



 GETTING YOU THERE 
COUNCIL BLUFFS INTERSTATE



2014
ANNUAL REPORT

COUNCIL BLUFFS INTERSTATE SYSTEM

**Images on cover page,
counterclockwise from the top left:**

- » The Council Bluffs Interstate System Improvement Program participated in Celebrate CB in 2014 to engage with the community
- » The I-80 bridge connecting Omaha and Council Bluffs over the Missouri River was completed in 2012
- » The I-29 northbound ramp was completed in fall 2014
- » West System Interchange - I-29 northbound ramp



Prepared by the
**Iowa Department
of Transportation**



Bridge girders for the I-29 northbound ramp of the
West System Interchange



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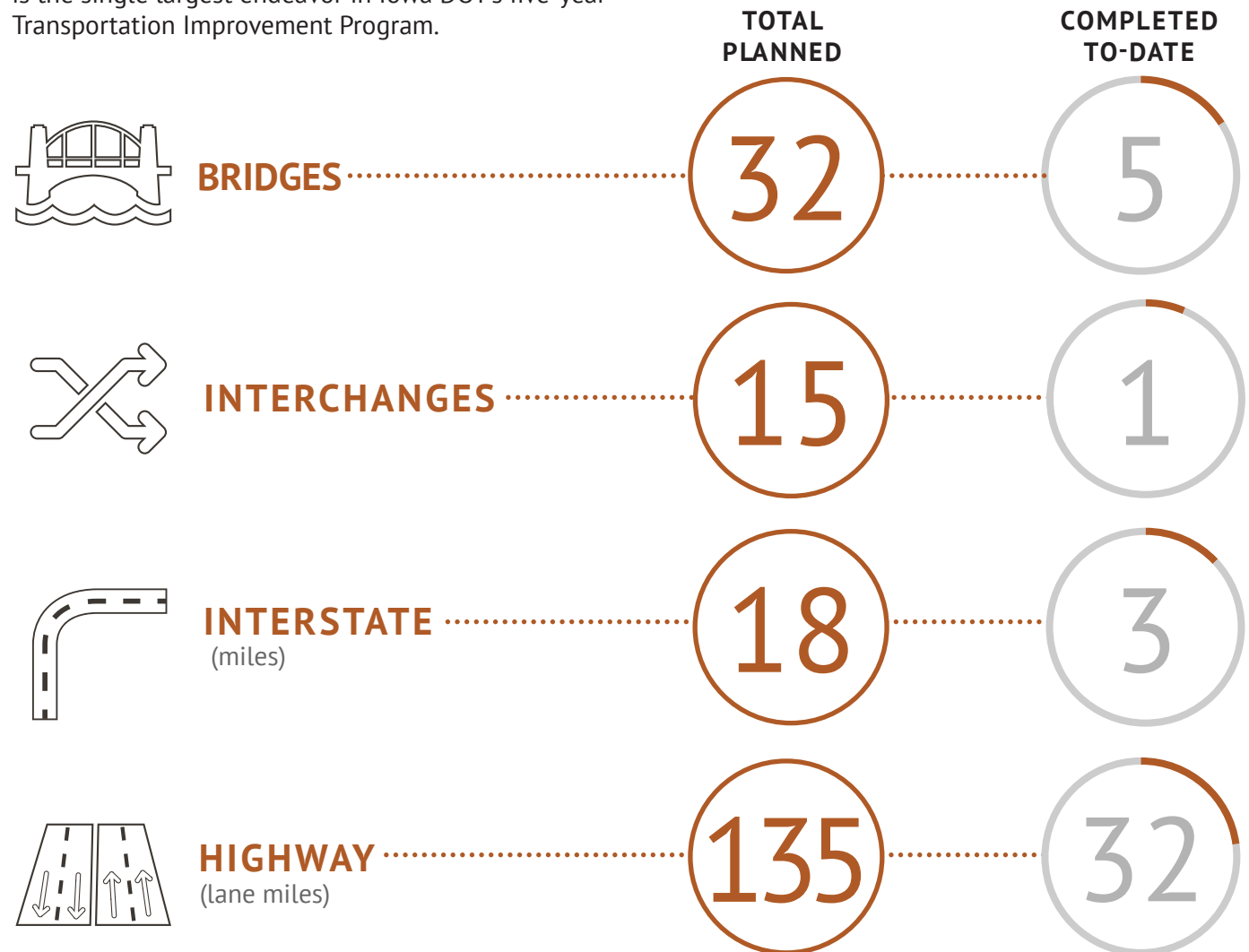
PROGRAM OVERVIEW

Iowa DOT is in the process of reconstructing I-80, I-29 and I-480 in the Council Bluffs/Omaha metropolitan area. This comprehensive interstate redesign, known as the Council Bluffs Interstate System Improvement Program, will modernize the highway system and improve mobility and safety in the area.

The Council Bluffs Interstate System Improvement Program is the single largest endeavor in Iowa DOT's five-year Transportation Improvement Program.

PROGRAM GOALS

- Modernize 18 miles of interstate
- Accommodate planned development along the Corridors
- Reduce traffic congestion
- Improve the visual landscape



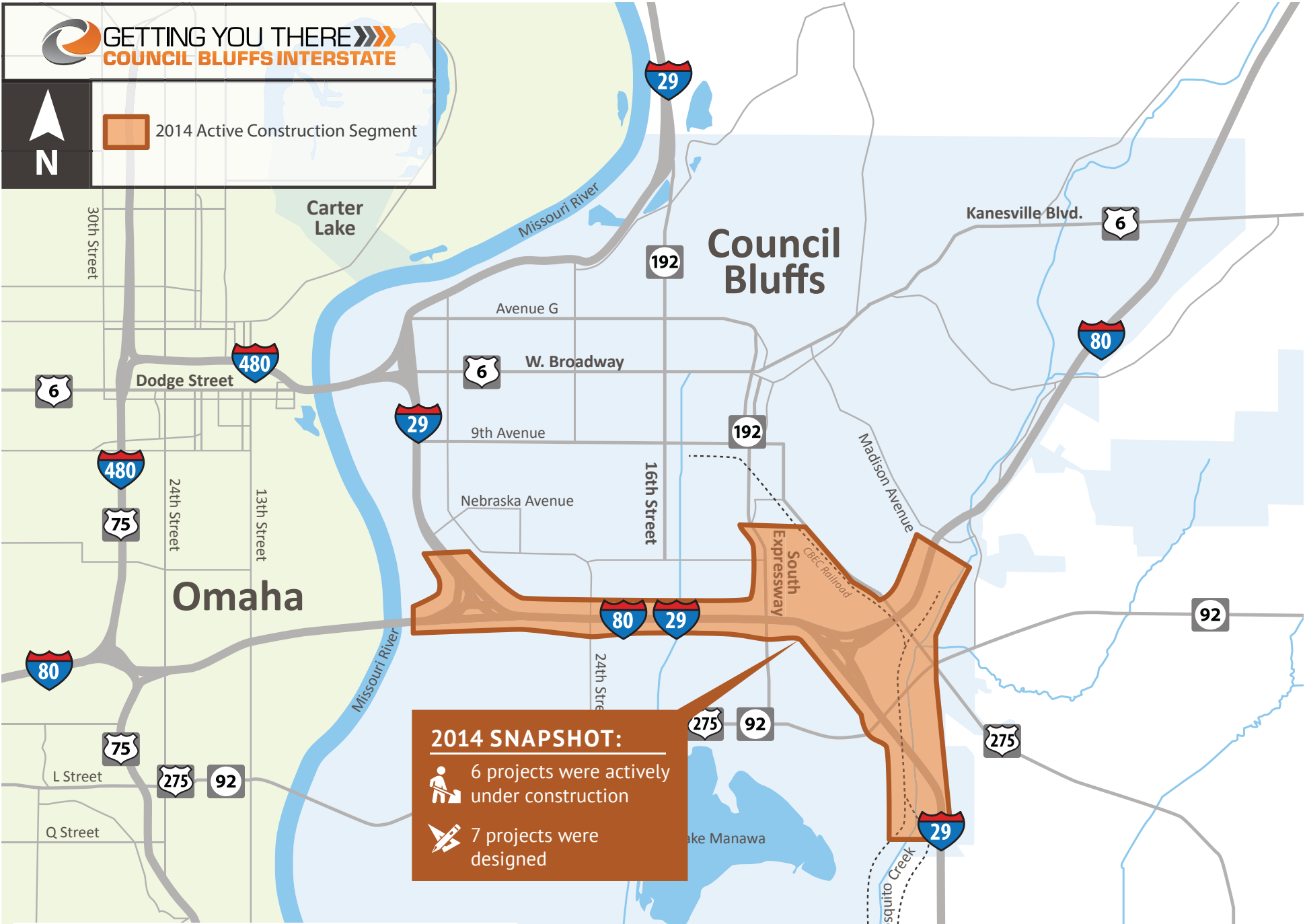
Bridge construction for the new U.S. 275/Iowa 92 westbound lanes

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COUNCIL BLUFFS INTERSTATE

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2014 Active Construction Segment



2014 SNAPSHOT:

- 6 projects were actively under construction
- 7 projects were designed

Program Highlights

The construction projects below were prioritized based on the highest volume of vehicles and benefits in terms of traffic management, improved safety and increased vehicle capacity in the urban area of the interstate system.

The Council Bluffs Interstate System Improvement Program has identified several future projects that are necessary to satisfy the overall mission of the program.

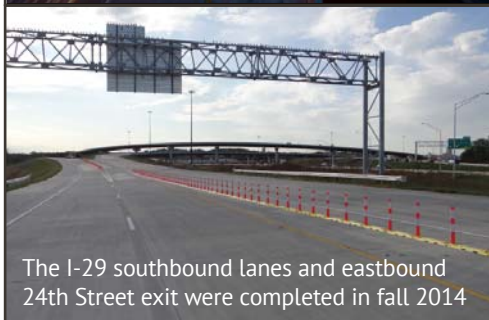
Map Key: The numbered dots on the map refer to the 'ID' column in the table below and to the right



Completed projects

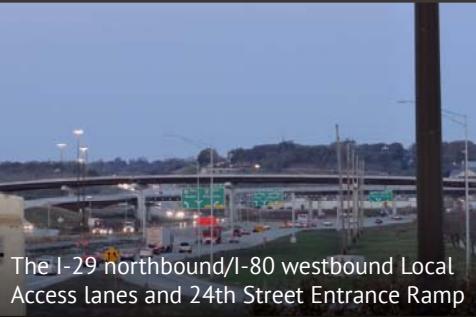


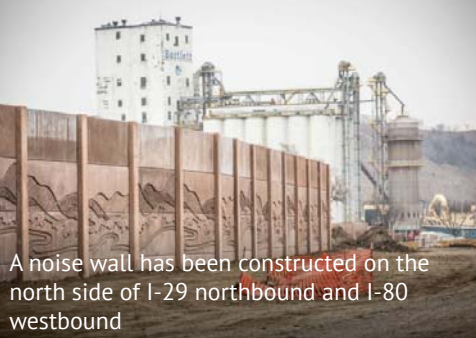


| ID | Highlights | Estimated vs. Actual cost and construction time |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <p>Project: West System Interchange, Phase I</p> <p>Highlights: Completed I-29 northbound and southbound overpasses</p> | <p>COST Estimated: \$26M Spent To-Date: \$25M</p> <p>TIME Estimated: 2 years, 3 months Spent To-Date: 2 years, 3 months</p> |
| 2 | <p>Project: West System Interchange, Phase I</p> <p>Highlights: Completed new 24th Street eastbound exit ramp</p> | <p>COST Estimated: \$19M Spent To-Date: \$20M</p> <p>TIME Estimated: 2 years, 4 months Spent To-Date: 2 years, 4 months</p> |





Active projects


| | ID | Highlights | Estimated vs. Actual cost and construction time |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>The I-29 northbound/I-80 westbound Local Access lanes and 24th Street Entrance Ramp</p> | 3 | <p>Project: I-80/I-29 Dual, Divided Freeway, Phase I</p> <p>Highlights: Completed I-29 northbound/I-80 westbound lanes and 24th Street entrance and exit ramps</p> | <p>COST Estimated: \$15M Spent To-Date: \$14M</p> <p>TIME Estimated: 1 year, 6 months Status To-Date: 86%</p> |
|  <p>The demolition of the IA 92 bridge over Mosquito Creek</p> | 4 | <p>Project: U.S. 275/Iowa 92 Interchange, Phase I</p> <p>Highlights: Launched construction and began installation of girders for new westbound bridge</p> | <p>COST Estimated: \$88M Spent To-Date: \$53M</p> <p>TIME Estimated: 1 year, 11 months Status: 59%</p> |
|  <p>Paving of 29th Avenue was completed in December 2014</p> | 5 | <p>Project: East System Interchange, Phase I</p> <p>Highlights: Launched construction and completed grading/paving of 29th & 23rd Avenues</p> | <p>COST Estimated: \$13M Spent To-Date: \$5M</p> <p>TIME Estimated: 1 year, 8 months Status: 33%</p> |
|  <p>A noise wall has been constructed on the north side of I-29 northbound and I-80 westbound</p> | 6 | <p>Project: I-80/I-29 Dual, Divided Freeway, Phase I</p> <p>Highlights: Completed pavement of alleyway and grading for new ramps and lanes, and began construction of noise wall on I-29 northbound from Indian Creek to Iowa 192/South Expressway</p> | <p>COST Estimated: \$11M Spent To-Date: \$7M</p> <p>TIME Estimated: 1 year, 8 months Status: 64%</p> |

2014 PROJECT SPOTLIGHT

West System Interchange Phase I

Reconstruction of the West System Interchange will provide for efficient and safe vehicle movement on both I-29 and I-80 systems. An increase in the number of travel lanes and separation for both I-80 and I-29 will allow motorists to reduce the number of lane changes needed between I-80 and I-29.

The project includes full reconstruction of the system to system interchange, providing full access from I-80 and I-29 to the I-80 express lanes and the I-80/I-29 local lanes in the dual, divided freeway.



The new I-29 southbound and northbound ramps were opened in the fall of 2014, an important milestone for the Council Bluffs Interstate System Improvement Program. The next phase of work for the West System Interchange will begin this summer 2015.

Council Bluffs Interstate System Improvement Program construction started in 2008 and is ongoing. Numerous projects will be constructed to fully implement the complete vision of the improvement program over the next seven to 10 years. Individual projects are being strategically grouped and completed to maximize improvements to the system while simultaneously minimizing the impacts of construction to Council Bluffs residents and the traveling public.

Accelerated Schedule

The new approach allows the program team to receive feedback from the public and contracting community in a variety of ways and gives the team multiple opportunities to apply that feedback toward improving program delivery. Ultimately, this means Iowa DOT will produce a better interstate system more quickly and with fewer impacts to the traveling public.

2014 SNAPSHOT

| | Winter | Spring | Summer | Fall |
|--------------------------------------------------|--------|--------|--------|------|
| PROJECTS | | | | |
| West System Interchange (Phase I) | | | | |
| West System Interchange (Phase I) | | | | |
| I-80/I-29 Dual, Divided Freeway (Phase I) | | | | |
| I-80/I-29 Dual, Divided Freeway (Phase I) | | | | |
| I-29 and U.S. 275/Iowa 92 Interchange (Phase I) | | | | |
| East System Interchange (Phase I) | | | | |
| I-29 and U.S. 275/Iowa 92 Interchange (Phase II) | | | | |
| Railroad Relocation | | | | |
| NDOR I-80: 24th Street to 13th Street | | | | |
| West System Interchange (Phase II) | | | | |
| East System Interchange (Phase II) | | | | |

Design Construction

RELATED WORK

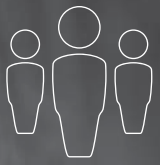
I-80 Pavement Replacement



The I-80 Pavement Replacement project was completed in 2014

Iowa DOT completed improvements to the I-80 westbound lanes just east of the Madison Avenue interchange in Council Bluffs in the summer 2014. The subsurface drainage system led to an uneven roadway surface and degradation of the pavement in this area.

To prevent this issue from reoccurring the existing pavement was replaced and the subsurface drainage system was improved. Construction began in August 2014 and was completed in two months.



PUBLIC OUTREACH

= 25 people



The Program Launch public meeting was held to inform the community about changes to the overall program and the construction schedule

2 Public Meetings

The Program Launch meeting was held in January 2014 and a meeting for the I-29 & U.S. 275/IA 92 Construction project was held in March 2014.

259 attendees



Staff attended community events, such as LoessFest, to educate the public about the program

5 Community Events

The Program hosted booths at Farmer's Market's, Celebrate CB, LoessFest, Westfair, and Iowa League of Cities in 2014 to provide the public information about the Program.

353 attendees



A guest speaker, giving a presentation at Metro Community College

16 Guest Speaker Presentations

The Program responded to several requests to speak at civic group meetings and other venues to inform interested stakeholders of the Program and answer their questions.

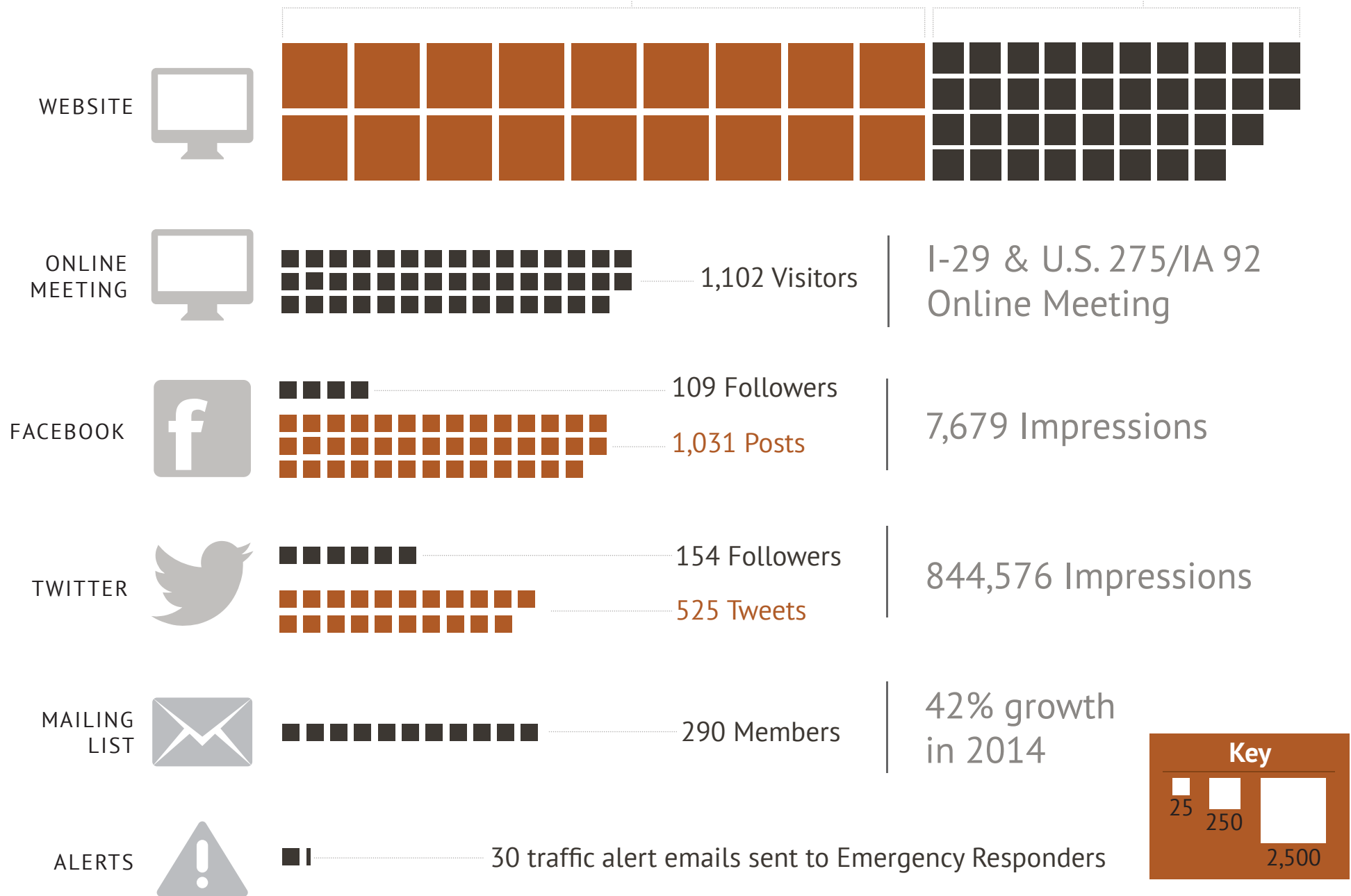
304 attendees

A map of the Council Bluffs Interstate Improvement Program at the Program Launch Public Meeting.

ONLINE ENGAGEMENT

46,744 Pageviews

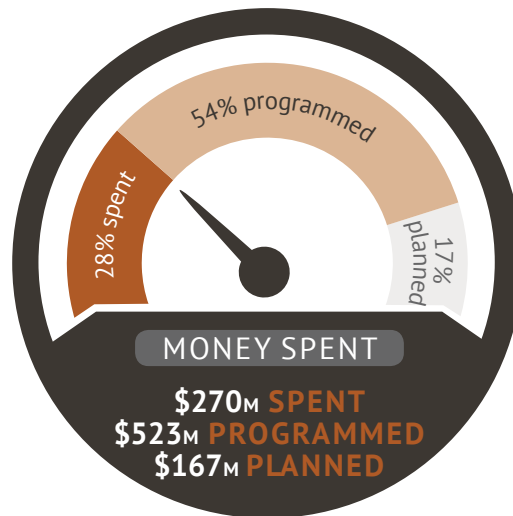
9,458 Visitors





PROGRAM STATUS

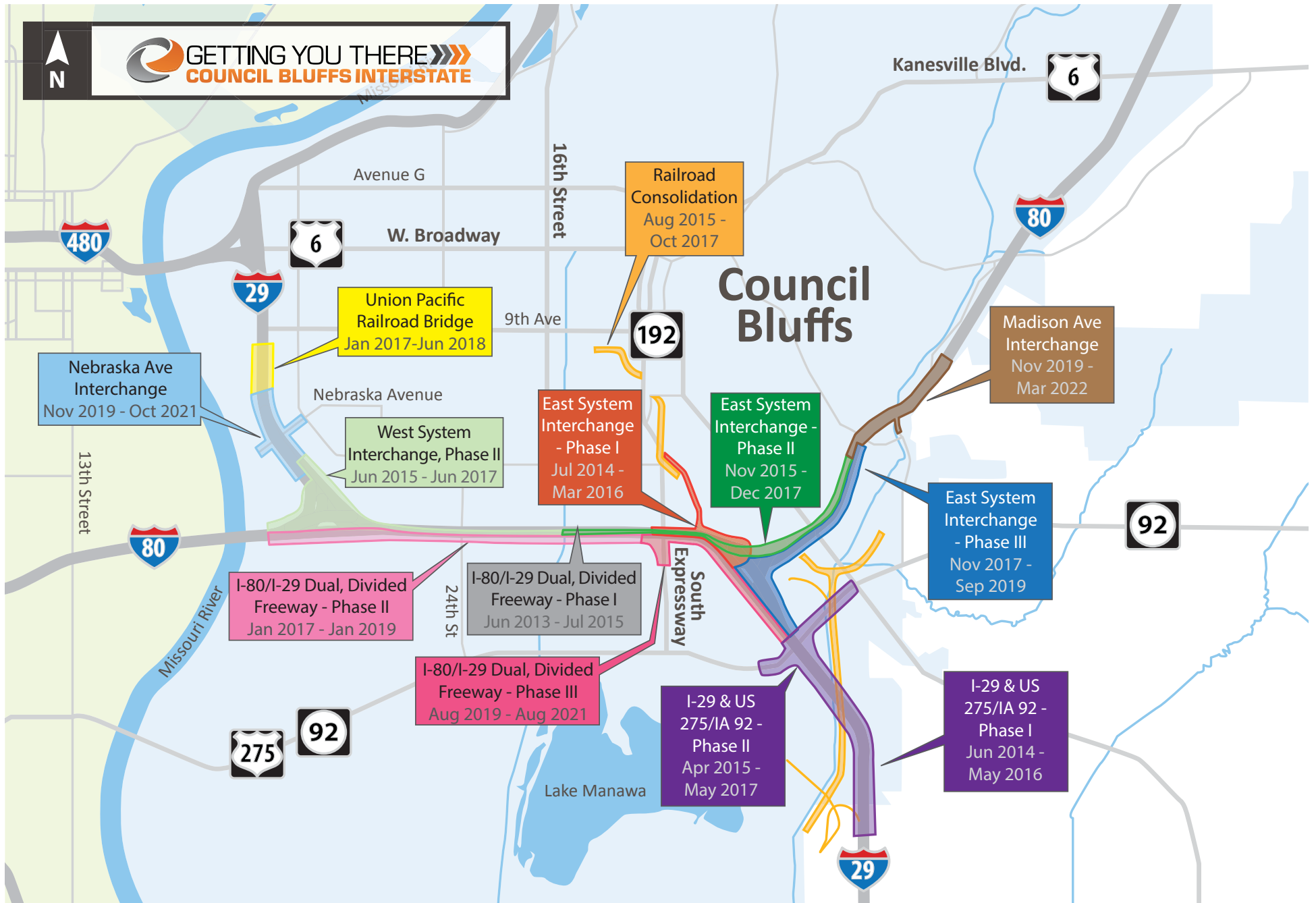
The Iowa Transportation Commission and DOT recognizes that the Council Bluffs Interstate System Improvement Program is the largest interstate highway funding effort in the state's history. To successfully implement this Program, the Iowa DOT will look for all opportunities to effectively and efficiently turn this significant commitment of resources into successfully implemented highway improvement projects.



DOLLARS ALLOCATED PER YEAR



MSE Wall Construction near I-29 and U.S. 275/IA 92





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 2014.



209,000

Square feet of bridge deck poured

The I-29 northbound ramp during construction



Reinforced steel for the I-29 northbound Ramp Construction



400

Construction workers



10,000

Linear feet of pipe



3,000

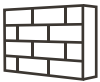
Tons of reinforced steel




71

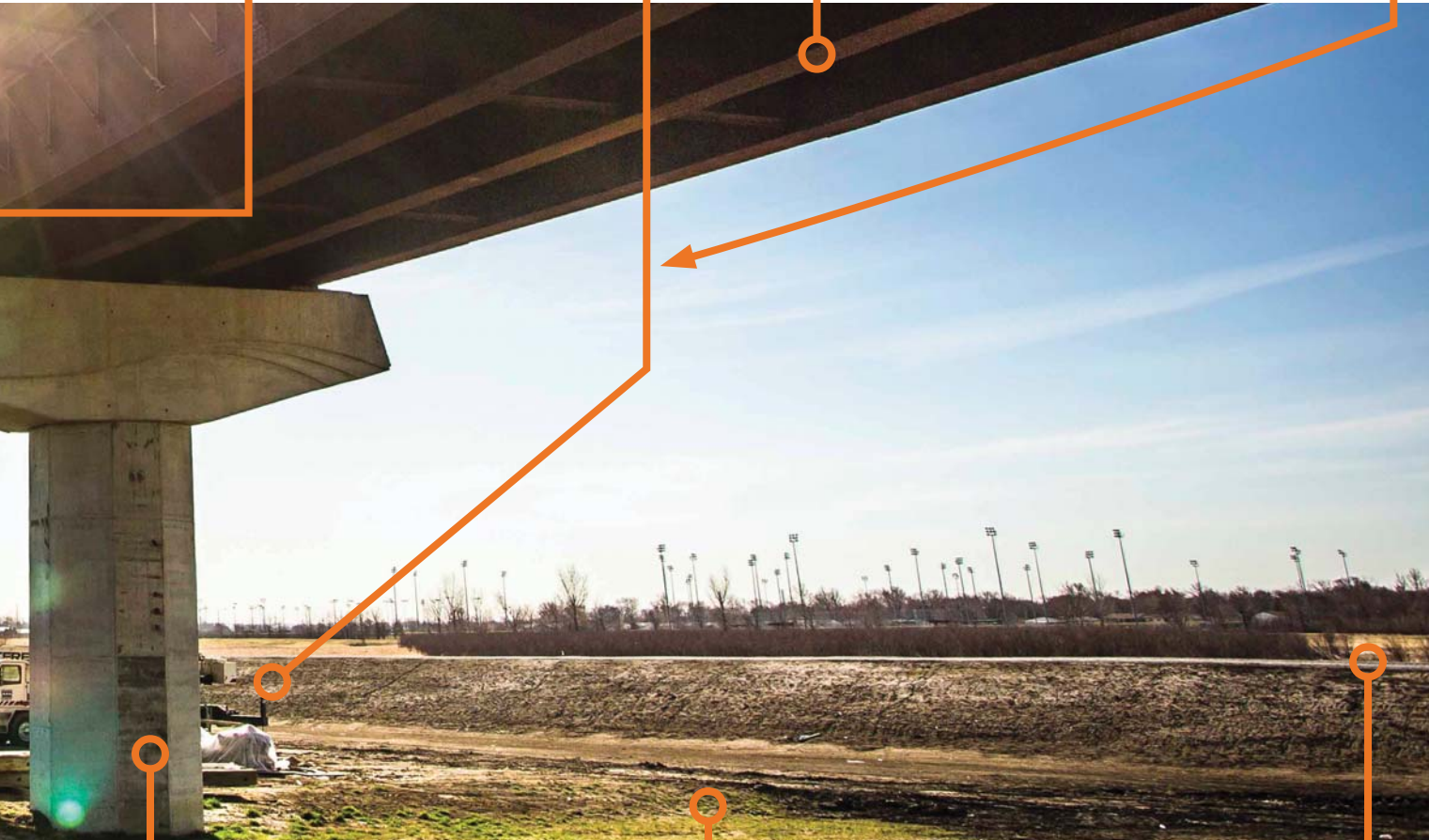
Storm drains

 **720,000**
Hours worked

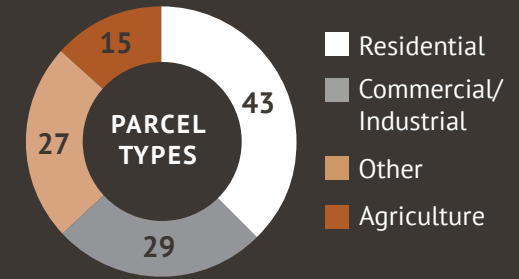
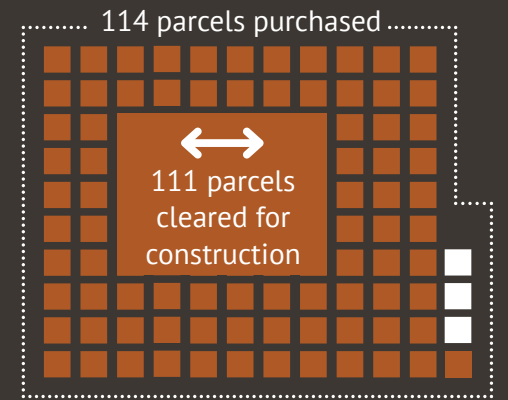
 **3,000**
Linear feet of retaining wall

 **5,000**
Tons of structural steel for bridges

 **14** Lane-miles of completed lanes



RIGHT-OF-WAY



 **78,000**
Cubic yards of concrete poured

 **1,000,000**
Cubic yards of earthwork moved

 **2,000**
Linear feet of noise wall



MOVING FORWARD

Construction projects are prioritized based on the highest volume of vehicles and benefits in terms of traffic management, improved safety and increased vehicle capacity in the urban area of the interstate system. The Council Bluffs Interstate System Improvement Program has identified several future projects that are necessary to satisfy the overall mission of the program.

Future projects include construction on I-29 north of the Union Pacific Railroad Bridge to a point just west of 25th Street. Currently, the plans for this project include the I-29/I-480/West Broadway


system interchange and interchanges at 41st Street, Avenue G, Ninth Avenue and 35th Street. Two concepts are under consideration for these project improvements. Both concepts provide direct access to West Broadway from I-29 via one-way frontage roads as determined in the Tier 1 Final Environmental Impact Statement.

Another future project addressed in the Tier 1 Final EIS is extending I-80 improvements northeast of the Madison Avenue interchange to east of the U.S. 6/Kanesville Boulevard interchange.




ACTIVE PROJECTS IN 2015

| Project Name | Type of work scheduled for 2015 |
|--------------------------------------------------|---------------------------------|
| I-80/I-29 Dual, Divided Freeway (Phase I) | Construction |
| I-29 and U.S. 275/Iowa 92 Interchange (Phase I) | Construction |
| East System Interchange (Phase I) | Construction |
| I-29 and U.S. 275/Iowa 92 Interchange (Phase II) | Construction |
| Railroad Relocation | Design and construction |
| West System Interchange (Phase II) | Design and construction |
| East System Interchange (Phase II) | Design and construction |
| Nebraska Avenue Interchange | Design |
| Union Pacific Railroad Bridge | Design |
| East System Interchange (Phase III) | Design |
| I-80/I-29 Dual, Divided Freeway (Phase II) | Design |

The I-29 northbound lanes at U.S. 275/IA 92

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COUNCIL BLUFFS INTERSTATE

 Future Projects
 2015 Activity
 Completed Projects

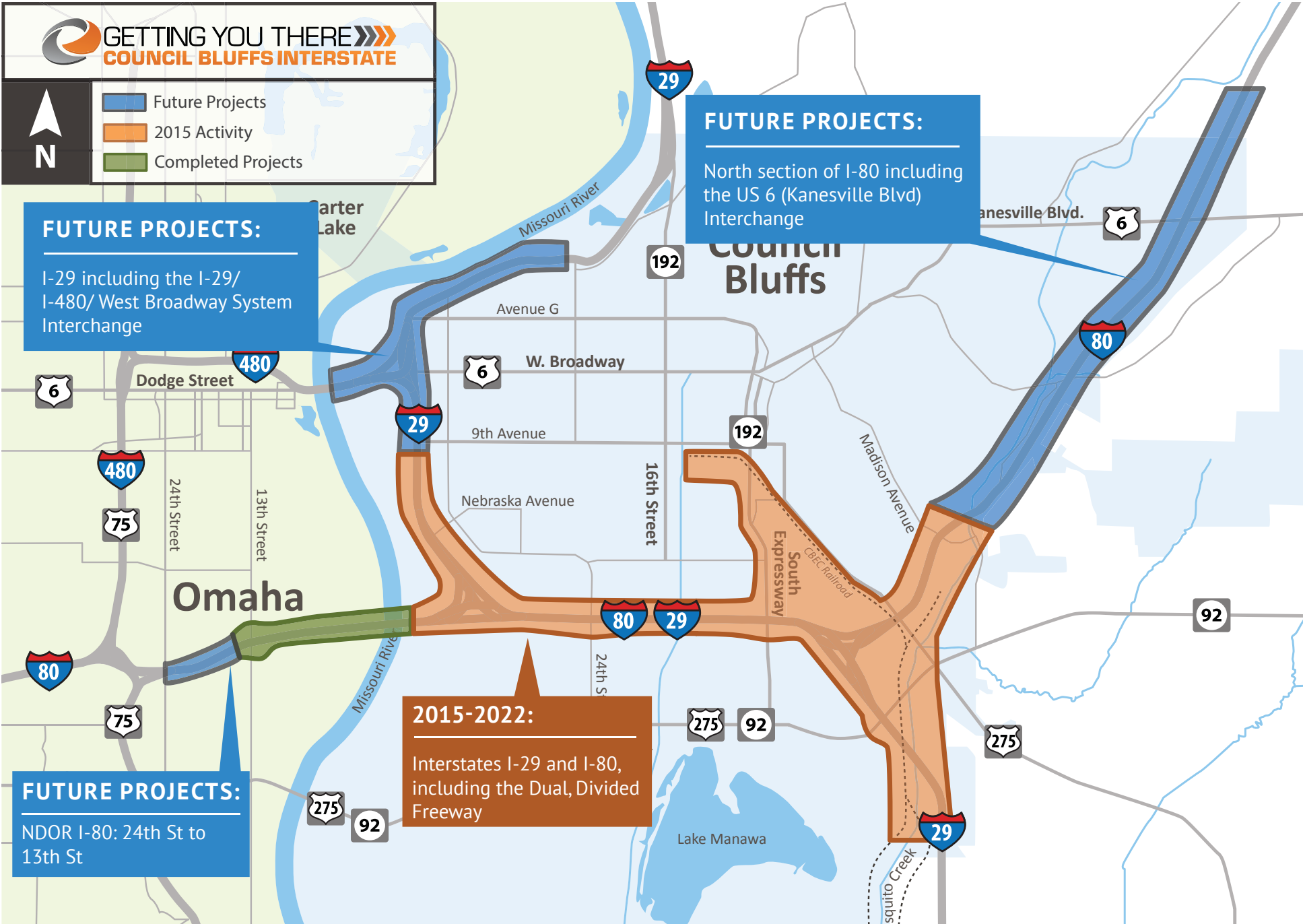
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FUTURE PROJECTS:
 I-29 including the I-29/
 I-480/ West Broadway System
 Interchange










FUTURE PROJECTS:
 NDOR I-80: 24th St to
 13th St

2015-2022:
 Interstates I-29 and I-80,
 including the Dual, Divided
 Freeway

FUTURE PROJECTS:
 North section of I-80 including
 the US 6 (Kanesville Blvd)
 Interchange



Key 2015 Projects

| | Status | Highlights | Estimated vs. Actual cost and construction time |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Bridge girders for the U.S. 275/IA 92 bridge were set during an over night closure of I-29</p> | In Progress | <p>Project includes: I-29 and U.S. 275/Iowa 92 Interchange (Phase I)</p> <p>Highlight: Westbound lanes and bridge will be reconstructed and opened to traffic.</p> | <p>COST  Estimated: \$88M Spent To-Date: \$53M</p> <p>TIME  Estimated: 1 year, 11 months Status: 59%</p> |
|  <p>An aerial view of the East System Interchange</p> | In Progress | <p>Project Includes: East System Interchange (Phase I)</p> <p>Highlight: 1,132,209 cubic yards of earthwork will be coming in for embankment and grading work this spring.</p> | <p>COST  Estimated: \$13M Spent To-Date: \$5M</p> <p>TIME  Estimated: 1 year, 8 months Status: 34%</p> |
|  <p>Phase II for the I-29 and U.S. 275/Iowa 92 Interchange will begin in spring 2015</p> | Beginning spring 2015 | <p>Project includes: I-29 and U.S. 275/Iowa 92 Interchange (Phase II)</p> <p>Highlight: The eastbound bridge and lanes will be demolished and northbound ramps will be constructed.</p> | <p>COST  Estimated*: \$50M Spent To-Date: N/A</p> <p>TIME  Estimated*: 2 years, 1 month Status: Construction begins Spring 2015</p> |
|  <p>The I-80 eastbound lanes at the West System Interchange in the evening</p> | Beginning summer 2015 | <p>Project includes: West System Interchange (Phase III)</p> <p>Highlight: Grading for future westbound I-80 express lanes and bridge construction will begin.</p> | <p>COST  Estimated*: \$29M Spent To-Date: N/A</p> <p>TIME  Estimated*: 2 years Status: Construction begins Summer 2015</p> |

*Project not yet let, estimated cost and schedule may change

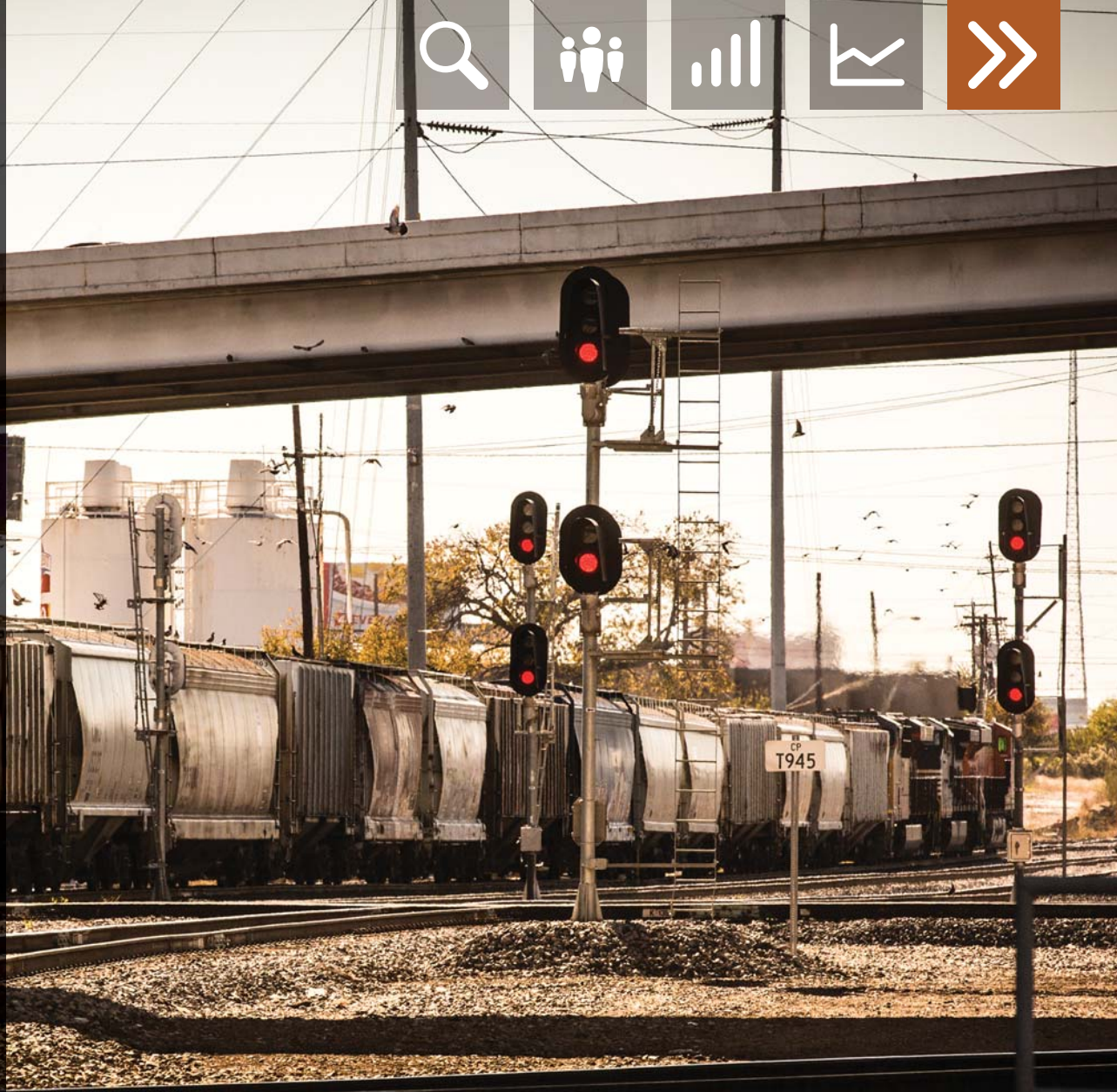


2015 PROJECT SPOTLIGHT

Railroad Relocation

The Railroad Relocation project consolidates the CBEC and BNSF railroad operations into a new common corridor west of Mosquito Creek under I-29 and Iowa 92.

This will improve operations at the South Expressway interchange and greatly reduce roadway/railway conflicts by consolidating railroad corridors and eliminating numerous at-grade rail crossings and the CBEC corridor that bisects Lewis Central High School. Improved railroad operations will allow select BNSF trains to bypass Council Bluffs.



The railroad relocation will consolidate railroads into a common corridor, reduce roadway railway conflicts, and eliminate several at-grade rail crossings



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