



GETTING 
YOU THERE

I-80/I-380 SYSTEMS INTERCHANGE

2019 ANNUAL REPORT

RIGHT: Girder Setting for Eastbound I-80 Flyover Ramp to Northbound I-380

ON THE COVER: Fall 2019 Drone View of I-80/I-380 Systems Interchange

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Steel girders over I-80

PROJECT OVERVIEW

The project is located in Johnson County at the junction of Interstate 80 (I-80), Interstate 380 (I-380) and United States Highway 218 (U.S. 218). The Systems Interchange is located within the cities of Coralville and Tiffin and serves the greater Iowa City metropolitan area.

As one of the busiest interchanges in the region, it is a vital link to the overall system for connectivity, mobility, freight travel and economic well-being. However, the current interchange is outdated and does not have capacity to reliably handle projected regional traffic and freight growth. Continued growth in the region poses a challenge that is being addressed through redesign and reconstruction.

The project replaces the four loops in the interchange with directional ramps. Interstate 380 will be widened to six lanes (and auxiliary lanes) from I-80 to approximately one mile north of the new Forevergreen Road Interchange, and U.S. 218/IA 27 will be widened to six lanes from I-80 to one mile south of I-80. The existing ramps, on which numerous rollovers and crashes have occurred over the years, will be replaced to improve mobility, safety and travel reliability.

MAJOR ACCOMPLISHMENTS

**NOV
2019**



Completion of Forevergreen Road Interchange

**JUNE
2019**



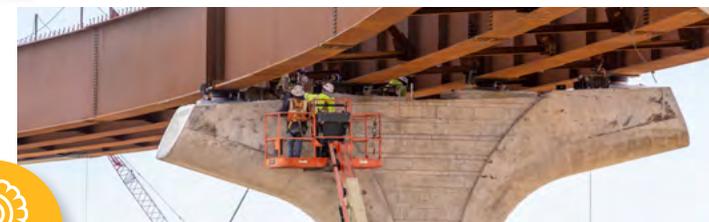
Realignment of Kansas Avenue SW

**NOV
2019**



Substantial completion of the widening of eastbound I-80 bridge over Clear Creek

**DEC
2019**



Girders set for a portion of the I-80 eastbound to I-380 northbound ramp

Project Benefits

The Iowa Department of Transportation (Iowa DOT) recognizes that the I-80/I-380 Systems Interchange is a major crossroads for the state of Iowa and the rest of the nation. As such, this project will:



Increase capacity and improve operations within the region



Reduce excessive congestion and improve safety



Improve travel reliability

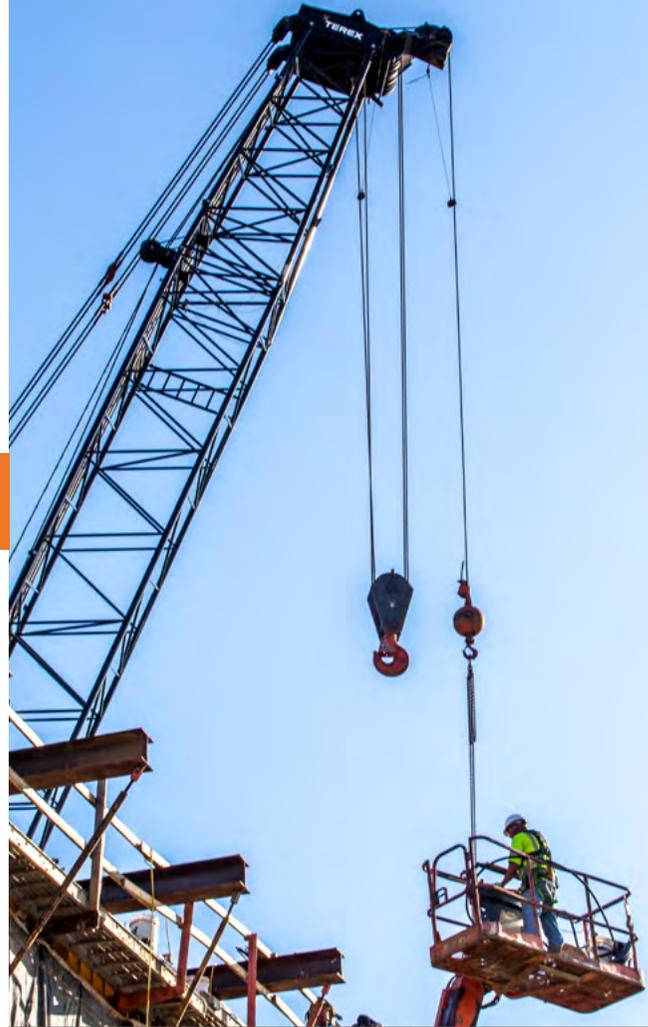
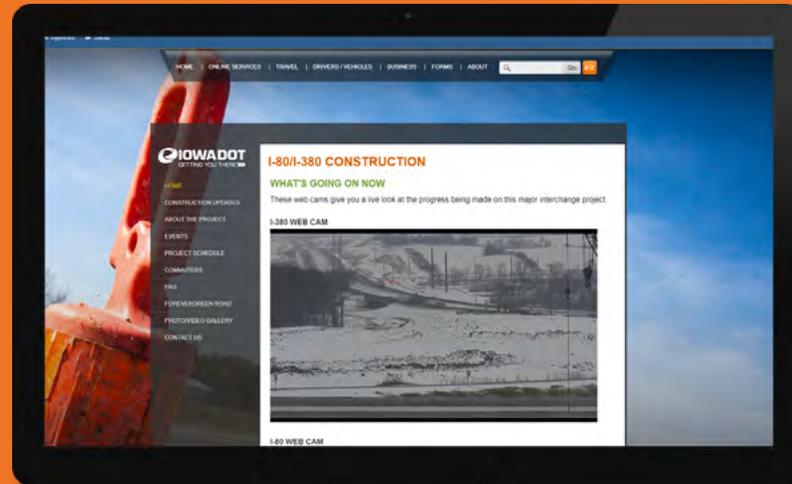


Support regional employment and economic growth

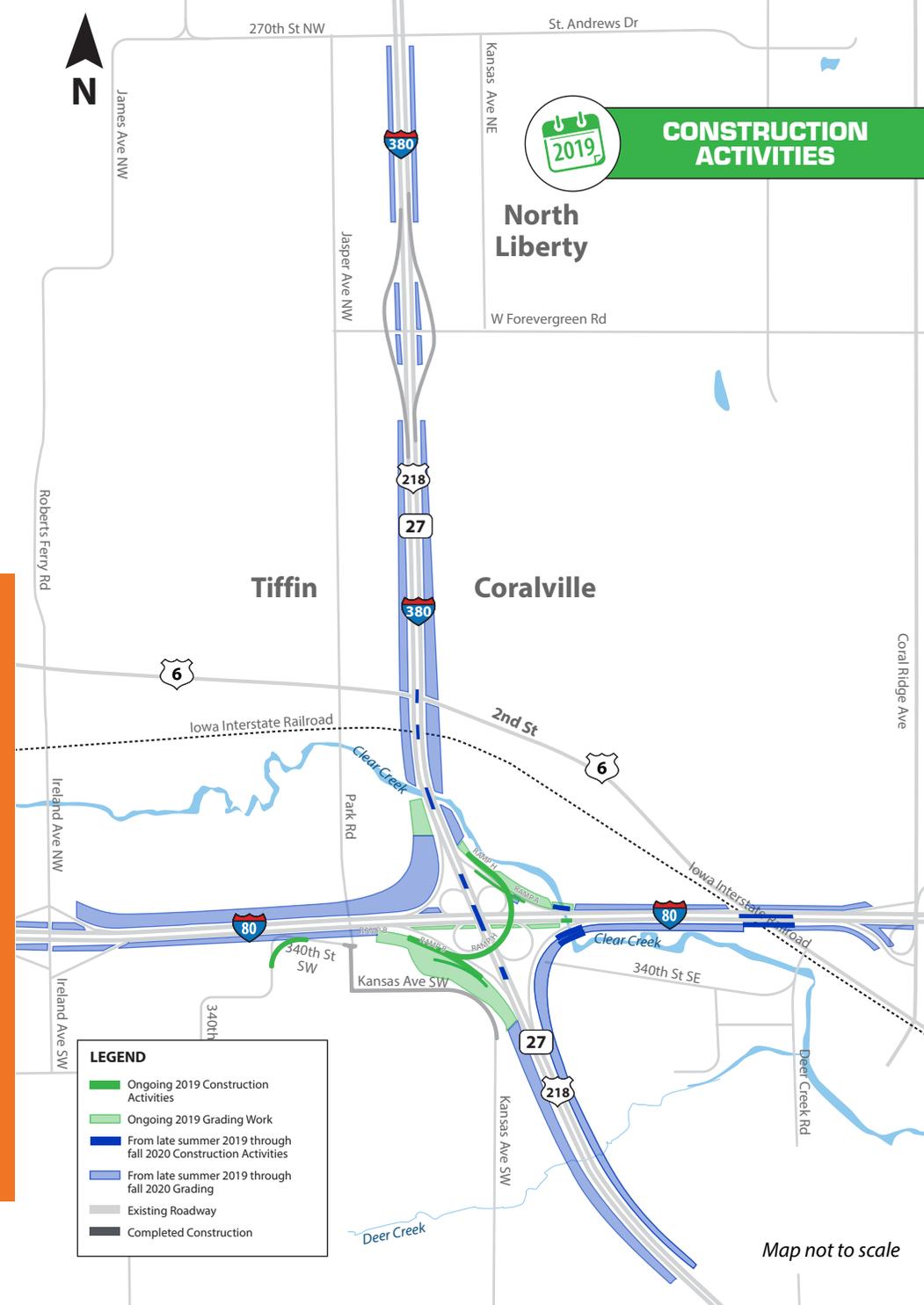
CONSTRUCTION ACTIVITIES

Construction efforts significantly increased in 2019 with the realignment of Kansas Avenue SW, widening of the eastbound I-80 bridge over Clear Creek, pier construction and setting of girders for the I-80 eastbound to I-380 northbound ramp. The adjacent coordinated interchange project at Forevergreen Road was completed in November 2019. Construction continues throughout the interchange into 2020, and the full System Interchange construction is anticipated to be completed in late 2023. Construction activities are prioritized by available funding, potential to enhance safety and improve traffic operations. The map on page 4 illustrates the construction activity locations from 2019.

To learn more about construction activities during 2019, view the spring and fall Construction Activity video series at www.iowadot.gov/i80-i380.



ON THESE PAGES: Cranes used for pier construction and girder setting



Map not to scale



By the Numbers



4,659

cubic yards of concrete poured



21

piers for new ramps and bridges



2,039

tons of reinforcing steel



702,986

cubic yards of earthwork moved



42,696

tons of structural steel for bridges



Commuters boarding the 380 Express



380 Express

During 2019, the East Central Iowa Council of Governments continued its partnership with Iowa DOT to offer the 380 Express bus service. The bus service provides alternate transportation options for commuters. Passengers who ride the 380 Express enjoy the convenient bus route, the ability to use the free wifi, read and/or answer email utilizing the power ports as they commute. A user study was performed in September 2019, and user feedback adjustments were incorporated into the bus services. The stop times were adjusted, additional early morning and late evening operating times were added, and Saturday Seasonal Service was offered from September through December.

The 380 Express bus service was also the recipient of the Iowa Association of Councils of Governments (ICOG) 2019 Innovative Project Award. Congratulations for this honorable recognition and support of safe travel throughout the Systems Interchange.

COMMUTER IMPACTS

During reconstruction of the I-80/I-380 Systems Interchange, Iowa DOT's goal to improve mobility, safety and enhance travel reliability for commuters remains a priority. Expecting and being prepared for commute changes can help minimize impacts. Tips provided on the project website include planning ahead, adjusting travel times, riding the 380 Express Bus, using Iowa Ride Share or personal ride-sharing, and signing up for travel alerts.

2019 construction included shoulder strengthening pavement used for shifting traffic along I-380, I-80, and existing ramps and also moving traffic into new traffic patterns (moving pavement markings to shift lanes, reducing lane and shoulder widths, and using some short-term nighttime detours) to help with construction staging. Also in 2019, high tension power lines that run along the Iowa Interstate Railroad and cross over I-380 and I-80 were moved out of the way of the upcoming bridge work. Short term weekend nighttime closures were used to relocate and reconnect the power lines.

In December, all lanes of I-80 were closed over four nights to allow construction crews to move cranes into position and safely set the steel girders across I-80 for the I-80 eastbound to the I-380 northbound flyover ramp.

During 2019, Iowa DOT observed travel speeds and behaviors in and around the construction work zones and concluded that officially reducing the speed limit would help keep travelers and construction crews safe throughout the system. In December 2019, the speed limit was reduced to a regulatory 55 MPH along I-380 to help accommodate travel conditions during construction. The public's patience in the area is appreciated.

To help keep the public and stakeholders up to date, traffic impact and project updates were communicated via **511ia.org**, shared on social media and email notifications were sent to the Johnson County Traffic Incident Management (TIM) working group and general public subscribers.



380 EXPRESS RIDERSHIP

 **59,677** total rides in 2019

 **231** daily average ridership

 **794** Saturday holiday service ridership



Did you know?

With **18,533** riders in 2019, the bus stop at Kirkwood Community College for southbound bus service was the most utilized, peaking in the fall as University of Iowa classes resumed.



Scroll map at public meeting

PUBLIC & STAKEHOLDER OUTREACH

Keeping the public informed about construction impacts on the I-80/I-380 Systems Interchange Project is a top priority for Iowa DOT. Commuters and stakeholders had opportunities to learn about the project at several points in 2019.

2019 Spring Public Meeting

The 2019 spring public meeting was held on Tuesday, April 30 at the Coralville Public Library to provide an update on the project. Project team members were available throughout the meeting to answer questions regarding construction. Notice of the meeting was provided to the public via postcard, press release, newspaper advertisement, email invitation and social media. Materials are archived and available online at iowadot/i80-i380.

There were approximately 50 attendees including students of the University of Iowa urban planning department. During the meeting, the I-80/I-380 drive through visualization videos were shared with the public. The visualizations were well-received by area travelers and are available on the photo/video gallery on the project website.

Overall, the project continues to be viewed favorably by the public and area stakeholders. Comments were received on the planned improvements and work scheduled over the next few years.



Department staff talking to local citizen at the public meeting

Public Meeting Outreach/Invitations



Stakeholder Meetings

In addition to the public meeting and online meetings, several stakeholder meetings were held throughout the year. Representatives from the project team have provided updates to interested stakeholders. These meetings provided one-on-one opportunities for stakeholders to learn more about the project and construction activities.

- »»» **Kiwanis Program Presentation**
3/12/2019 — Iowa City
- »»» **Rotary Club**, 3/27/2019 — Coralville
- »»» **DOT Commissioners Meeting**,
5/13/2019
- »»» **ACEC – Iowa Presentation**
(Reconstructed Interchange Visualization)
9/11/2019
- »»» **ASCE Presentation – System Interchange Project Update**
11/6/2019

Local Jurisdiction Coordination

- »»» **Iowa City**, 1/14/2019
- »»» **City of Tiffin**, 11/25/2019
- »»» **Johnson County**, 11/25/2019
- »»» **City of North Liberty**, 12/17/2019
- »»» **City of Coralville**, 12/17/2019

Website	Video	Online Meetings	Social Media
 <p>14,834 total website visitors</p> <p>89,051 total page views</p> <p>19,382 unique page views</p> <p>3:48 min average time on page</p> <p><i>Most visited pages:</i></p> <ul style="list-style-type: none"> • Homepage • Project Schedule • Forevergreen Road 	 <p><i>Spring Construction Update</i></p> <p>528 views to date</p> <p>2:19 min average view length</p> <p>4 drive through simulations</p> <p><i>Fall Construction Update</i></p> <p>95 views to date</p> <p>1:42 min average view length</p> <p><i>Program Overview Video</i></p> <p>4,200 views to date</p> <p>2:19 min average view length</p>	 <p>1,530 Meeting site views</p> <p><i>Topics of Interest:</i></p> <ul style="list-style-type: none"> • Traffic changes/detours • Design of the proposed interchange 	 <p>24 Total Posts</p> <p>102,175 Impressions</p> <p>2,058 Engagements</p> <p>404 Post Reactions</p> <p>33 Comments</p> <p>140 Post Shares</p>



Follow Us on Facebook!

New in 2019 is the I-80/380 Systems Interchange project Facebook page. The page allows travelers to follow the news and activities of the project.

Hotline	Project Update Emails	Online Comment Form	Media Coverage & Mentions
 <p>34 calls received in 2019</p> <p>8 messages received</p>	 <p>7 total emails</p> <p>356 recipients (average)</p> <p>152 opens (average)</p> <p>8 unsubscribers (total)</p>	 <p>15 comments received</p>	 <p>27 articles</p>

2019 Engagement Summary

By offering multiple methods of communication, Iowa DOT was able to maximize the power of communication and reach for the project. As construction activities ramped up, so too did the communication efforts. In 2019, public and stakeholder outreach was increased

to include more social media, media interviews, stakeholder presentations, monthly e-updates, and traffic impact notifications. Regular project updates provide opportunities for stakeholders to learn more about the project and construction activities.



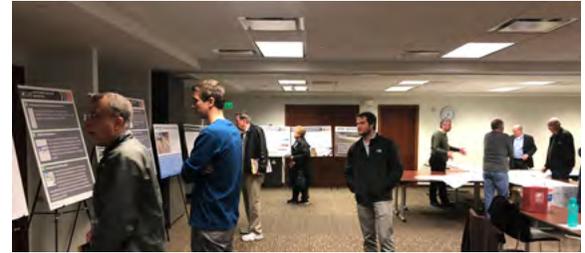
STAY INFORMED

To stay informed about project developments:

- Visit the project website: www.iowadot.gov/I80380
- Have questions? (319) 237-3222
- Want traffic notifications? Sign up for real time construction at www.511ia.org
- Social media: [@iowadot](https://www.facebook.com/iowadot)

April 30
4:30-6:30 p.m.
Coralville Public Library

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BIG THINGS ARE MOVING NEXT WEEK

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SLOW DOWN

GETTING YOU THERE
I-80/I-380 SYSTEMS INTERCHANGE

DID YOU SEE THAT?

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Engagement from public meeting and social media posts



DMS messaging during the 2019 Move Over event

TRAFFIC INCIDENT MANAGEMENT

Crashes on the interstate not only cause extra congestion, delays and frustrations, but they are also dangerous for passing motorists, crash victims and emergency responders. That's why Traffic Incident Management (TIM) is a major focus during construction. The goal of TIM is to improve multi-disciplinary processes and coordination to detect, respond to, and clear traffic incidents to restore traffic flow safely and quickly. When crashes or incidents occur, TIM practices reduce the duration and impacts of traffic incidents so that the movement of people and goods can continue to flow.

The Johnson County Area TIM Working Group meets regularly to discuss best practices, debrief past incidents, develop tools and refine techniques that ultimately improve roadway clearance times, reduce secondary crashes and enhance overall system safety and reliability. As one of the busiest interchanges in the region, safe and quick clearance is vital to improving the overall corridor safety, restoring transportation reliability, reducing vehicle emissions and improving the overall corridor safety.



New Kid on the System

In September 2019 the Department rolled out their new Highway Helper trucks in the Cedar Rapids/Iowa City area.

Move Over Enforcement Event



The "Move Over" law was promoted by media partners and law enforcement officers who explained risks to highway workers and first responders when drivers don't move over or slow down. Every year, over one hundred law enforcement officers, fire/EMS personnel, DOT workers and tow and recovery operators are struck and killed on the nation's roadways. The most frequently struck responder, towing partners, teamed with law enforcement to highlight the risk.

- 6 agencies participated
- 16 Move Over warnings
- 66 Move Over citations

The Iowa City Area TIM group was created to achieve an unprecedented level of coordination and cooperation between emergency response stakeholders including:

-  **Law Enforcement**
-  **Fire & Rescue**
-  **Emergency Medical Services**
-  **Federal, State & Local Engineering & Maintenance**
-  **911 & Public Safety Communications**
-  **Emergency Management**
-  **Towing & Recovery**

I-80 Traffic "Moving Over" to allow space for safe roadside activity





LOOKING AHEAD

Overview of 2020 Activities

As we review the accomplishments of the system interchange project through 2019, we are already into the planned activities for the new year. Look ahead to discover what is in store for 2020.

LEGEND Subject to Change

- █ Ongoing 2020 Construction Activities
- █ Ongoing 2020 Grading Work
- █ Planned Construction Activities 2020
- ▬ Ongoing Bridge Work
- ▬ Existing Roadway
- ▬ Completed Construction

Ongoing 2020 Construction Activities

A Storm sewer work for the realignment of 340th Street SW began in 2019. Construction of the new alignment is anticipated to begin in spring 2020.

B Grading along I-380 northbound began in 2019 and will continue into 2020.

C Construction of the I-80 eastbound to northbound flyover Ramp H began in 2018 and is anticipated to be complete in fall 2020, and may be open in 2021.

D Construction of the I-80 eastbound to U.S. 218 southbound bridge continues into 2020. The bridge is anticipated to be complete fall 2020 and is anticipated to open to traffic fall 2020 or spring 2021.

E Construction started in the fall 2019 on three ramp bridges over Clear Creek: I-80 westbound to I-380 northbound, U.S. 218 northbound to I-80 eastbound and I-380 southbound to I-80 eastbound. Construction of these bridges will continue through 2020.

F Widening of the I-80 bridges over U.S. 6 and Iowa Interstate Railroad started in the fall 2019 and will continue into 2020.

G Construction of some of the I-380 median bridges began in the fall of 2019 and will continue through 2020. The remaining median bridges, including the I-380 over I-80 median bridge, and the nearby southbound to eastbound pier in the I-80 median, will begin in early 2020 and continue through 2020.

Other work such as utility relocations, concrete box culvert construction, roadway pipe culverts, storm sewer, grading and soils stabilization, soils settlement mitigation, and other off roadway work is continuing.



LOOKING AHEAD

Planned Construction Activities 2020

1



New I-380 median grading and paving is anticipated to start in spring 2020 and is anticipated to be complete by the end of 2020. The median will be graded and paved from approximately just south of the interchange to just north of U.S. 6. Some of this work will be as much as 7 feet higher than the adjacent roadway. The new median pavement and bridges will be used to stage traffic during reconstruction of the adjacent roadway.

2



Park Road bridge over I-80 is anticipated to be removed during the summer of 2020. The new bridge is anticipated to be completed in 2023.

3



Eastbound I-80 ramp to U.S. 218 southbound is anticipated to be paved during 2020. Traffic may be switched from the old ramp to the new ramp and bridge in the fall of 2020 or spring of 2021.

4



Interstate 80 eastbound to I-380 northbound ramp is anticipated to be paved by fall 2020. Traffic may be switched from the loop to the new ramp in 2021.

5



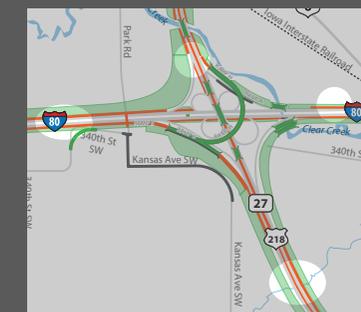
Interstate 80 eastbound and westbound bridge approaches, on both sides of U.S. 6, are anticipated to be reconstructed by the end of 2020.

6



As part of the reconstruction of I-80 eastbound and westbound near U.S. 6, the eastbound I-80 off-ramp to Coral Ridge Avenue is anticipated to be reconstructed by end of 2020.

7



Throughout the entire project area, construction of temporary pavement along I-80, I-380, and U.S. 218, for traffic staging, is underway and will continue through the spring and summer of 2020.

Other ongoing and new work will take place in 2020 such as: concrete box culvert construction, roadway pipe culverts, storm sewer, grading and soils stabilization, soils settlement mitigation, erosion control and mitigation.



**CLOCKWISE, PAGE 19
(BEGINNING AT TOP LEFT):**
Pier shape and aesthetics were determined through public and agency input

Steel girders for future I-80 eastbound to I-380 northbound flyover ramp

Pier and foundation construction, north of I-80 and east of I-380

Traffic on existing loop ramp during construction of new flyover ramp

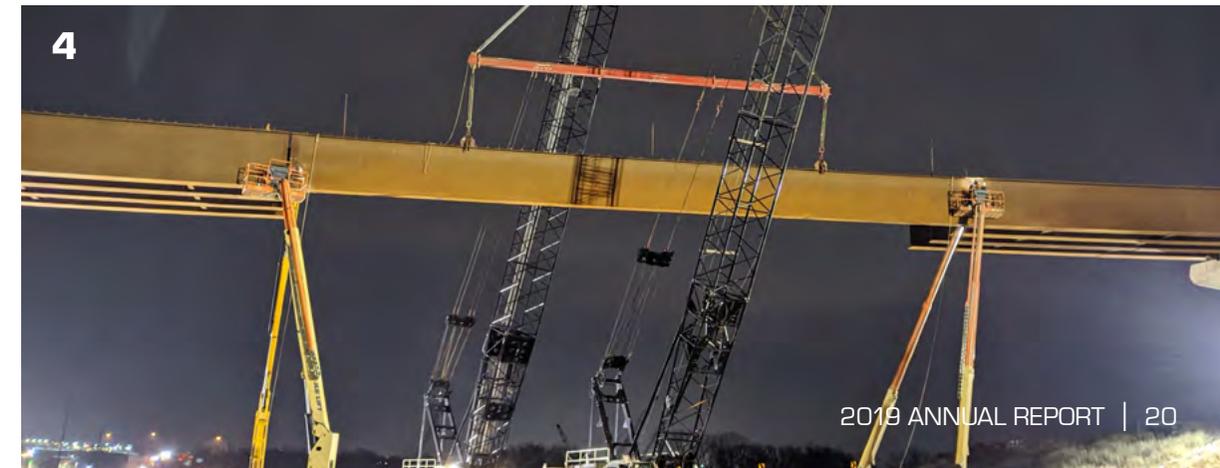
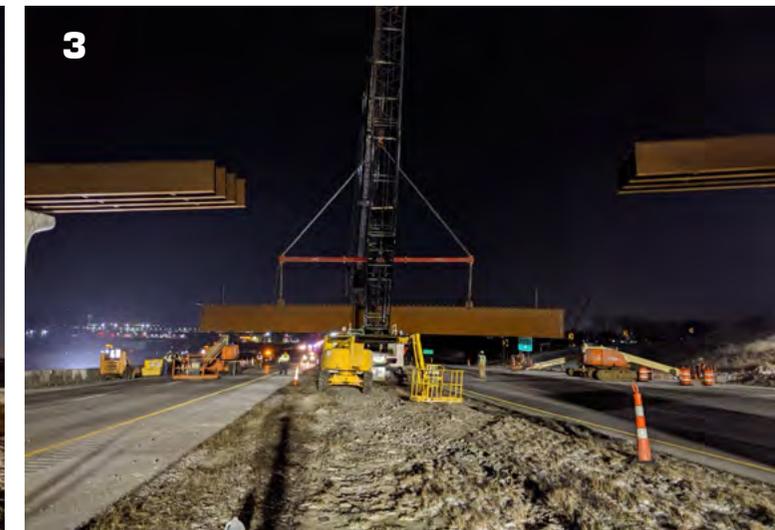
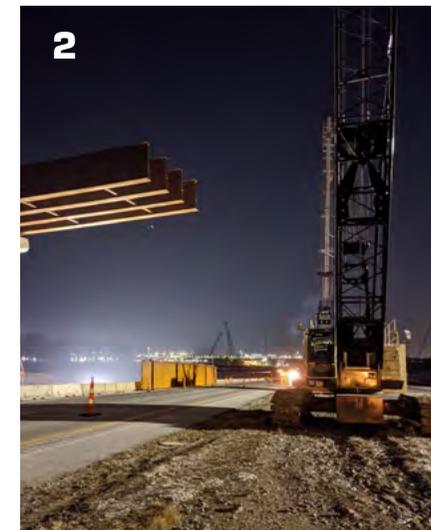
Piers and girders set for future flyover of eastbound I-80 to northbound I-380

**CLOCKWISE, PAGE 20, SEQUENCE OF GIRDER CONSTRUCTION
(BEGINNING AT TOP RIGHT):**
(1) Overnight closure of all eastbound and westbound lanes of traffic on I-80 to set steel girders

(3) Crane staged for girder setting over I-80

(4) Placement of first girder in final section of flyover ramp over I-80

(2) Crane lifting first girder beam in the final section over I-80





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Prepared by the **Iowa Department of Transportation**

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