

The purpose of today's meeting is to:

- » Provide an update on the Program
- » Discuss 2017 construction projects
- » Provide details on potential construction impacts and detours in the area
- » Provide an update on the I-29/I-480/West Broadway Interchange, including alternatives developed to date



PROGRAM OVERVIEW

PROGRAM GOALS



Modernize
18 miles
of interstate



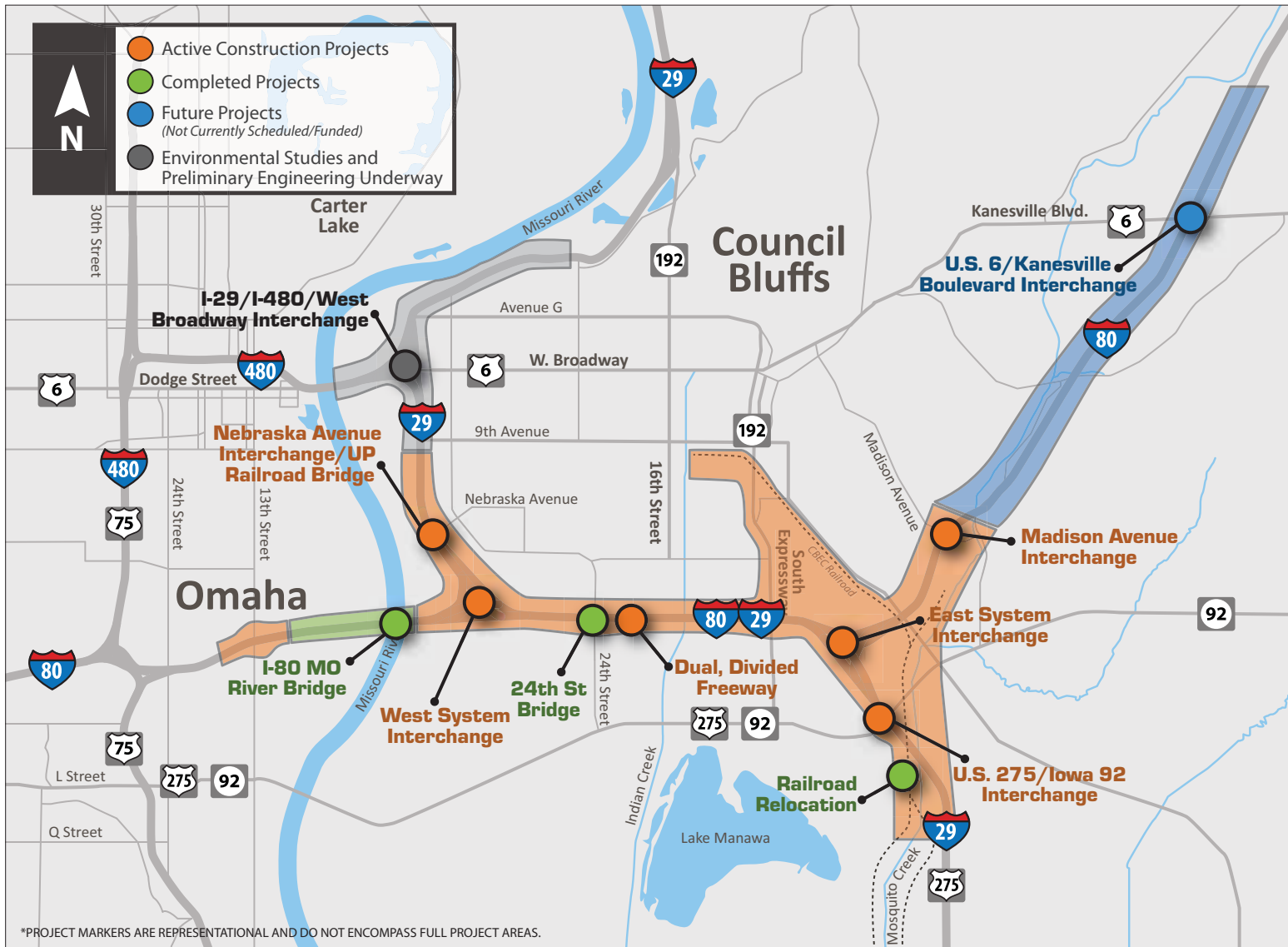
Accommodate
planned development
along the Corridors



Reduce traffic
congestion



Improve the
visual landscape



*PROJECT MARKERS ARE REPRESENTATIONAL AND DO NOT ENCOMPASS FULL PROJECT AREAS.

PROGRAM PROGRESS



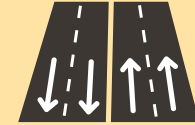
BRIDGES 59



INTERCHANGES 15



INTERSTATE 18



HIGHWAY 135

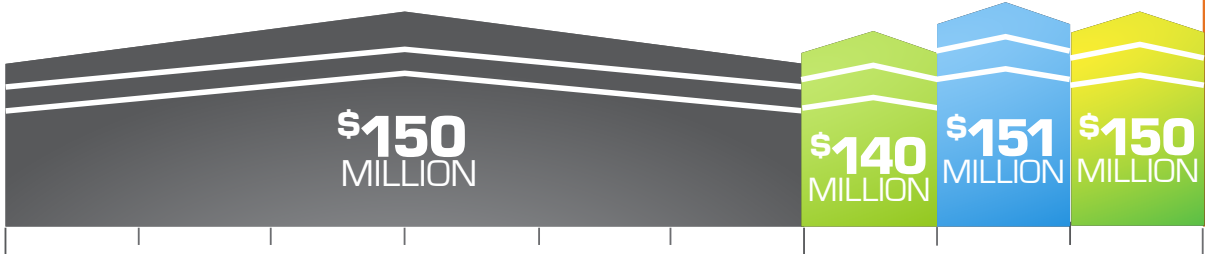


IOWA DOT'S LARGEST HIGHWAY FUNDING EFFORT



NEXT 6 YEARS = **\$704** MILLION

AWARDED = **\$591** MILLION



2016 IN REVIEW

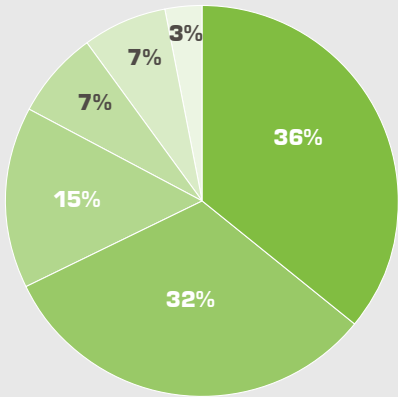


BY THE NUMBERS

The Council Bluffs Interstate System Improvement Program has been active since 2008. The statistics on this page give a snapshot of the magnitude of work completed in 2016.

UTILITIES (TO DATE)

Utility types to be cleared (removed or relocated) for highway construction.



- Electricity
- Gas (natural, petroleum)
- Communications
- Sanitary Sewer
- Storm Drains
- Water

- 341,409 linear feet of utilities impacted to date
- Over 1,600 utility conflicts identified to date
- \$12.3M spent to-date by Iowa DOT to relocate utilities

Crews work on new bridges over South Expressway.



3,000
Linear feet of pipe
38,000 to-date

41,000
Cubic yards of concrete poured
170,000 to-date

123,000
Square feet of bridge deck poured
953,000 to-date

3,100
Tons of reinforcing steel
10,000 to-date

7.2
Miles of railroad track laid

1,200,000
Cubic yards of earthwork moved
6,200,000 to-date

260,000
Square yards of concrete paving
710,000 to-date

3,400
Linear feet of retaining wall
5,200 to-date

6,500
Tons of structural steel for bridges
23,800 to-date



EAST SYSTEM INTERCHANGE

Reconstruction of the East System Interchange will address capacity needs, improve safety and correct functional design issues.

Project highlights will include:

- » Reconstruction to allow for the straightening of the I-80 alignment.
- » Elevation of highway segments to improve efficiency.
- » Reduction of necessary lane changes.
- » Elimination of I-29 left-hand entrance and exit ramps.

Construction began in summer 2014 and will be completed in summer 2021.





I-80/I-29 DUAL, DIVIDED FREEWAY

The dual, divided freeway will improve the overall efficiency of the transportation network.

Project highlights will include:

- » Separation of through traffic on I-80 from traffic on I-29 destined for Council Bluffs.
- » Creation of an I-80 express and an I-29/I-80 local by constructing four separate roadways (two in each direction).



Construction is anticipated to be completed in summer 2021.



WEST SYSTEM INTERCHANGE

The West System Interchange project will provide for efficient and safe vehicle movement on both I-29 and I-80 systems.

Project highlights include:

- » An increase in the number of travel lanes for both I-80 and I-29.
- » Reduction of necessary lane changes.
- » Construction of a new overpass and surface-level highway lanes.
- » Dedicated lanes for through I-80 westbound traffic.
- » Elimination of I-29 left-hand entrance and exit ramps to I-80.



Construction is anticipated to be completed in 2019.

ACTIVE CONSTRUCTION PROJECT



U.S. 275/IOWA 92 INTERCHANGE

The U.S. 275/Iowa 92 Interchange project will replace aging bridge and highway infrastructure, bringing it up to current design standards, and accommodate the consolidation of railroad lines.

Project highlights include:

- » Consolidation of railroad operations into a common corridor.
- » Construction of new roadway embankments, walking trail and bridge structures.
- » Removal and reconstruction of six bridges.

Construction began in summer 2014 and will be completed in fall 2019.



NEBRASKA AVENUE INTERCHANGE/ UNION PACIFIC RAILROAD BRIDGE



The Nebraska Avenue Interchange is being reconstructed to meet current design standards and capacity needs.

Project highlights include:

- » Reconstruction of the folded diamond interchange.
- » Realignment of Nebraska Avenue interchange with I-29.
- » Reconstruction of Union Pacific Railroad Bridge.

Construction is anticipated to begin in 2017 and will be completed in fall 2021.





MADISON AVENUE INTERCHANGE

The Madison Avenue Interchange is being reconstructed to meet current design standards and capacity needs.

Project highlights include:

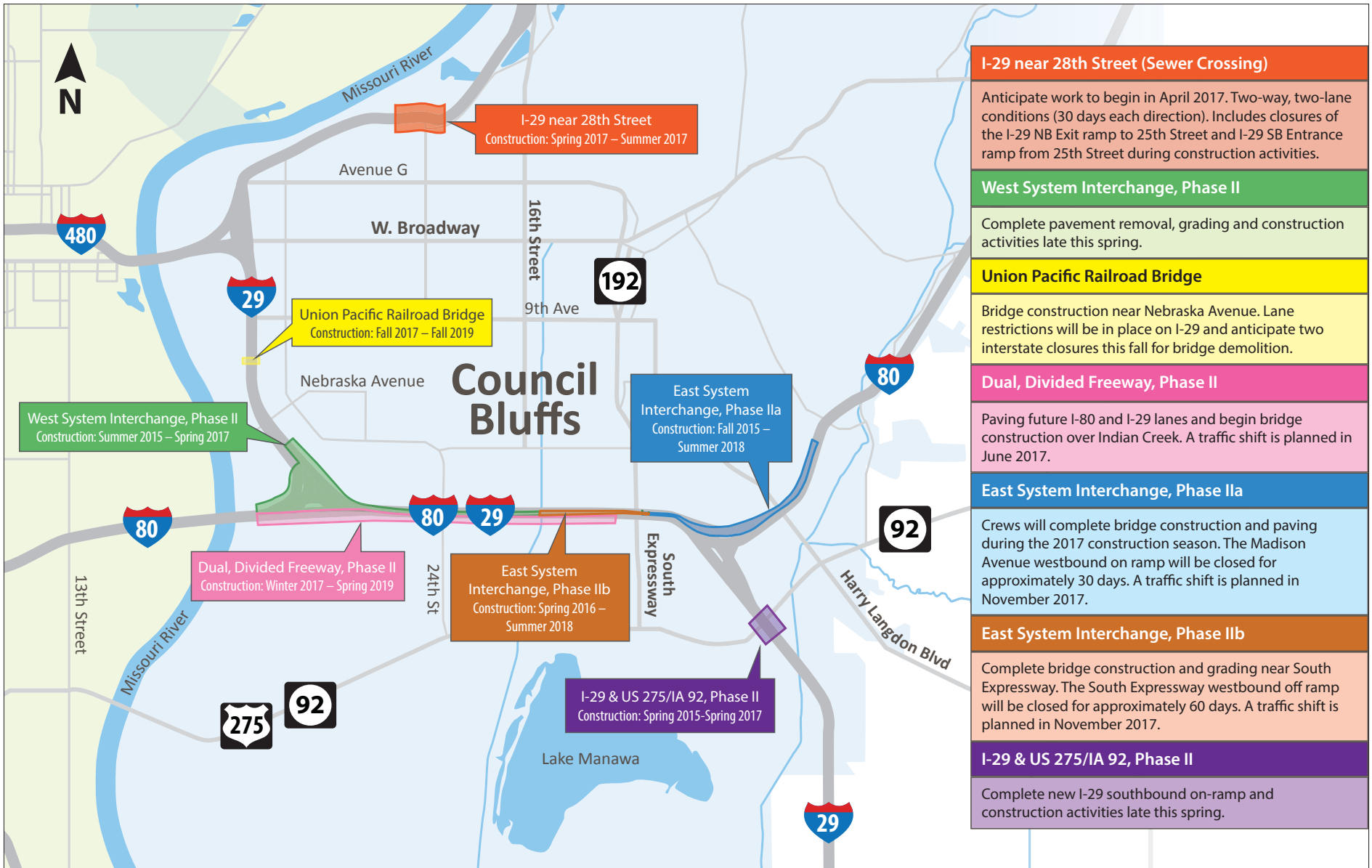
- » Construction of the tight urban diamond interchange.
- » Reconstruction of bridges over Madison Avenue.
- » Construction of longer acceleration lanes when merging onto I-80.

Construction is anticipated to begin in 2021 and will be completed in 2024.





2017 CONSTRUCTION PROJECTS

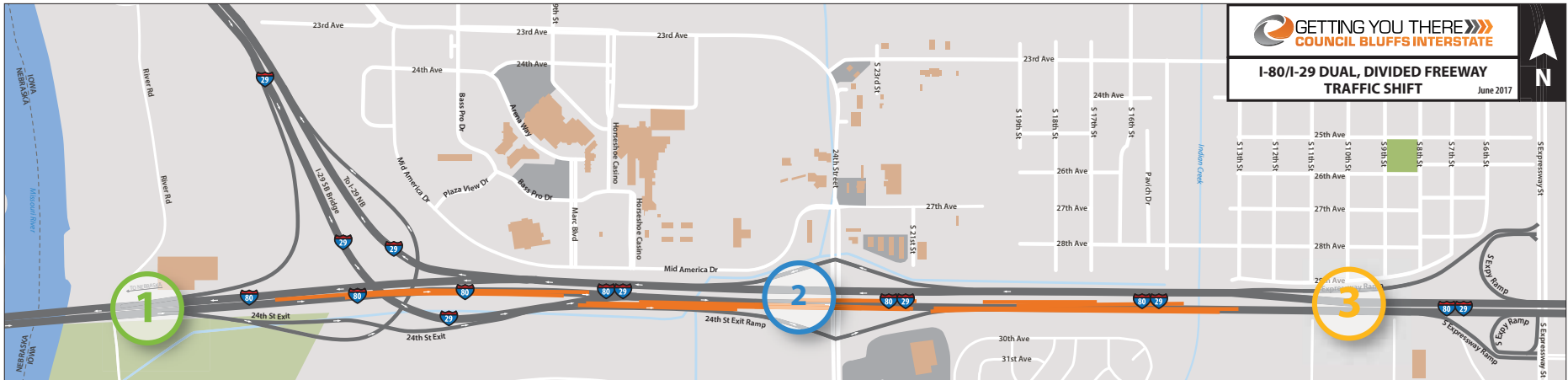


2017 DETOURS



I-29/I-80 DUAL, DIVIDED FREEWAY TRAFFIC SHIFT

2017 CONSTRUCTION AND TRAFFIC MOVEMENTS



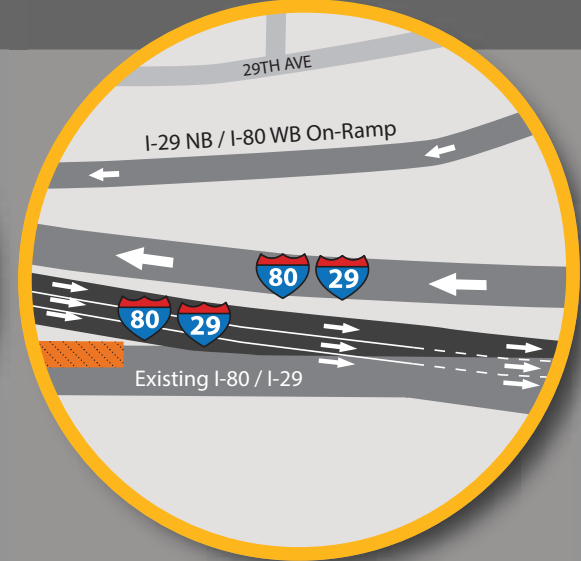
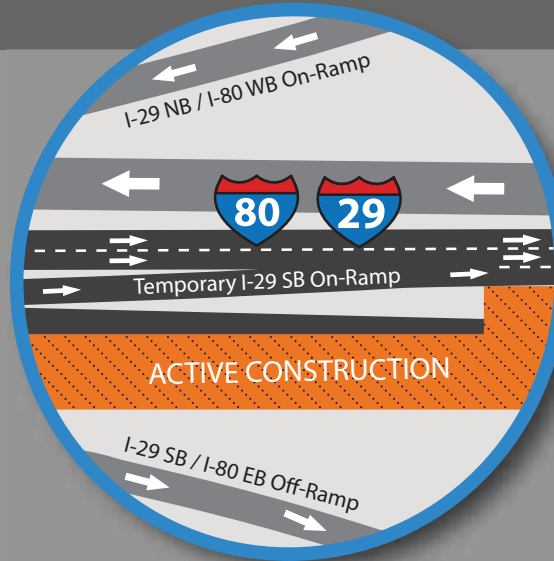
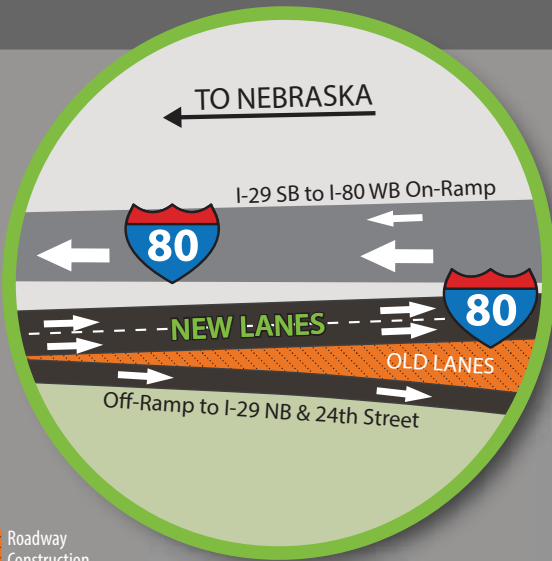
GETTING YOU THERE
COUNCIL BLUFFS INTERSTATE

I-80/I-29 DUAL, DIVIDED FREEWAY TRAFFIC SHIFT
June 2017

1 I-80 EASTBOUND
I-80 traffic will use newly constructed lanes located north of existing lanes.

2 24TH STREET ON-RAMP
The I-29 southbound ramp will join I-80 eastbound at a new temporary location.

3 I-80 EASTBOUND/I-29 SOUTHBOUND
Interstate traffic will shift back to existing lanes just west of South Expressway (Exit 3).



Roadway Construction

WHAT TO EXPECT

What can you expect during the construction season?



Noise



Increase truck/traffic hauling operations



Vibration



Traffic impacts



Dust



Lane shifts



Large equipment and materials



Lane closures and overnight interstate closures

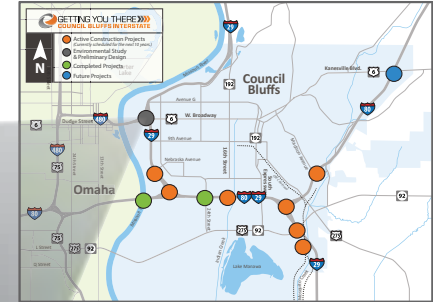
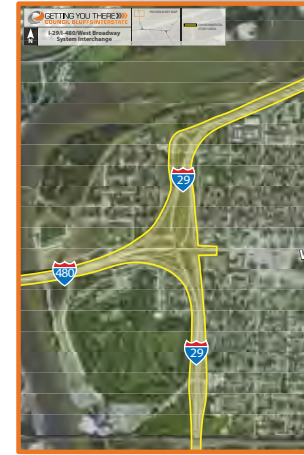
For any issues regarding construction impacts, please email us at info@CouncilBluffsInterstate.com or call us at **712.326.3712**.














I-29/I-480/WEST BROADWAY SYSTEM INTERCHANGE

Reconstruction will address capacity needs, improve safety, and correct functional design issues.

Currently conducting environmental studies and conceptual design to identify a single preferred alternative to carry forward into a construction project.



Project Development Milestones	2016	2017	2018	2019	2020
Environmental Studies					
Interim Project: Construction					
Project Design					
Right-of-Way Acquisition					
Anticipated Construction Start					



I-29/I-480/WEST BROADWAY SYSTEM INTERCHANGE DESIGN CONCEPTS

DESIGN CONCEPTS

Both Design Concepts Under Consideration Include:

- » Reconstruction of the interchange between I-29 and I-480
- » A combined interchange system connected by one-way frontage roads
- » Access between 9th Ave. and I-480 is provided by slip ramps, similar to existing conditions
- » The 41st St. interchange will be relocated to 40th St. and will provide direct access to I-480 and West Broadway
- » Removal of the interchange at 35th St.

CONCEPT 1



Concept 1 also includes:

- » Combined interchange system connects 9th Ave., 2nd Ave., West Broadway, and Ave. G
- » One-way frontage roadways will provide access between I-29 and West Broadway

CONCEPT 2



Concept 2 also includes:

- » Combined interchange system connects 9th Ave., 2nd Ave., and West Broadway
- » One-way frontage roadways will provide access between I-29 and West Broadway from 9th Ave.
- » Interstate ramps north of West Broadway will provide access between I-29 and West Broadway
- » Removes Dodge Riverside Dr., which would be served by the southbound frontage road between West Broadway and 9th Ave.
- » Removal of the interchange at Ave. G

NEAR 24TH STREET



DUAL, DIVIDED FREEWAY SIGNAGE

Although the Dual, Divided Freeway will not be completed until 2021, changes to interstate signage will become evident as phases are completed. Shown below are renderings of the overhead signs near the 24th Street off ramps.

ORIGINAL: 24TH STREET



FUTURE: 24TH STREET



Facing direction of signs for westbound lanes is reversed for visualization.

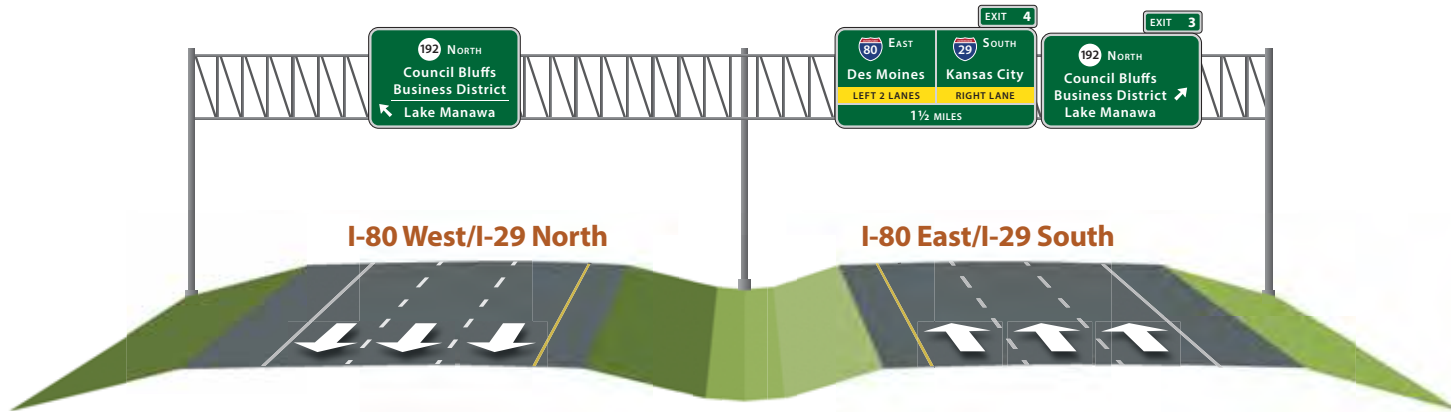
NEAR SOUTH EXPRESSWAY



DUAL, DIVIDED FREEWAY SIGNAGE

Although the Dual, Divided Freeway will not be completed until 2021, changes to interstate signage will become evident as phases are completed. Shown below are renderings of the overhead signs near the South Expressway off ramps.

ORIGINAL: SOUTH EXPRESSWAY

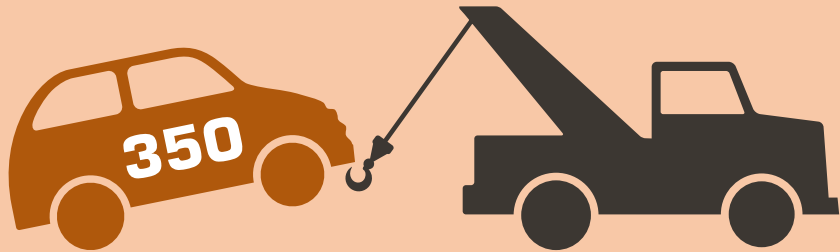


FUTURE: SOUTH EXPRESSWAY



Facing direction of signs for westbound lanes is reversed for visualization.

WORK ZONE SAFETY



Every year, motorists cause **350** work zone crashes in Iowa.

With nearly one work zone accident occurring every day, **don't let today be YOUR day.**

- » Slow down.
- » Stay alert.
- » Obey the signs.
- » Keep your distance.
- » Pay attention.

EXPECT THE UNEXPECTED!



BUSINESS MATTERS

Stay informed...we have tools and resources to keep you and your patrons moving during construction.

- » Program website.
- » Email and text alerts.
- » Program newsletter.
- » Program resources to display in your business/organization.









SIGN UP FOR TRAFFIC ALERTS

**GETTING YOU THERE...
PLAN AHEAD... AVOID THE TRAFFIC!**

Iowa DOT's 511 Information System allows you to receive real-time traffic updates:

- » 511 is on social media.  
- » Download the mobile app.  
- » Sign up for personalized text or email alerts at ***www.511ia.org***.
- » Sign up for 511 alerts at today's meeting.



Traveler Information
www.511ia.org or dial 511



GET INVOLVED

PLAN AHEAD... AVOID THE TRAFFIC!

To stay informed on project developments or learn about upcoming public events:

VISIT THE PROGRAM WEBSITE:

www.CouncilBluffsInterstate.iowaDOT.gov

FOLLOW US ON SOCIAL MEDIA:



VISIT THE PROGRAM OFFICE:

Mall of the Bluffs
1751 Madison Avenue, Suite 750
Council Bluffs, IA 51503

Open 8:00 a.m.-5:00 p.m. Monday-Friday

(Enter on the east side of the Mall; parking is located on the east side of the Dillard's Clearance Store.)

EMAIL US:

info@CouncilBluffsInterstate.com

CALL US:

712.326.3712



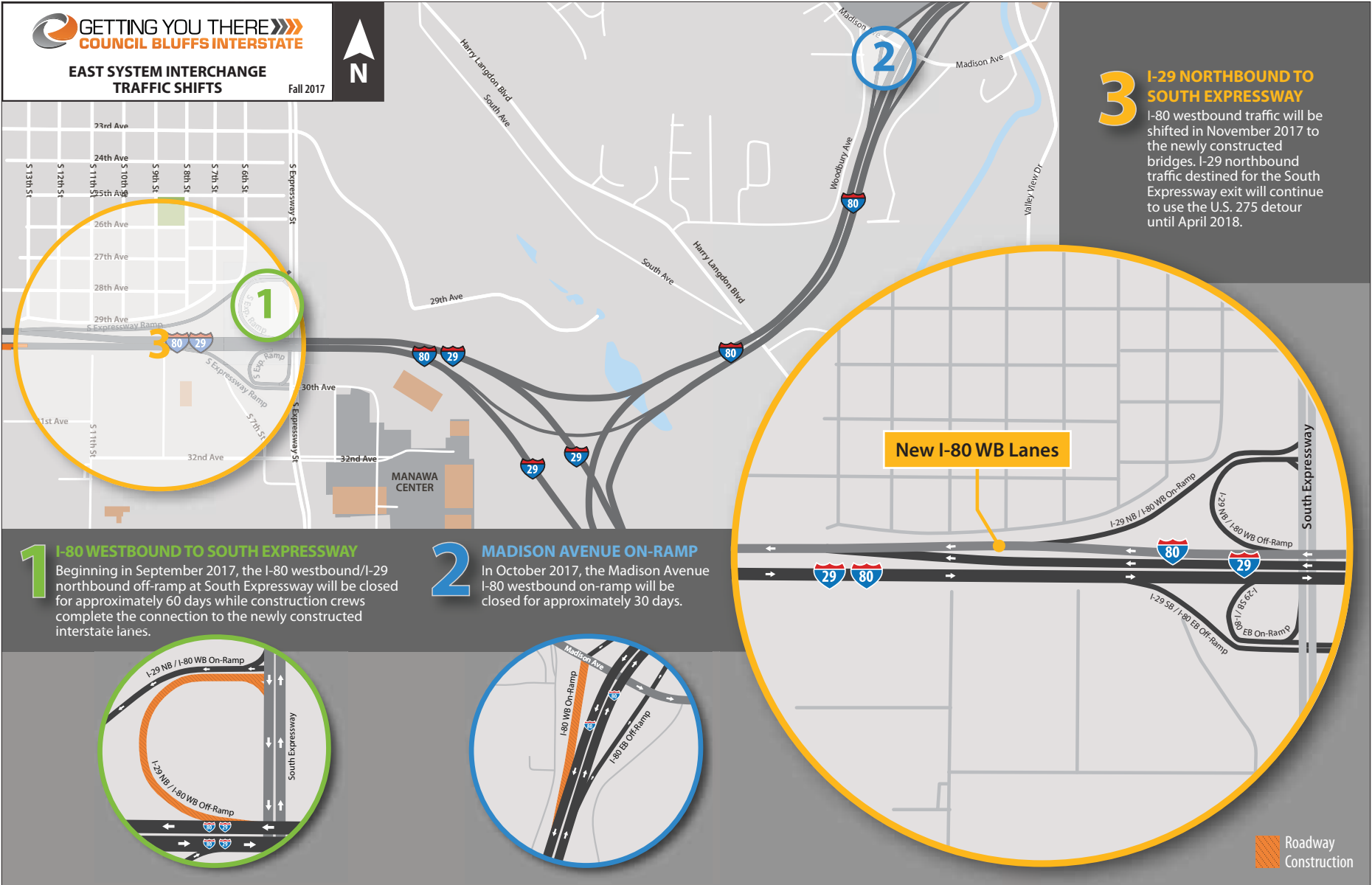
EAST SYSTEM INTERCHANGE TRAFFIC SHIFTS

2017 CONSTRUCTION AND TRAFFIC MOVEMENTS



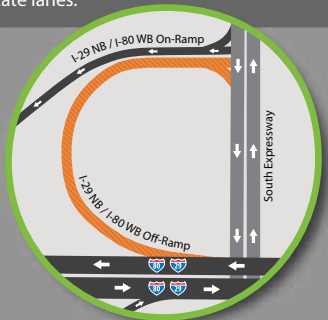
EAST SYSTEM INTERCHANGE TRAFFIC SHIFTS

Fall 2017

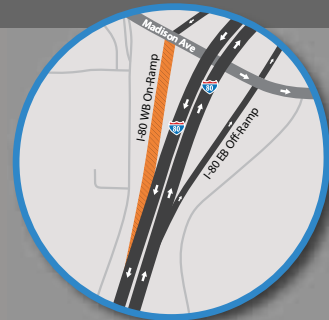


3 I-29 NORTHBOUND TO SOUTH EXPRESSWAY
 I-80 westbound traffic will be shifted in November 2017 to the newly constructed bridges. I-29 northbound traffic destined for the South Expressway exit will continue to use the U.S. 275 detour until April 2018.

1 I-80 WESTBOUND TO SOUTH EXPRESSWAY
 Beginning in September 2017, the I-80 westbound/I-29 northbound off-ramp at South Expressway will be closed for approximately 60 days while construction crews complete the connection to the newly constructed interstate lanes.



2 MADISON AVENUE ON-RAMP
 In October 2017, the Madison Avenue I-80 westbound on-ramp will be closed for approximately 30 days.



New I-80 WB Lanes

Roadway Construction