



# I-43 BROWN STREET TO CAPITOL DRIVE

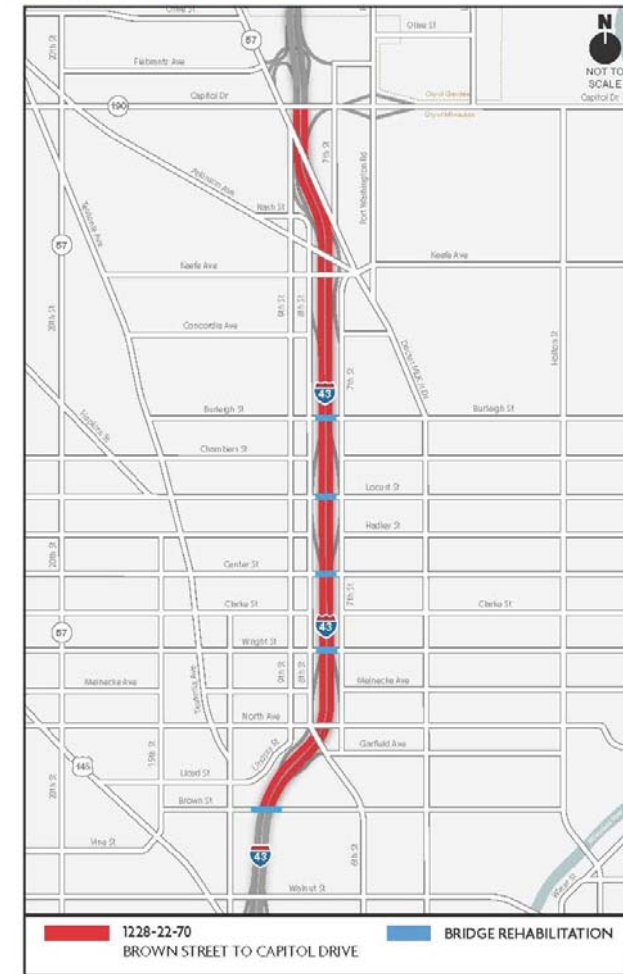
Milwaukee County  
October, 2021

Project I.D. 1228-22-00

# I-43 REHABILITATION

## Brown St. – Capitol Dr.

### PROJECT LOCATION



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# OVERVIEW OF PROJECT PURPOSE

- Project: I-43 from Brown Street to Capitol Drive
  - Rehabilitation of bridges and pavement
  - Safety improvements
  - Improve traffic flow in project corridor



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# PROJECT NEED

- Built between 1959 and 1962
- Address deteriorating bridge and pavement conditions
- Address the most critical bridge needs
- Will not preclude future modifications
- Safety and operation needs will be addressed within the context of the pavement and structural deficiencies



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# PROJECT NEED – TRAFFIC

## **2013-2017 CRASH STATISTICS**

- 861 crashes
  - 355 northbound
  - 506 southbound
- Crash rate is 43% higher than the statewide average

## **DEFICIENCIES**

- Poor pavement
- Structural deficiencies
- Substandard geometry



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# ALTERNATIVES

## No Build Alternative

- Continue to maintain the pavement, bridges and ramps
- No safety improvements
- Does not meet project purpose and need

## Build Alternative #1:

- Improve the corridor pavement and bridges
- Install parallel entrance and exit ramps

## Build Alternative #2: (WisDOT Preferred Alternative)

- Improve the corridor pavement and bridges
- Extend merge transition lane near North Avenue
- Add auxiliary lanes and parallel entrance/exit ramps



# RECOMMENDED IMPROVEMENTS



- Stay within existing right-of-way
- Allow for merging at straighter location
- Allow drivers more distance to enter/exit
- Repair bridges: Brown, Wright, Center, Locust, Burleigh
- Coordination with City DPW, County DOT/MCTS



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# REHABILITATE PAVEMENT

- Deteriorated pavement
- Uneven ride surface
- Mill and overlay from Brown Street to Capitol Drive



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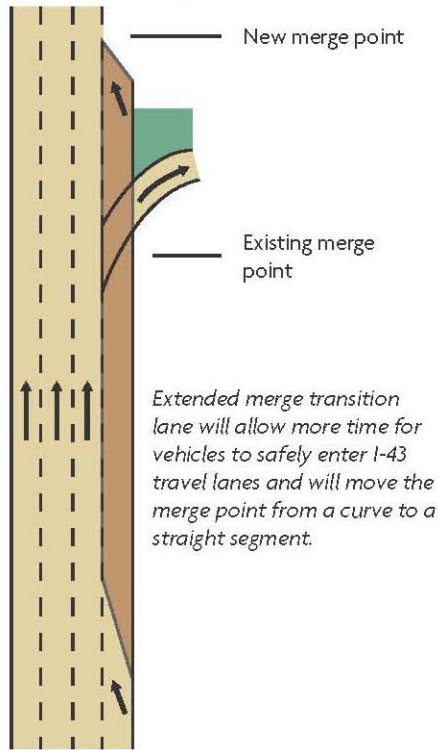
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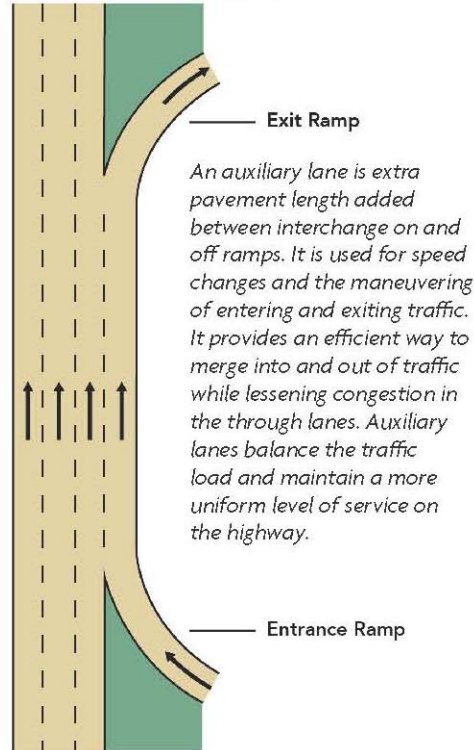


# OPERATION IMPROVEMENTS

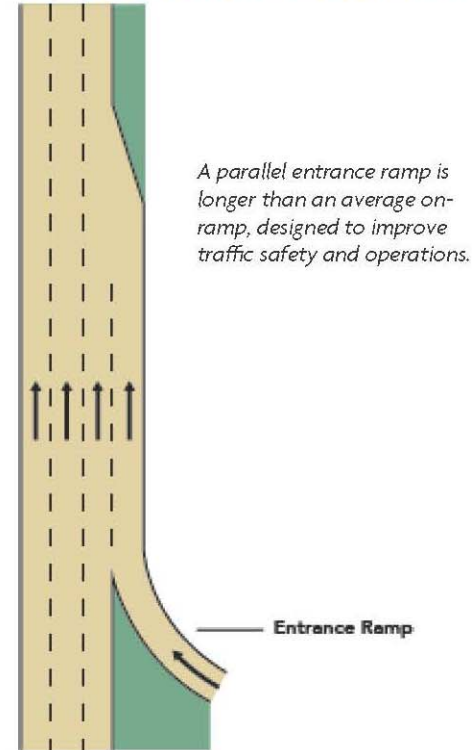
## MERGE TRANSITION



## AUXILIARY LANE



## PARALLEL ENTRANCE RAMP



These modifications provide more time for vehicles to merge into and out of traffic



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# SAFETY IMPROVEMENTS

- Smoother lane transitions for lane drops or adds
- Installation of auxiliary lanes parallel on and off ramps
- Wider outside shoulder (on average) – this counters the narrower inside shoulder and bridge pinch points
- High friction surface treatment at accident locations
- Improved pavement markings and signing
- Upgraded FTMS
- Improved drainage



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# PLANNED BRIDGE WORK

- Brown Street – Concrete Deck Overlay and Paint
- Wright Street – Concrete Deck Overlay and Paint
- Center Street – Paint
- Locust Street – Deck Replacement and Paint
- Burleigh Street – Deck Replacement and Paint



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# NOISE STUDY - preliminary

- Studied as part of environmental document
- Locations will be reexamined with final alternative – preliminary recommendations:
  - East of I-43 – Locust to Keefe
  - East of I-43 – Capitol off-ramp
  - West of I-43 – Chamber to Keefe
  - West of I-43 – Brown to Walnut
- Owners and renters in *impacted and benefited* locations get a vote



**Example rendering –  
I-43 in Glendale**



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# ANTICIPATED SCHEDULE

- 2021
  - Finalize environmental Study
  - Public outreach
  - Noise barrier public process
- 2022
  - Finalize plans
- Late 2022-mid 2024
  - Construction



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# PUBLIC INVOLVEMENT

- Newsletter – mailed August 20; sent to 8,000 addresses
- Public involvement meeting on September 15
- Other groups and events
  - D5 National Night Out
  - Targeted neighborhood and business groups outreach
- Noise barrier process – will depend on final design alternative
  - Noise wall locations studied.
  - Any feasible and reasonable noise walls will go through an approval process with the most benefited and impacted property owners
  - Public process early 2022
  - Eligible voters – owners and renters of benefited properties **only**



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THANKS FOR YOUR TIME!

ANY QUESTIONS?



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