

2023 ANNUAL REPORT



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



PROJECT OVERVIEW	2
CONSTRUCTION ACTIVITIES	6
2023 BY THE NUMBERS	8
TRAFFIC IMPACTS	10
PUBLIC OUTREACH	12
LOOKING AHEAD	14
PROJECT IN REVIEW/HOW WE GOT HERE	16

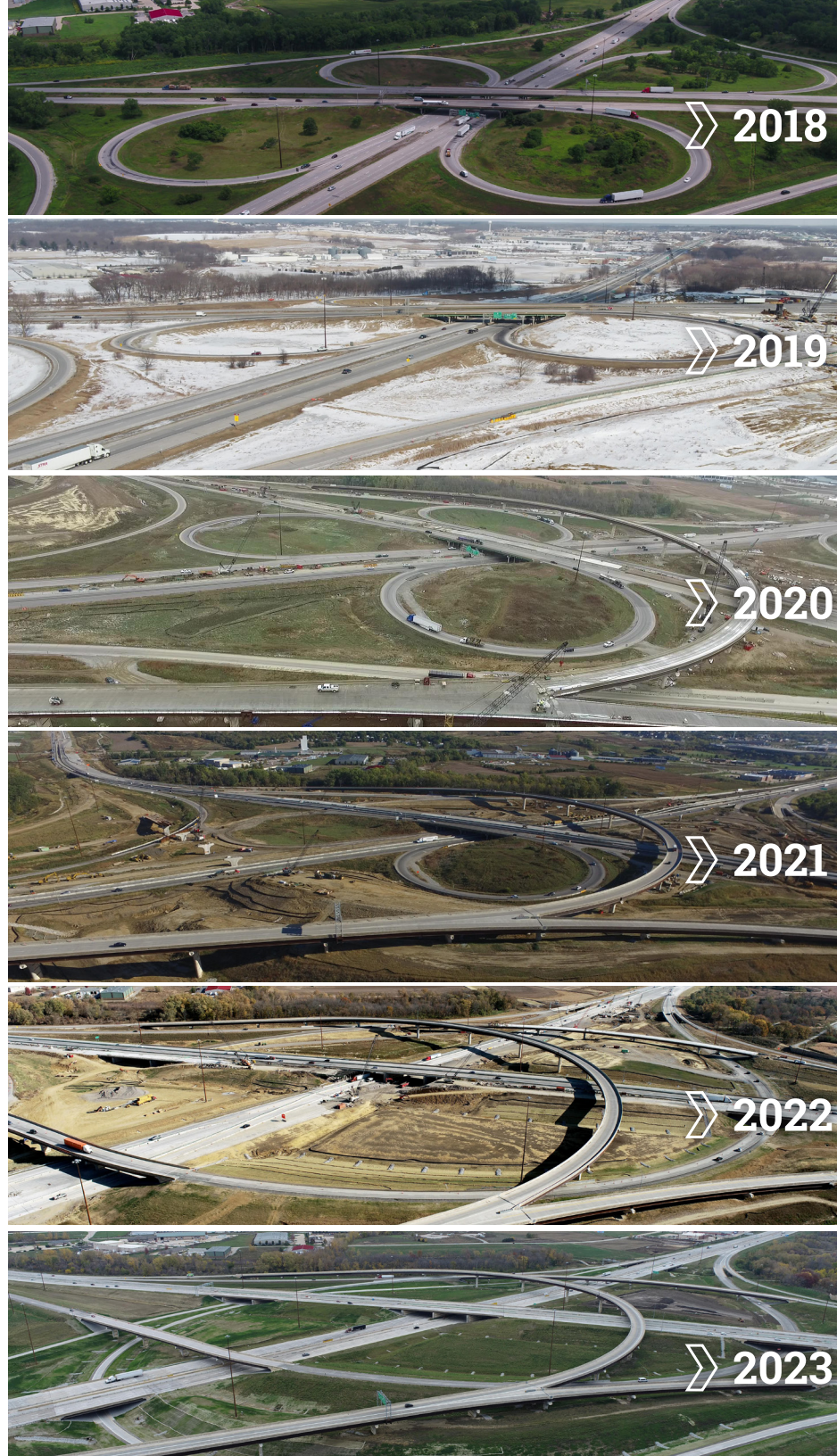
PROJECT OVERVIEW

This project is in Johnson County at the junction of Interstate 80 (I-80), Interstate 380 (I-380) and United States Highway 218 (U.S. 218). As one of the busiest interchanges in the region, it serves as a vital link in Iowa's transportation system supporting connectivity, mobility, freight movement and economic vitality. The original interchange no longer had the capacity to reliably handle increases in current and projected traffic. To accommodate growth, the interchange has been redesigned and the reconstruction process began in 2018.

This project has removed the four original loops in the interchange and has completed all 8 of the new, directional ramps. An additional lane in each direction is being added to both I-80 and I-380. Additional lanes will extend from Ireland Avenue to Coral Ridge Avenue along I-80, and from one mile south of I-80 to three miles north of I-80 on U.S. 218/I-380. Old ramps have been replaced to improve safety, mobility, and travel reliability. The project was substantially completed in 2023, with completion of the final punch-list items anticipated by the end of 2024.

Project Benefits

-  Increase capacity and improve traffic operations within the region.
-  Improve travel reliability.
-  Improve safety and reduce congestion.
-  Support regional employment and economic growth.

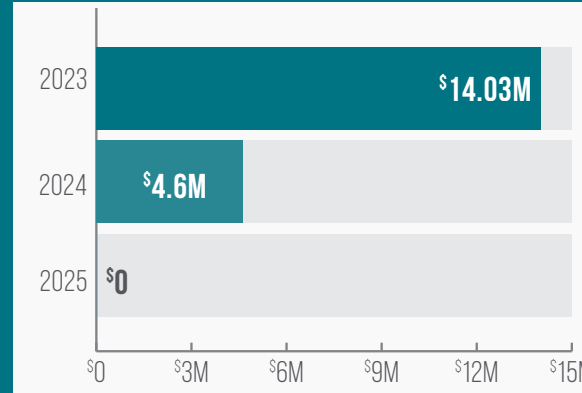


Investing in Infrastructure

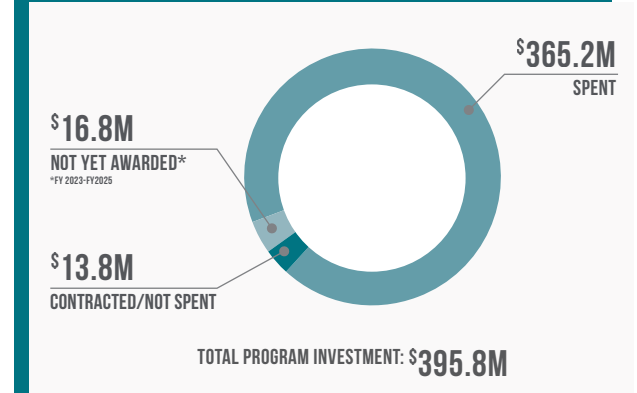
The Iowa Transportation Commission and Iowa DOT recognize that the I-80/I-380 Interstate System Improvement Program is a significant investment in the state's transportation infrastructure.

Program construction started in 2018 and is expected to continue through 2024. Projects have been grouped strategically to maximize improvements while minimizing, to the extent possible, construction impacts to area businesses, residents, and the traveling public.

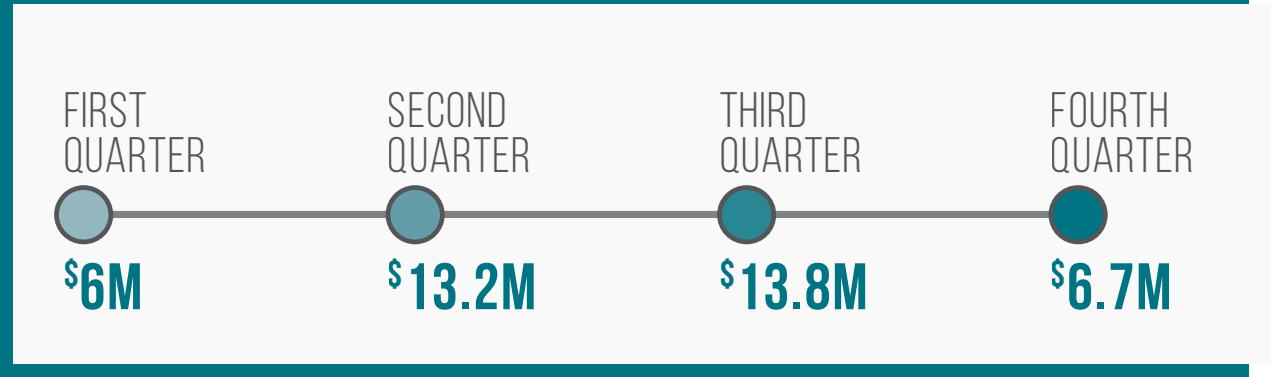
DOLLARS PROGRAMMED PER FISCAL YEAR



PROGRAM INVESTMENT



2023 SPENDING BY QUARTER



Project Spotlights

U.S. 218 NORTHBOUND TO I-80 WESTBOUND RAMP

After almost three years of detours, the new U.S. 218 northbound to I-80 westbound ramp opened at the end of August. The new ramp includes a flyover bridge over I-80. The long term detour put in place after the old loop-style ramp closed in December 2020 was the longest detour during reconstruction. The opening of this ramp was met with public excitement across media and social media networks.


I-80 WESTBOUND TO U.S. 218 SOUTHBOUND RAMP

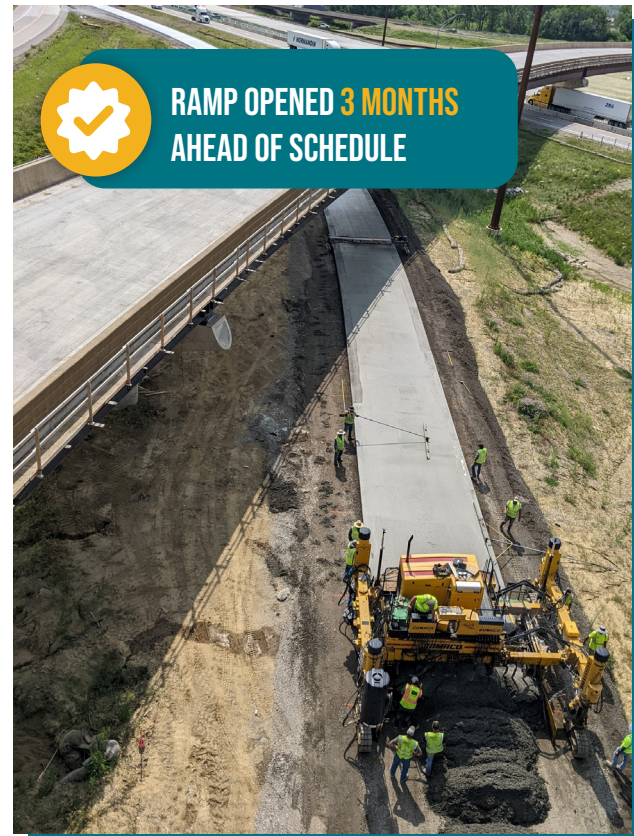
The new I-80 Westbound to U.S. 218 Southbound ramp also opened at the end of August. This new ramp created a single exit point for all travelers heading to I-380/U.S. 218. The new ramp runs under both I-80 and I-380, and created a unique focus on optimizing drainage during rain events.

PROJECT-WIDE ADDITIONAL LANE CAPACITY OPEN

After several months of traffic shifts moving throughout the project area, the final lane construction, paving, and alignment for I-80 and I-380 through the interchange was completed. Additional lanes were added in each direction of I-80 and I-380, including adjustments and replacements of on and off ramps.

 RAMP OPENED 3 MONTHS AHEAD OF SCHEDULE

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UPDATED DIRECTIONAL SIGNAGE

Part of the interchange reconstruction and redesign included the installation of improved wayfinding signs for travelers throughout the interchange. Many of the exit and entrance points for ramps changed during the reconstruction and the project team added a new system of wayfinding signs. These signs are some of the largest in the state to improve visibility to travelers.



CONSTRUCTION ACTIVITIES



The final major construction milestones were met in 2023. The final two ramps were completed and opened to the public, and the final paving and alignment was completed along I-80. As of the end of 2023, the major construction efforts on this project are substantially complete. A list of construction activities completed in 2023 is to the right. A few remaining activities including median barrier rail construction, erosion control, and other smaller efforts will be finished up in 2024.



CORE

- I-80 westbound to U.S. 218 southbound ramp completed
- U.S. 218 northbound to I-80 westbound ramp completed
- I-380 southbound bridges completed
- I-80 eastbound bridge over Clear Creek completed
- All lanes completed and open in all directions throughout the core of the interchange.



WEST LEG

- All lanes completed and open along I-80 westbound



2023 BY THE NUMBERS



56,950
Cubic yards of concrete poured



390
Tons of structural steel for bridges



335
Tons of reinforcing steel



3
Piers for new ramps and bridges



652,925
Cubic yards of earthwork moved



3
Lighting towers installed



79,955
Feet of barrier rail installed



33,437
Square feet of bridge decking/concrete

TRAFFIC IMPACTS

Commuter Impact Highlights

Commuters continued to feel the impacts of construction through much of 2023, as the U.S. 218 Northbound to I-80 Westbound Ramp, the I-80 Westbound to U.S. 218 Southbound Ramp, and the final additional lanes weren't still under construction the first eight months of the year. However, the major impacts of the construction process wrapped up by the end of August.

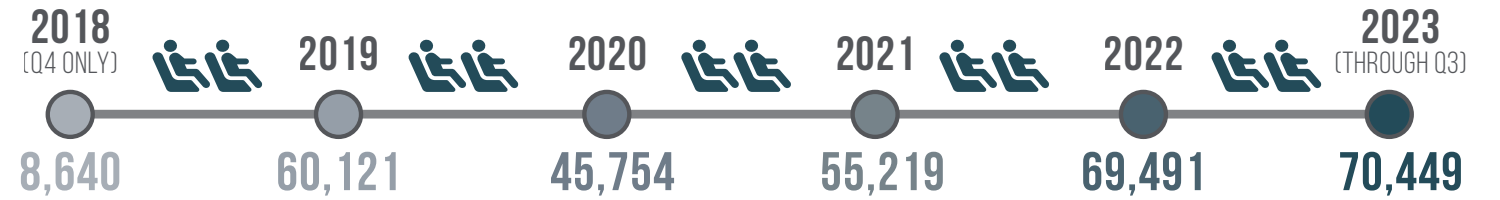
380 Express Bus

The 380 Express Bus service was a wonderful resource throughout the duration of the I-80/I-380 reconstruction process. The 380 Express allowed commuters to park and ride on a bus, equipped with wifi, to designated stops – saving them from the potential stress of traffic and allowing them to multi-task during their commute. As of October 2023, the 380 Express had over 70k riders for this year, and were averaging around 400 riders per day during the third quarter of 2023. The popularity of this service has increased since it started in October 2018, and will be continuing through at least 2025.

Over the duration of the project, travelers through the interchange endured many impacts and changes to their daily commutes, including:

- Approximately **385** overnight closures
- Approximately **16** traffic shifts
- Approximately **104** weeks of long-term detours
- Approximately **95** overnight lane closures

Ridership by year:



Traffic Management Spotlight

The I-80/I-380 interchange is frequently used by Hawkeye fans during college football season. The I-80/I-380 reconstruction project team understood the impacts that detours and long-term closures of ramps had to the flow in and out of University of Iowa's Kinnick Stadium. Construction crews were able to push through the final construction efforts on the remaining two ramps in the interchange, and the final two ramps were open the week before the first University of Iowa home game! This was a huge accomplishment, as the original construction schedule didn't anticipate ramp completion until the end of the year, after football season ended.

PUBLIC OUTREACH

Ramp Opening Communications

At the end of August, the project team had the joy of announcing the big moment travelers in the area had been waiting for – the opening of the final two ramps in the reconstructed interchange! These ramps had been closed and in long term detour for years, making this an exciting moment for the public AND the project team. The good news was shared through an email announcement, an update on the project website, and social media posts.

Project Communications

The I-80/I-380 Interchange Reconstruction Project strived throughout the life of the project to keep up regular communications with the public, stakeholders, area business owners, and area first responders, in order to keep them aware of closures, detours, and any possible changes in travel through the interchange. The project team accomplished this through:

- 43 monthly eUpdates
- 203 Traffic Impact Emails
- 11 General Project Announcements and Updates

Ribbon Cutting Ceremony


Just before the official opening of the final two ramps in the interchange, Iowa DOT leadership, project team members, and dignitaries gathered to celebrate the completion of the project. The official ribbon cutting took place on Friday, October 25.



2023 FACEBOOK HIGHLIGHTS

I-80/380 Systems Interchange
November 27, 2023

It's been a long time coming, but the I-80/380 Interchange project in the Iowa City area...
... See more



Total Engagements	Comments
10,579	478
Reactions	Shares
1,708	478

ENGAGEMENT STATS

Page Likes	Engagements	Total Posts
171	11,204	274

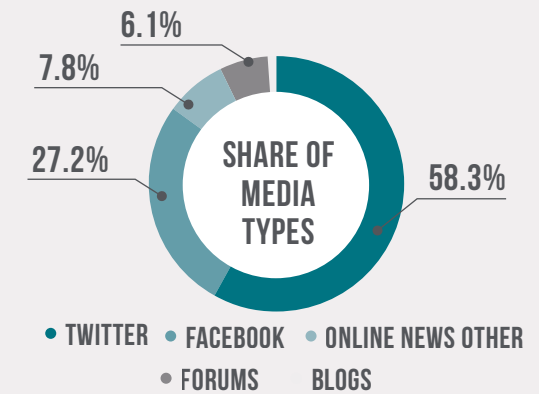
2023 CONSTRUCTION VIDEOS



2023 ENGAGEMENT TOOLS

-  Project Website
-  Emails
-  Social Media
-  Hotline
-  Live Traffic Cameras
-  511

2023 MEDIA COVERAGE



LOOKING AHEAD

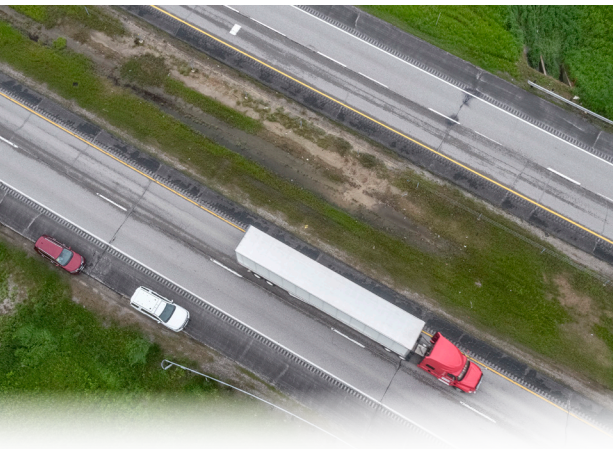


Looking Ahead to 2024

While the big-ticket items in the I-80/I-380 Interchange reconstruction project are complete and being used daily to move people and goods throughout Iowa, there are still some final punch list items that will be finalized in 2024. Those efforts include:

- Jasper Ave/Park Rd bridge completion
- Construction of median barrier rails throughout the interchange
- Final erosion control activities

PROJECT IN REVIEW/HOW WE GOT HERE



2018

- Project prep work begins
- Kick-off public meeting and business owner meetings held in April
- 380 Express bus service begins in October

2019

- Forevergreen Road Interchange complete
- Realignment of Kansas Avenue SW
- Begin setting girders for new I-80 eastbound to I-380 northbound ramp

2020

- ✔ I-80 eastbound to U.S. 218 southbound ramp opens
- ✔ I-80 eastbound to I-380 northbound ramp opens
 - Extensive bridge work taking place
 - Major lane shifts throughout the system
 - Speed limit reductions put in place

2021

- ✔ I-380 northbound bridges and paving
- ✔ Reconstruction of Ireland Avenue Ramp to I-80 eastbound
- ✔ U.S. 218 southbound widening and paving
 - Work with University of Iowa Athletics and Iowa State Patrol to help navigate detours during Hawkeye football season

2022

- ✔ I-380 southbound to I-80 eastbound ramp opens
- ✔ I-380 southbound to I-80 westbound ramp opens
 - Began installing new LED lighting units to improve visibility and safety in the interchange

2023

- ✔ Final ramps completed and opened to the public
- ✔ End of final long-term detours
 - Ribbon cutting ceremony

✔ Completed Ahead of Schedule

Project By the Numbers



26
Bridges constructed



7,460
Tons of structural steel for bridges



469
Concrete beams installed



330,945
Cubic yards of concrete poured



5,215
Tons of reinforcing steel



113
Miles of lane pavement



33
Additional lane miles added to the highway system



59
New LED light fixtures installed



48,577
Square feet of retaining walls



451,615
Feet of barrier rail installed

