



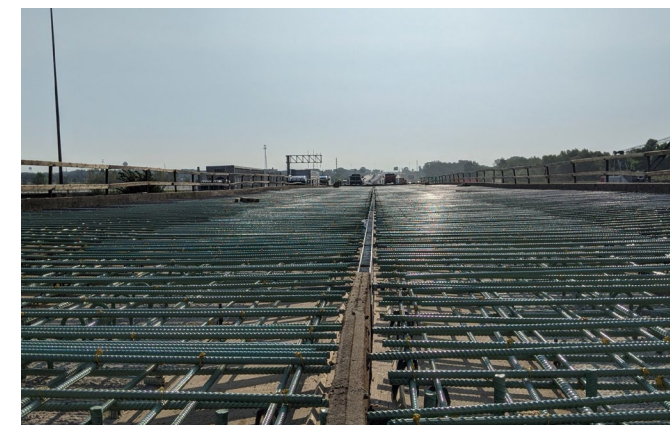
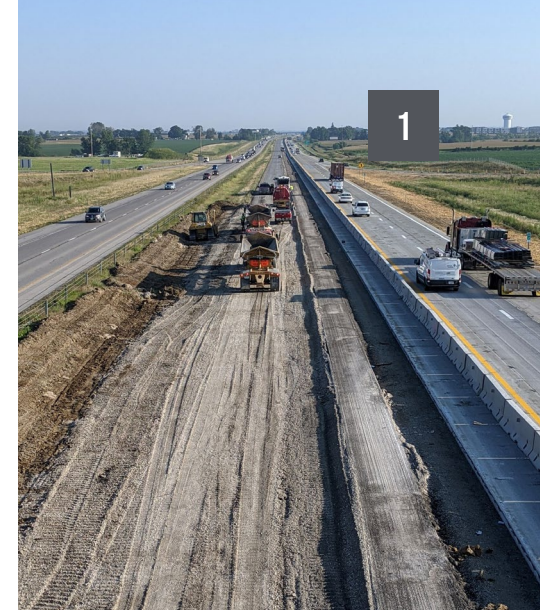
2021 ANNUAL REPORT

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

CONTENTS



PROJECT OVERVIEW	2
CONSTRUCTION ACTIVITIES	6
2021 BY THE NUMBERS	8
TRAFFIC IMPACTS	10
PUBLIC OUTREACH	12
LOOKING AHEAD	14



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 has the capacity to reliably handle increases in current and projected traffic. To accommodate growth, the interchange has been redesigned and is being reconstructed.

This project will replace four loops in the interchange with 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. Existing ramps are also being replaced to improve safety, mobility, and travel reliability.

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.

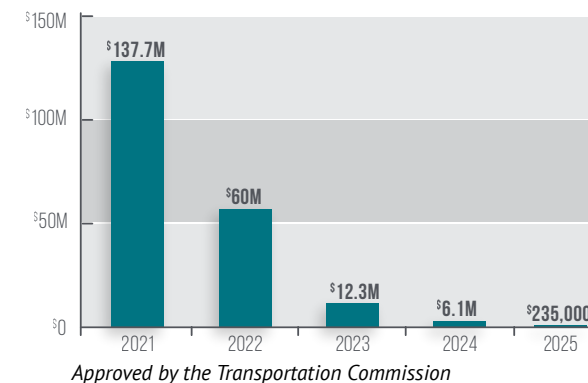
2

INVESTING IN INFRASTRUCTURE

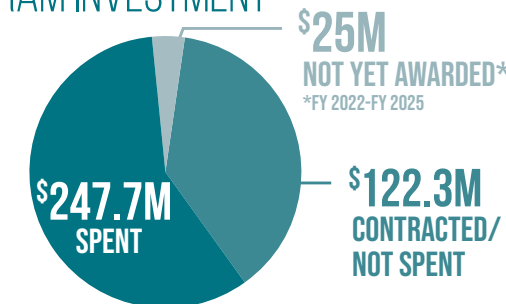
The Iowa Transportation Commission and Iowa DOT recognize that the I-80/I-380 Interstate System Improvement Program is a significant investment in the state's transportation infrastructure.

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



TOTAL PROGRAM INVESTMENT: \$395M

SPENDING BY QUARTER

FIRST QUARTER
\$13,233,899

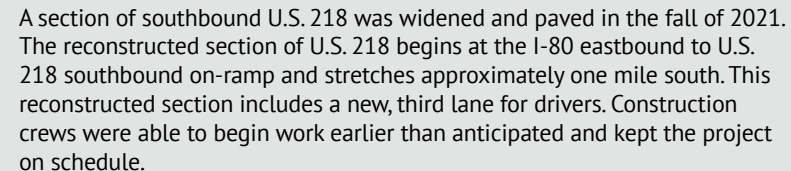
SECOND QUARTER
\$26,482,044

THIRD QUARTER
\$47,841,312

FOURTH QUARTER
\$21,710,435

U.S. 218 SOUTHBOUND WIDENING & PAVING

A yellow roller is shown paving a road surface, moving from left to right. The road is dark and freshly laid, contrasting with the light-colored gravel shoulder on the left. In the background, another yellow roller is visible, and the scene is set against a clear blue sky with some distant trees and buildings.



This project, originally planned to last until summer of 2022, was completed at the end of November. This allowed crews to begin the next phase – repaving and bridge reconstruction along I-380 southbound.

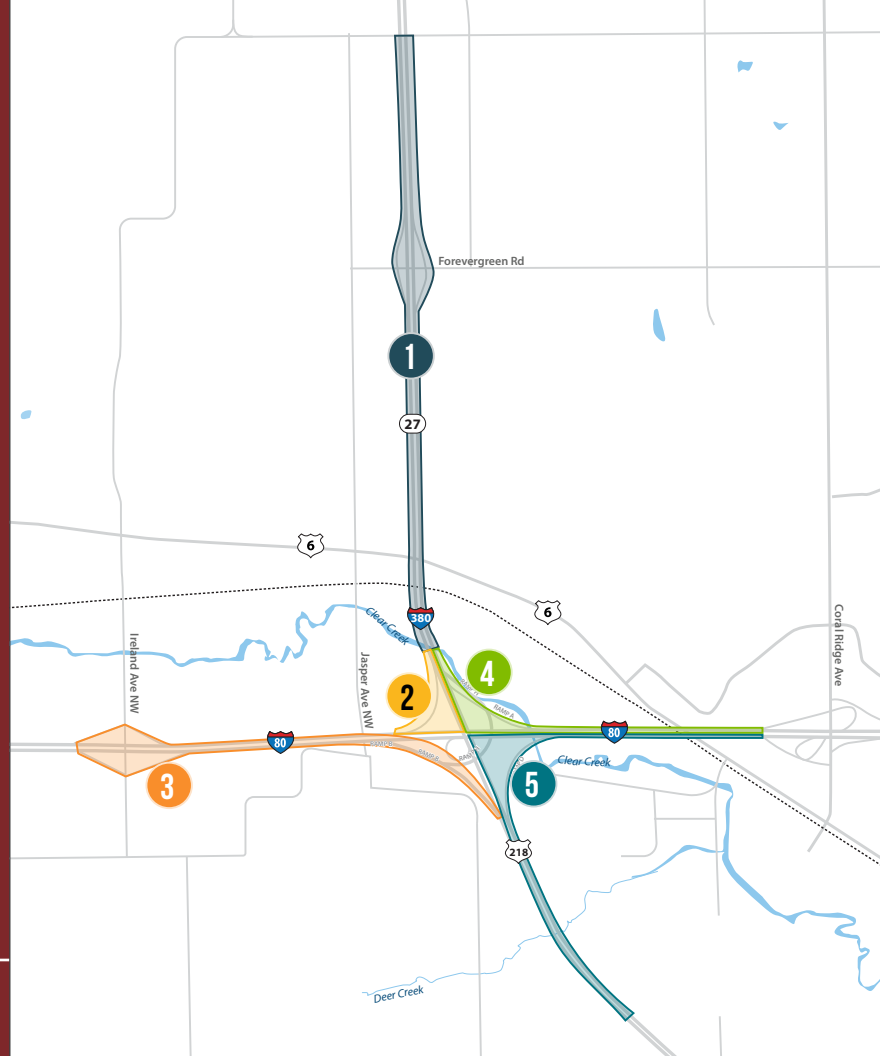


CONSTRUCTION ACTIVITIES

Construction efforts continued to increase in 2021. Over 40 weeks of the year featured overnight closures, and multiple long-term closures went into effect.

New paving was completed on much of I-380, including new lanes on southbound U.S. 218 and new pavement along northbound I-380. Several I-380 northbound bridges were substantially complete this year and opened to traffic at the end of November. The I-80 westbound to U.S. 218 southbound ramp closed in September, adding a detour that will be in place for up to two years. Other activities in 2021 included removal of old pavement, bridges, grading work for several ramps, erosion control, and sign work throughout the interchange.

Construction on the I-80/I-380 Systems Interchange will continue through 2024. Additional construction work in 2022 will include traffic shifts throughout the interchange and continued long-term detours while new exit ramps and bridges are being constructed.



1 I-380, NORTH OF INTERCHANGE



- I-380 northbound paving
- New I-380 northbound to Forevergreen Road ramp
- I-380 northbound bridges over U.S. 6, Iowa Interstate Rail Road, and Clear Creek

2 NORTHWEST QUADRANT

- I-80 westbound to U.S. 218 southbound loop permanent closure
- Southbound I-380 traffic shift into median



3 SOUTHWEST QUADRANT



- Ireland Ave to I-80 eastbound ramp
- New ramp to I-380 northbound / U.S. 218 southbound
- I-80 eastbound widening and paving

4 NORTHEAST QUADRANT

- I-80 westbound to I-380 northbound ramp work
- I-80 westbound widening and paving
- I-380 northbound bridges over I-80 and future ramps



5 SOUTHEAST QUADRANT




- Newly paved U.S. 218 southbound lanes
- New U.S. 218 northbound to I-80 eastbound ramp

2021 BY THE NUMBERS





109,530
Cubic yards of
concrete poured



1,140
Tons of
reinforcing steel




740
Tons of structural
steel for bridges



23
Piers for new
ramps and bridges

1,275,000
Cubic yards of
earthwork moved




9
Lighting towers
installed



10,730
Feet of barrier rail
installed



107,923
Square feet of
bridge deck area



TRAFFIC IMPACTS

COMMUTER IMPACT HIGHLIGHTS

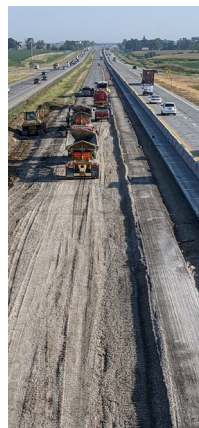
2021 saw a noticeable increase in construction efforts that directly impacted commuters throughout the interchange. Traffic felt tighter, some delays began to occur, and there were many changes to exit ramps. Other impacts for commuters included:

MAJOR TRAFFIC SHIFTS

Several major traffic shifts took place along southbound I-380/U.S. 218. Along the south leg of I-380 /U.S. 218, traffic shifted into a head-to-head condition for approximately three months between August and November 2021. Southbound traffic through the center of the I-80/I-380 interchange shifted onto newly paved median lanes in December 2021. This shift, anticipated to be in place until late 2022/early 2023, will help facilitate bridge and ramp construction along I-380.

2 PERMANENT LOOP CLOSURES = LONG-TERM DETOURS

At the end of September, the existing I-80 westbound to U.S. 218 southbound ramp was closed permanently. This is another permanent closure of the old interchange ramps, and the second long-term detour put in place. These long-term detours will be in place until the opening of new ramps, anticipated in late 2023.



380 EXPRESS STATS

 **55,219**
Total Rides

 **153**
2021 Average
Daily Ridership



TRAFFIC MANAGEMENT SPOTLIGHT

11

Over the years, the I-80/I-380 Systems Interchange project team has focused on managing traffic throughout the interchange and has implemented several methods to improve traffic management operations during construction.



A FOCUS ON PROCESS

With frequent interstate closures and numerous traffic shifts, the project team continues to streamline the implementation of traffic management strategies including dynamic message signing, queue detection warning systems, traffic impact alert outreach emails, and the use of Highway Helper and Motor Vehicle Enforcement. This focus on process has resulted in a simple, customer driven approach which ultimately benefits the safety of the travelling public during construction.



LED LIGHTING

New, permanent lighting units have been installed throughout the project. The added LED Lighting has improved visibility and safety for drivers and will save money by reducing overall energy needs. As construction progresses, additional lighting units will be installed.



CAMERAS & TECHNOLOGY

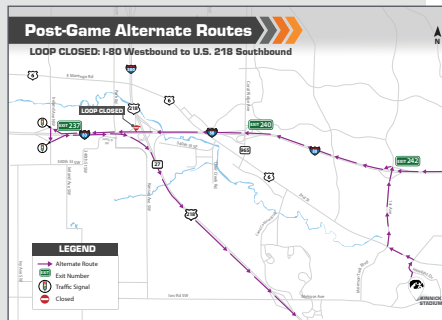
Six new cameras, five new traffic sensors and over two dozen portable dynamic message signs were utilized within the project corridor this year. This technology allows the Iowa DOT to monitor traffic flow conditions, respond quickly to incidents and better manage special event traffic. The signs keep travelers informed of future impacts, as well as provide real-time traffic conditions and closures. Additional permanent cameras and technology will be added in the future to support the new interchange once reconstruction is complete.

PUBLIC OUTREACH



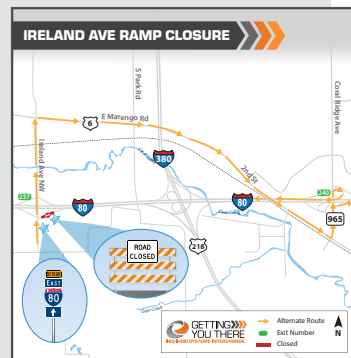
GAMEDAY COORDINATION

2021 saw the return of fans to college football stadiums and saw an increase in traffic impacts throughout the I-80/I-380 Systems Interchange. This year, the project team worked closely with both University of Iowa Athletics and the Iowa State Patrol to plan gameday traffic communications to guide fans heading to and from Kinnick Stadium and to help mitigate the traffic delays. Communication efforts included specially designed maps showing alternate routes for both pre and post game traffic and a press release to local news publications. The press release included details on the alternate routes, warned fans of the potential delays, and encouraged them to enjoy their time in Iowa City. This joint effort helped make for a fun and successful football season for Hawkeye fans.

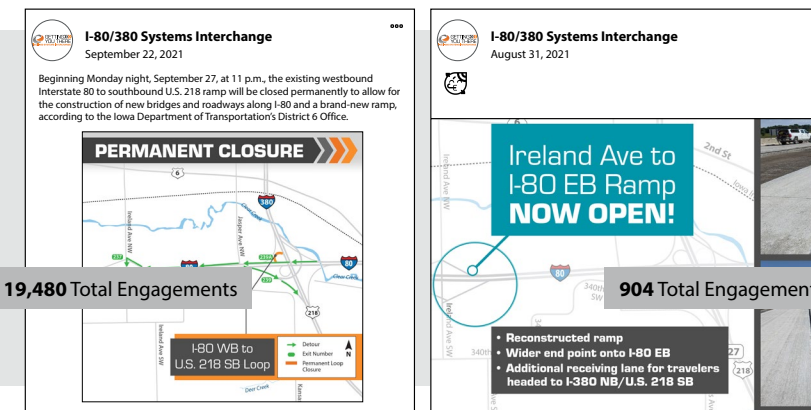


IRELAND AVE BUSINESS OUTREACH

One major effort in 2021 was the reconstruction of the Ireland Avenue to I-80 eastbound on-ramp. The resurfacing and partial widening of this ramp required the ramp to be closed for up to 2 months, which had the potential to adversely affect business along the Ireland Avenue exit, as well as the City of Tiffin, IA. The I-80/I-380 Systems Interchange Project Team launched an outreach campaign to notify the local businesses of the closure, to help them manage the impact of the ramp closure. This campaign included notification letters sent to all area businesses, a copy of a detour map the businesses could use to assist customers, and a list of FAQs that would both provide business owners with details of the closure, as well as equip them to answer any questions they might receive from customers. This same information was distributed to Tiffin city officials.



2021 FACEBOOK HIGHLIGHTS



Engagement Stats

- Page Likes **1,901**
- Engagements **34,838**
- Total Posts **360**

2021 VIDEOS



2021 ENGAGEMENT TOOLS



Project Website



Emails



Social Media



Hotline



Live Traffic Cameras



511

MEDIA COVERAGE

The I-80/I-380 Systems Interchange Project had a total of 506 earned media mentions throughout 2021. These media mentions included social media (Facebook and Twitter), online news, and blogs/forums. The project team partners with local media to keep them abreast of major changes and impacts along the project, and provided eight desk-side media briefings in 2021.

LOOKING AHEAD



NORTH LEG

- 1 I-380 southbound widening, grading and paving
 - During construction, traffic will be in a head-to-head condition for approximately two miles on the new northbound lanes



TRAFFIC IMPACTS LEGEND



NARROW LANES



LIMITED SHOULDERS



SINGLE LANE TRAFFIC



REDUCED CAPACITY

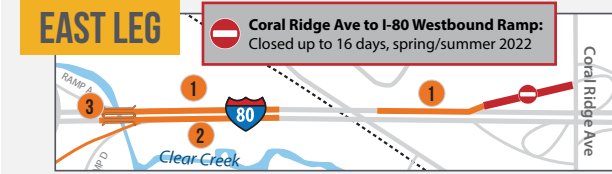


REDUCED SPEED LIMIT



OVERNIGHT CLOSURE

EAST LEG



- 1 I-80 westbound grading and paving
- 2 I-80 eastbound grading and paving
- 3 I-80 westbound and eastbound bridges over Clear Creek



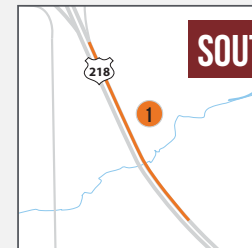
WEST LEG



- 1 I-80 eastbound grading and paving just west of I-380



SOUTH LEG



- 1 Widening, grading, and paving along approximately one mile of U.S. 218 northbound
 - During construction, traffic will be in a head-to-head condition for approximately one mile



BRIDGES

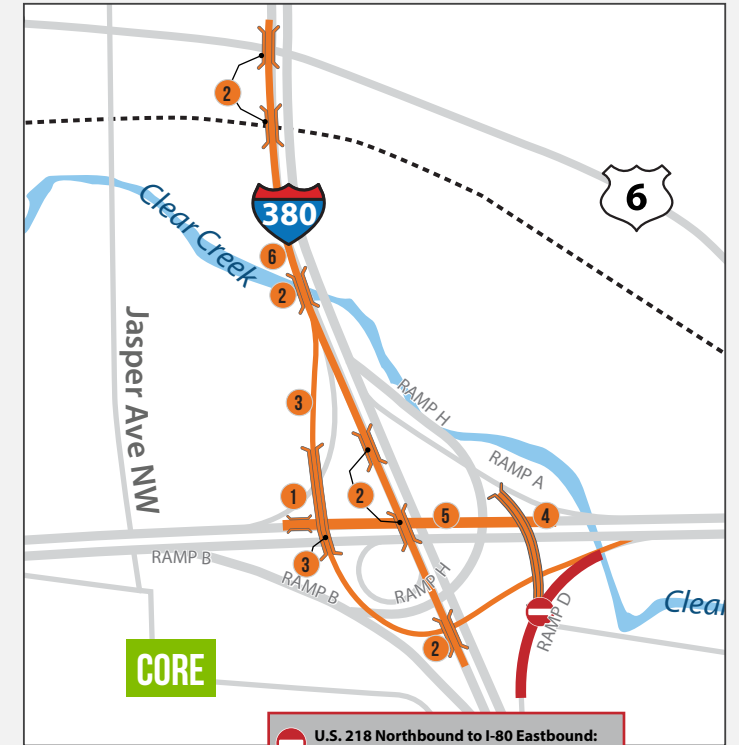
- 1 I-80 westbound bridge over future ramp
- 2 I-380 southbound bridges over U.S. 6, Iowa Interstate Rail Road, Clear Creek, I-80, and future ramps

RAMPS

- 3 I-380 southbound to I-80 eastbound ramp paving and bridge construction
- 4 U.S. 218 northbound to I-80 westbound ramp paving and bridge construction
 - I-80 westbound to U.S. 218 southbound ramp grading and paving

I-80 AND I-380 CORRIDORS

- 5 Widening, grading and paving along both directions of I-80
- 6 Widening, grading and paving along I-380 southbound



U.S. 218 Northbound to I-80 Eastbound:
Closed up to 40 days, summer 2022

U.S. 218 Northbound to I-80 Westbound:
Opens as new ramp fall/winter 2023

I-80 Westbound to U.S. 218 Southbound:
Opens as new ramp fall/winter 2023



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