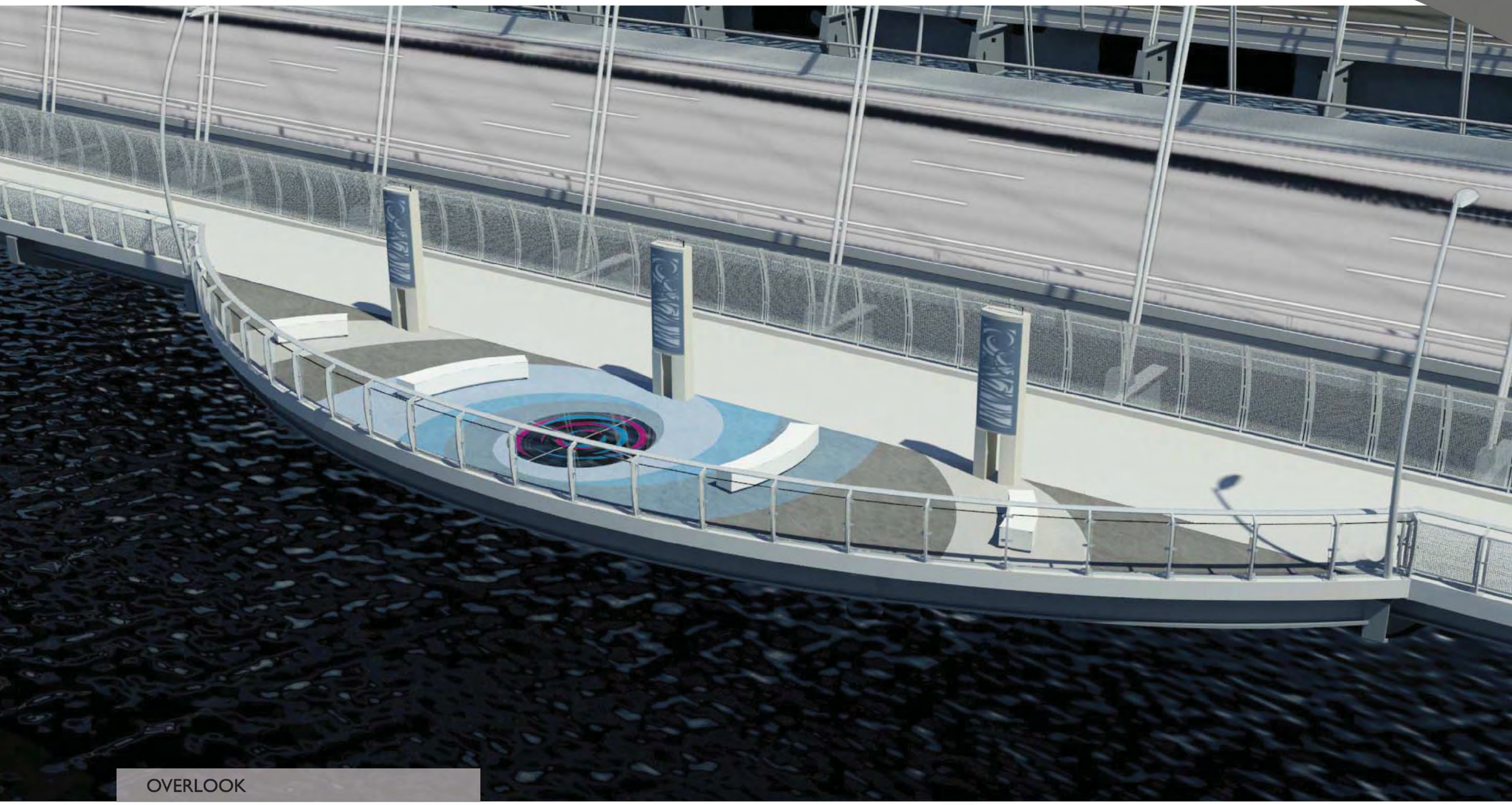
I-74/Mississippi River

Illinois Department of Transportation

IOWA DOT
SMARTER | SIMPLER | CUSTOMER DRIVEN

BASKET HANDLE ARCHES

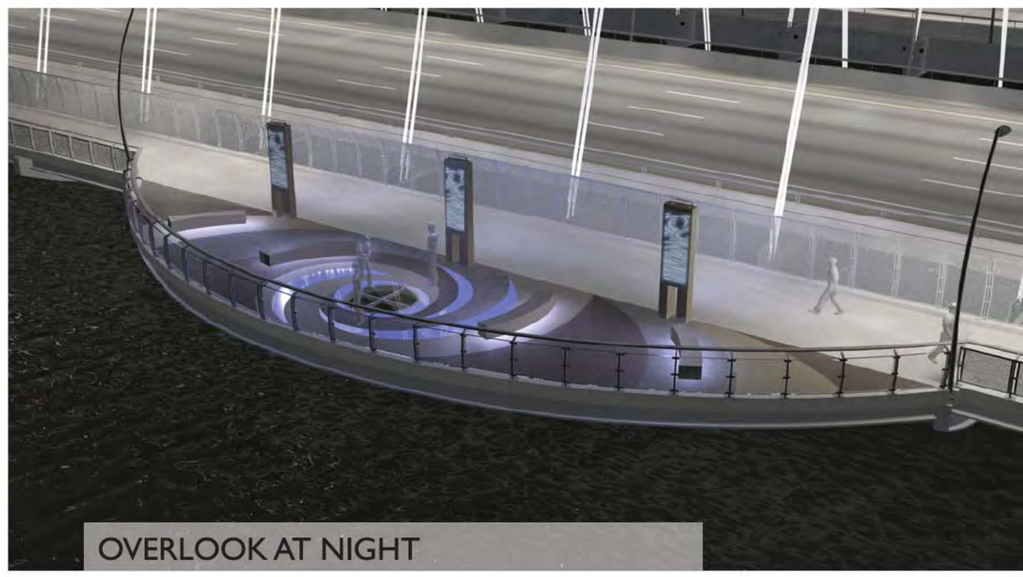
7



OVERLOOK

PLAZA AND LET DOWN STRUCTURE

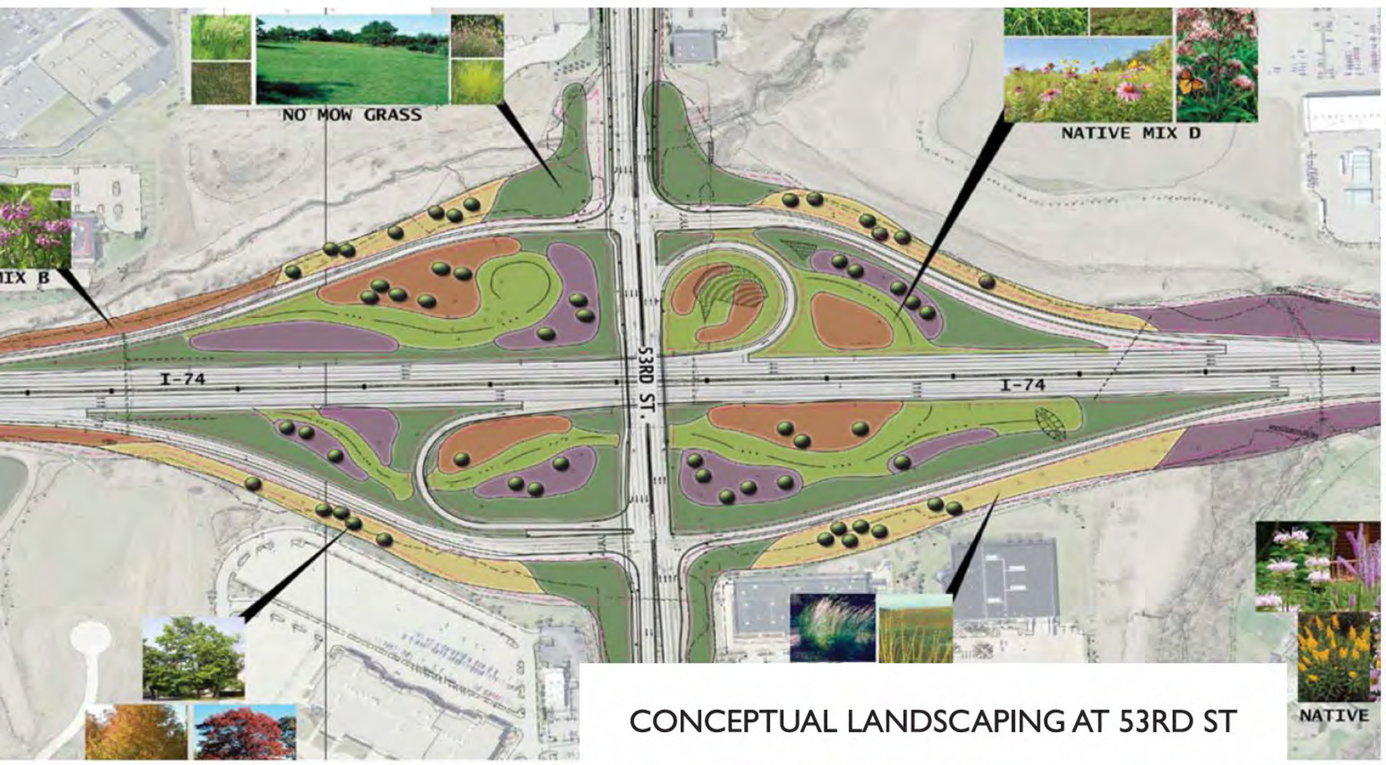
SOUTHBOUND ON THE BRIDGE



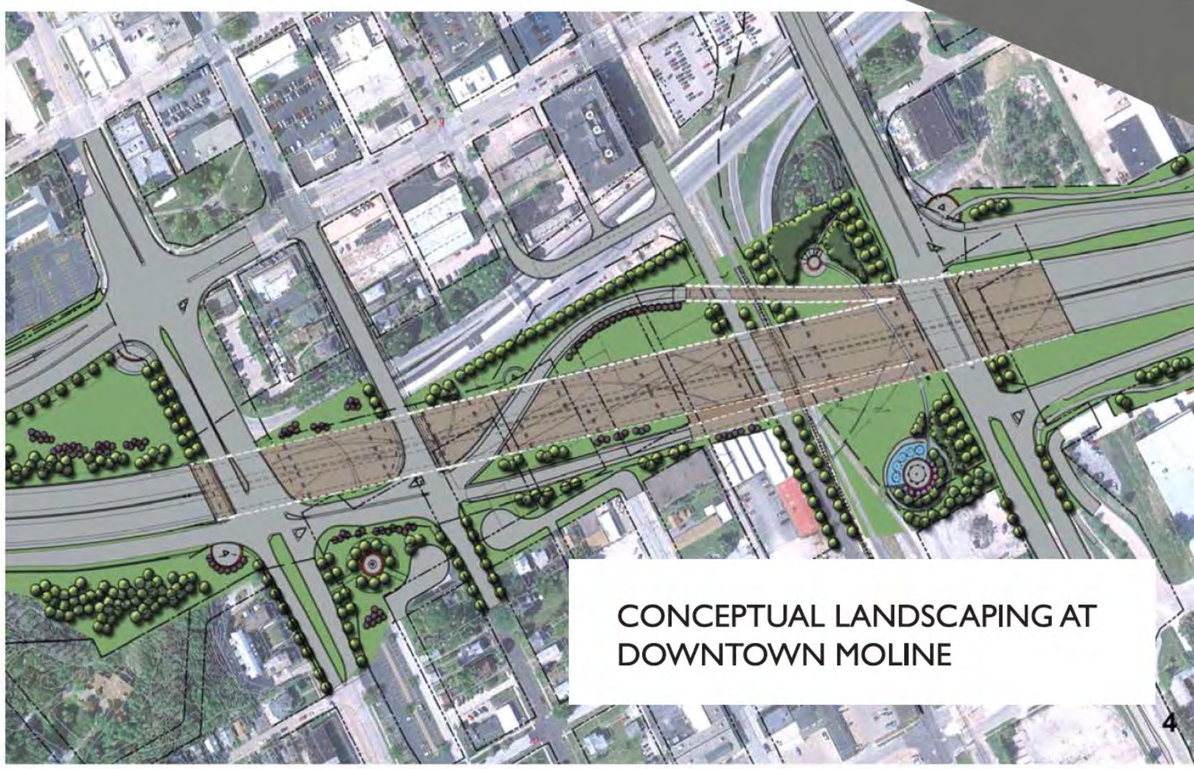
OVERLOOK AT NIGHT

PEDESTRIAN TRAIL

BRIDGE LIGHTING



CONCEPTUAL LANDSCAPING AT 53RD ST



CONCEPTUAL LANDSCAPING AT DOWNTOWN MOLINE

CONCEPTUAL LANDSCAPING AT MIDDLE RD

CONCEPTUAL LANDSCAPING AT 12TH AVE MOLINE