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.

**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.

**Total Program Investment:** $395M

**Dollars Programmed per Fiscal Year**

<table>
<thead>
<tr>
<th>Quarter</th>
<th>Total Programmed</th>
</tr>
</thead>
<tbody>
<tr>
<td>2022</td>
<td>$137.7M</td>
</tr>
<tr>
<td>2023</td>
<td>$60M</td>
</tr>
<tr>
<td>2024</td>
<td>$12.3M</td>
</tr>
<tr>
<td>2025</td>
<td>$6.1M</td>
</tr>
</tbody>
</table>

Approved by the Transportation Commission

**Spending by Quarter**

- **First Quarter:** $13,233,899
- **Second Quarter:** $26,482,044
- **Third Quarter:** $47,841,312
- **Fourth Quarter:** $21,710,435
IRLAE AVENUE RAMP IMPROVEMENTS

The Ireland Avenue to I-80 eastbound on ramp was closed for reconstruction in the summer of 2021. The ramp was reconstructed, and connected to a new exit-only lane for I-380 northbound/U.S. 218 southbound (Exit 239). The original construction timeline prepared travelers for a closure of approximately two months, but construction crews were able to complete the project in 26 days – limiting impacts to the traveling public.

U.S. 218 SOUTHBOUND WIDENING & PAVING

A section of southbound U.S. 218 was widened and paved in the fall of 2021. The reconstructed section of U.S. 218 begins at the I-80 eastbound to U.S. 218 southbound on-ramp and stretches approximately one mile south. This reconstructed section includes a new, third lane for drivers. Construction crews were able to begin work earlier than anticipated and kept the project on schedule.

I-380 NORTHBOUND BRIDGES & PAVING

The I-380 northbound lanes traveling through the center of the interchange were widened and paved during 2021. As part of this process, six different bridges were reconstructed. These bridges include the I-380 northbound bridges over I-80, Clear Creek, the railroad, and U.S. 6.

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.

PROJECT SPOTLIGHTS

In 2021, the construction contractors on the I-80/I-380 Systems Interchange project remained motivated and engaged throughout the year to stay on schedule. In some cases, projects were finished faster than originally planned or ahead of schedule. This motivation and timeliness of project completion is a great benefit to both the Iowa DOT and the traveling public.
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-380 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.
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

I-80/I-380 SYSTEMS INTERCHANGE  2021 ANNUAL REPORT
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.

**TRAFFIC IMPACTS**

**COMMUTER IMPACT HIGHLIGHTS**

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.
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.

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
Spring 2021 Construction
Fall 2021 Construction

2021 Engagement Tools
Project Website
Emails
Social Media
Hotline
Live Traffic Cameras

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

- 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

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

TRAFFIC IMPACTS LEGEND

- Narrow lanes
- Limited shoulders
- Single lane traffic
- Reduced capacity
- Reduced speed limit
- Overnight closure

BRIDGES
- I-80 westbound bridge over future ramp
- I-380 southbound bridges over U.S. 6, Iowa Interstate Railroad, Clear Creek, I-80, and future ramps

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

U.S. 218 Northbound to I-80 Eastbound
- Closed 16 days, spring/summer 2022

U.S. 218 Northbound to I-80 Westbound
- Closed 40 days, summer 2022

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