

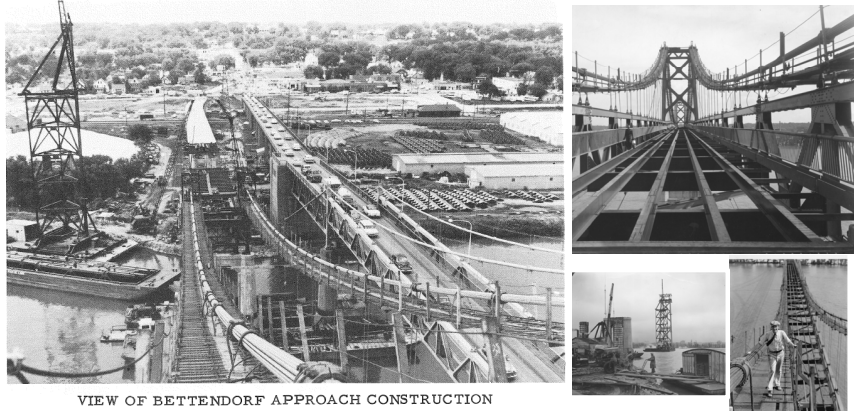


# I-74 Mississippi River Bridge Project


*Maintenance of Traffic Impacts to Local Roads*

2023 Municipal Streets Seminar



VIEW OF BETTENDORF APPROACH CONSTRUCTION




**| Aging infrastructure**




**Improving Safety & Mobility**



## One of Iowa & Illinois' largest projects in history

<b>\$1B</b> corridor improvement	Led by Iowa DOT in coordination with Illinois DOT	<b>5</b> years of construction	<b>240,000</b> cubic yards of concrete	<b>70 M</b> pounds of structural steel	<b>30 M</b> pounds of reinforcing steel
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**I74Mississippi**

## A signature landmark crossing over the nation's largest river

**I74Mississippi**

## Leading with a Vision

**“**  
*Local government, states, agencies, business groups, and others working together, speaking with a unified voice.”*  
**”**

<https://www.waod.com/news/local/drone-8-in-the-air/i-74-bridge/ohn-deere-rd-expansion-gets-il-mo-va-526-fdc-30cb-5a6c-4112-9463-71a3f4f860a>

**I74Mississippi**

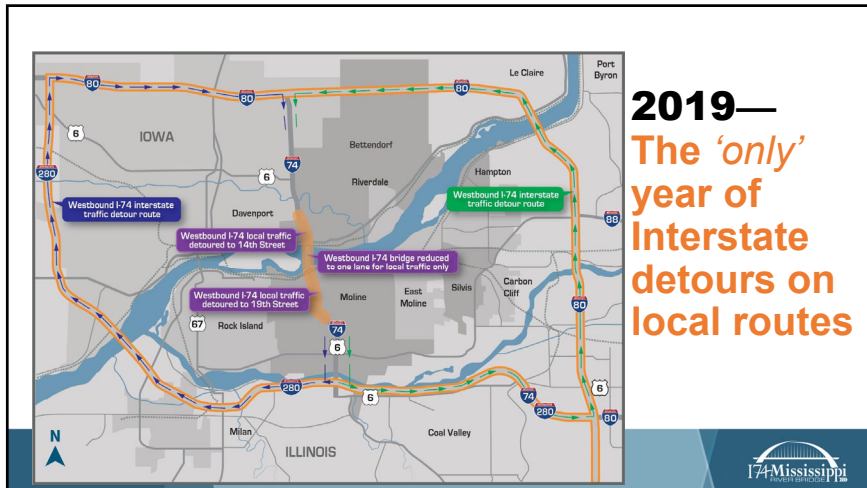
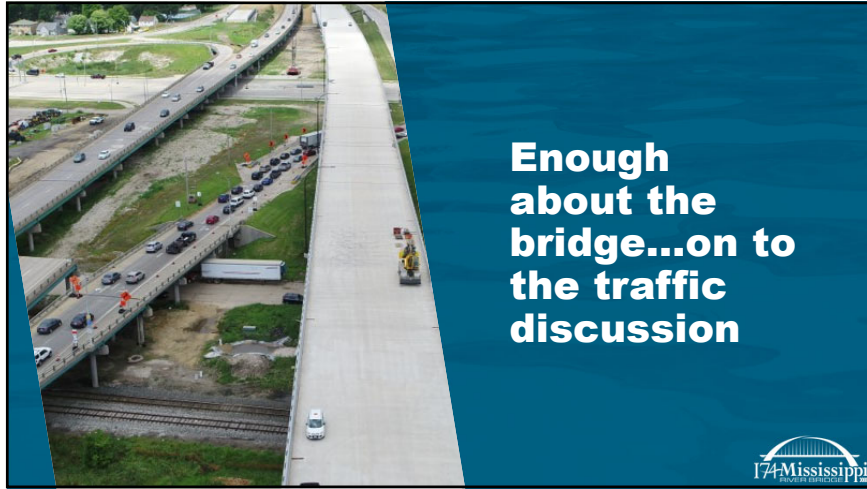
## Bringing Interstate travel into the 21<sup>st</sup> century in the Quad Cities

**2022 Multi-Award Winning Bridge**

**AMERICA'S transportation awards**

A landmark bridge the community and region can be proud of

**I74Mississippi**



## Local Roads Improvements Preparing for WB I-74 Detour

## Community Coordination

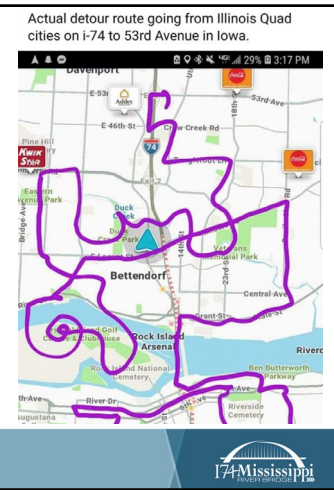
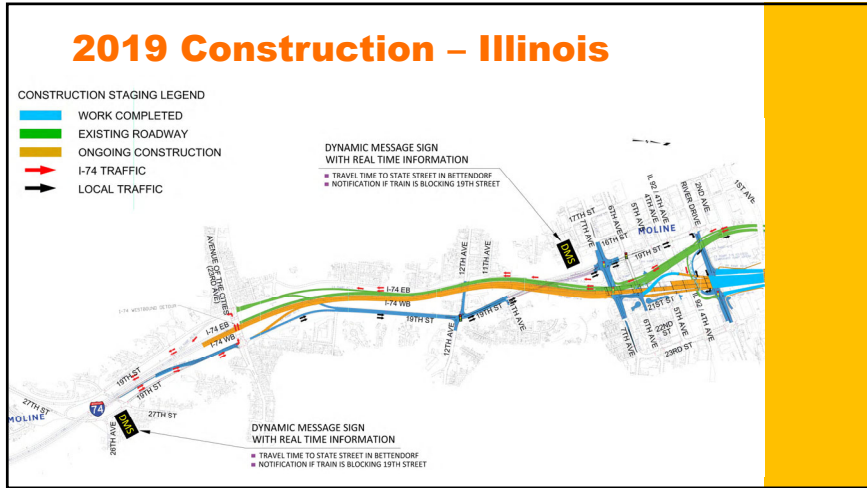
- Bettendorf, Moline, Davenport, and Rock Island
  - Weekly construction meetings
  - Monthly PIO meetings
- Emergency services coordination
  - Police and fire departments, CARS, MABAS43
- River traffic coordination
  - Channel Cat, marinas
- Event coordination
  - QC Marathon, Floatzilla, YMCA Regatta

### Complex projects require extensive coordination

## Public Outreach

- Media outreach
  - Press releases
  - News conferences
- Detour maps and video
- Eblast and social media announcements
- Website announcement with detour maps
- Provide detour materials to cities, chambers
- Speaker's bureau
- Webcams
- Virtual Reality Experience

## WB I-74 is Detoured




WE MAY BE CHANGING YOUR ROUTE, BUT NOT YOUR DESTINATION.

Access to downtown, businesses, and special events will be open through construction.




## Challenges & Solutions

Letting Date: April 25, 2017 Contract ID: 82-0741-198-1

It is further understood and agreed that the above work shall be commenced on the following schedule:

SITE NUMBER	CONTRACT PERIOD /SITE DESCRIPTION
CONTRACT COMPLETION DATE: 12/31/2020	
01	CONTRACT COMPLETION DATE: 11/26/2019 COMPLETE STAGE 2
02	CONTRACT COMPLETION DATE: 11/24/2020 COMPLETE STAGE 3



**Navigate schedule impacts**

**Adapt to improve access throughout construction**





**DURING THE POLAR VORTEX**

**DO NOT SNEEZE**





**TRAFFIC FLOWING NICELY THIS MORNING ON RIVER DRIVE**

**Come hell or high water**

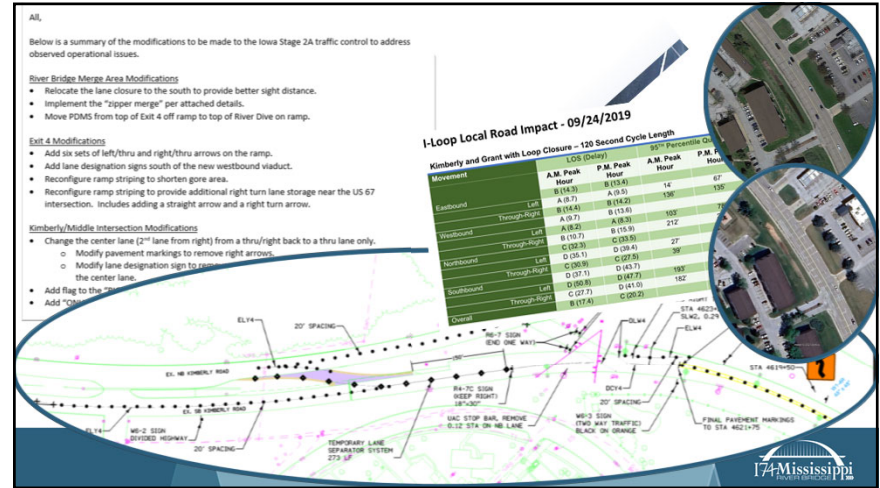
**Challenges & Solutions**

**Iowa Side**

**A ZIPPER MERGE IS THE WAY TO GO!**

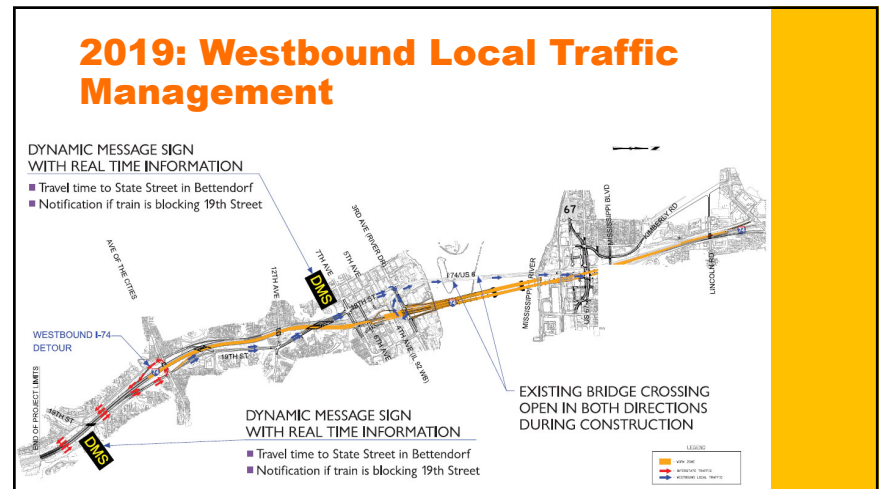
- 1 Use both lanes.
- 2 Resist the urge to merge early.
- 3 Each car in the right lane should allow one car to merge in front of them.

Smooth moves, QC! This is how a zipper merge is done. By using both lanes and merging at the end of the lane during backups, drivers can reduce congestion on the ramps and River Drive and keep traffic moving smoothly. #teamworkmakesthemergework



# Challenges & Solutions


## Illinois Side





## Pinch Points & Improvements

- **Train delays in Moline**
  - Approximately 12-18 minutes on average
  - 5-15 trains per day on average
- **Dual right turn-lanes not used in certain locations**
  - Removed dual turn-lanes
  - Free-flow right turn onto the lowa-bound ramp
- **Traffic stopping in intersections and on RR tracks**
  - Signs installed



## WB Modified Traffic Pattern


The I-74 Bridge detour sign is a mood.



Becki Hart Morning commute at 7 was amazing! Thank you so much Bridge Crews!! I anticipated this year to be long and horrible, but you've continually looked for ways to improve and smooth out our commutes.





## EB Modified Traffic Pattern

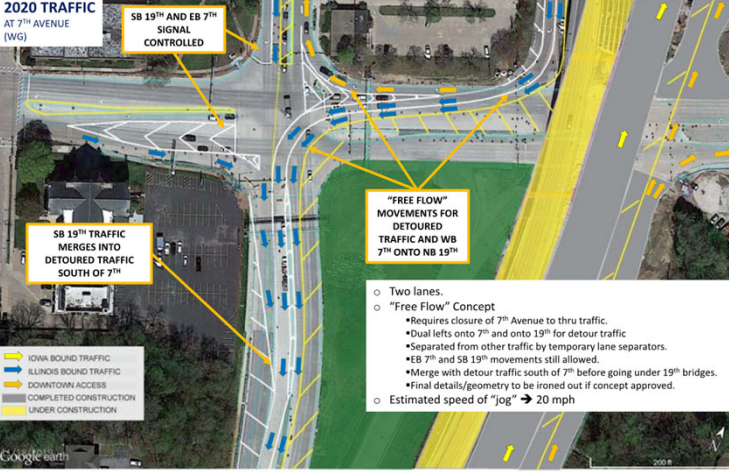


**Required NEPA re-evaluation**

**Public meeting held Dec. 11, 2019**



## 2020 TRAFFIC AT 7<sup>TH</sup> AVENUE (WG)



- Two lanes.
- "Free Flow" Concept
  - Requires closure of 7<sup>th</sup> Avenue to thru traffic.
  - Dual lefts onto 7<sup>th</sup> and onto 19<sup>th</sup> for detour traffic
  - Separated from other traffic by temporary lane separators.
  - EB 7<sup>th</sup> and SB 19<sup>th</sup> movements still allowed.
  - Merge with detour traffic south of 7<sup>th</sup> before going under 19<sup>th</sup> bridges.
  - Final details/geometry to be ironed out if concept approved.
- Estimated speed of "jog" → 20 mph

Legend:  
 IOWA BOUND TRAFFIC (Yellow)  
 ILLINOIS BOUND TRAFFIC (Blue)  
 DOWNTOWN ACCESS (Purple)  
 COMPLETED CONSTRUCTION (Grey)  
 UNDER CONSTRUCTION (Light Blue)

## General Traffic Trends

- Public outreach influences driver behavior
- Number of motorists traveling through the corridor lower than anticipated
- Each community (and its drivers) is a bit different
  - Flexibility will be needed
  - Level of service expectations

**Amber Linley Duitsman**  
I've taken the new route twice now towards Iowa with the U-turn and it's pretty slick! Huge improvement!  
2w Love Reply

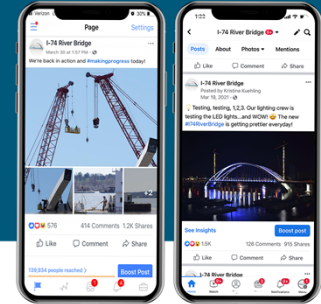
**Taylor Adams**  
This is great! Thank you to all involved from design, to engineering, to the laborers and operators on the job, and the list goes on. I have driven the Illinois to Iowa commute daily for nearly 10 years and quite honestly, it could be much worse! It's very much appreciated that the new traffic patterns have been developed with the motorists convenience at the forefront of their attention.  
2w Love Reply



## Proactive Public Engagement

**Liz Heike** These pictures really help me realize what an impressive project this is and I think it's really important that the pictures focus on all the hands on work of the crews. Wow what an amazing construction right here in the Quad-Cities!!!!

**Brian Johnson** I love how much documentation is going into this project. Makes me feel like I'm a part of it almost. Only better thing would be to take a boat out there and walk around myself! Wish that could happen haha



- 1.4 M website views
- 7.6 M views of the project webcams
- 30,000+ public comments
- 22,000+ social media followers
- 100+ media interviews
- 100+ tours and presentations



## Celebrating Success



## "Behind the Scenes" View

**Thomas Rountree** This is simply stated, amazing. I watch this project, process every day and am constantly amazed. Great job to all and above all, stay safe. Next goal, Illinois bound. So proud of all involved and thanks for these great updates.



## A grand celebration

## Inspiring awe & pride

*"We had no idea it was going to be this awesome."* WHBF

*"People will come from all over to visit here and walk or bike the bridge"* Quad-City Times

*"It's not just a bridge. We helped build it."* WQAD

*"The new bridge helps us get motivated to do bigger things"* Quad Cities Regional Business Journal

**“**  
*"That was very enjoyable and very memorable. My 10-year-old will forever remember this."*  
**”**

*"The I-74 River Bridge is a testament to what is possible when we work together to build a better Midwest."*  
Illinois Governor JB Pritzker

*"The I-74 River Bridge is yet another example of bold leadership delivering the type of improvements in infrastructure that will keep this region competitive."*  
Secretary Omer Osman, IODT

*"This new bridge... provides exceptional opportunities to strengthen the economies of Iowa and Illinois and improve regional and global options for moving goods."*  
Iowa Governor Kim Reynolds

*"We gather to celebrate nearly 25 years of planning, coordination, and hard work on the single largest transportation project in the history of Iowa."*  
Director Scott Marler, Iowa DOT

## Bold leadership, collaboration, and teamwork

## Making lives better through transportation

**“** *Just the start of great things to come.* **”**

