



# MAIN STREET BRIDGE OVER THE GREAT MIAMI RIVER MOT-SR48-13.20, PID 88775



## Why is the project needed?

The project is necessary to address the deteriorated condition of the bridge, constructed in 1956.

Many of the elements of the bridge have experienced substantial deterioration. Failure to address these conditions will lead to the posting of load limits and the eventual closure of the bridge as unsafe for traffic.

The project provides the opportunity to improve the pedestrian facilities on the bridge and to offer additional aesthetic treatments.

## What will the project involve?

The bridge superstructure, deck, and backwalls will be replaced. The abutments, wingwalls and piers will be patched and sealed. Storm pipes that outlet at the abutments will be lined.

## When will the project occur?

The project is expected to begin in early 2018 and continue through the fall of 2019.

### Existing Conditions:

- 5 riveted steel girder spans
- Bridge Limits = 597 feet
- Two 11' NB lanes, two 11' SB lanes, one 11' turn lane
- Two 6'-4" wide sidewalks
- Vehicular street lighting
- Pedestrian concrete parapet
- Overhead RTA trolley wires
- No under bridge lighting

### Proposed Conditions:

- Five welded steel girder spans
- Bridge Limits = 597 feet
- Two 11' NB lanes, two 11' SB lanes, one 11' turn lane
- Two 10' wide sidewalks
- Vehicular street lighting
- Pedestrian concrete parapet
- Overhead RTA trolley wires
- Wall-mounted security lighting for multi-use trail

# How will traffic be maintained during construction?

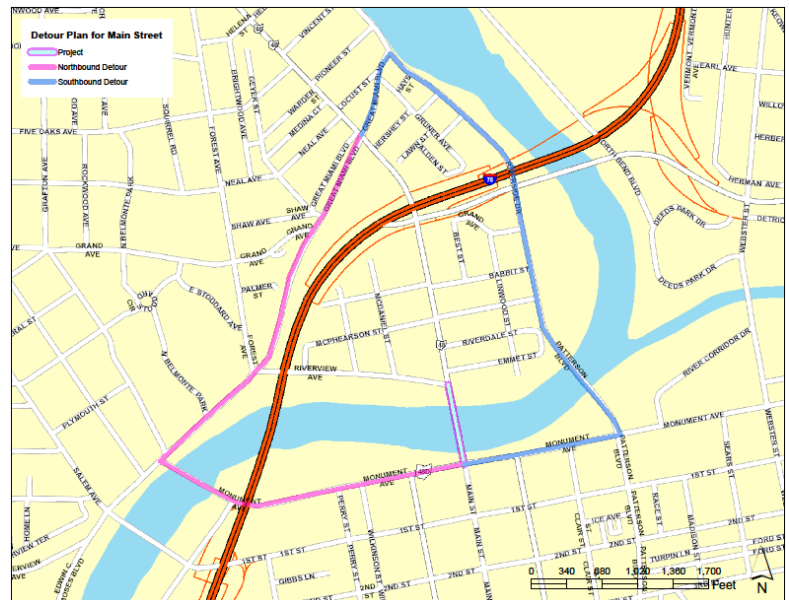
ODOT is aware of the importance of this key entry to the city. During this two-year project, we are committed to minimizing traffic disruption for all users: motorists, cyclists, pedestrians, and the boating public.

## Traffic on the bridge:

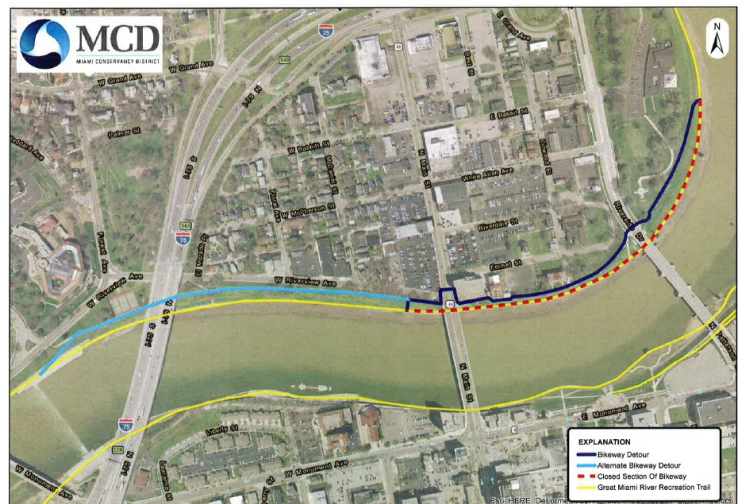
The new bridge deck and superstructure will be constructed using “part-width” construction. This will allow us to maintain one lane of traffic in each direction, with the following exceptions:

- Approximately 14 weekend closures, to allow for steel beam demolition and new steel erection.
- Approximately 4 nightly closures, to allow for placement of the new concrete deck.

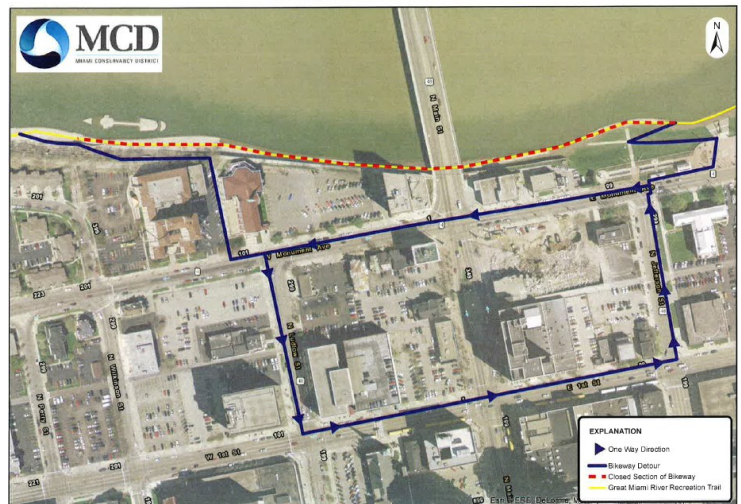
ODOT is partnering closely with the City of Dayton and Five Rivers MetroParks on the scheduling of these necessary closures.



Bikeway Detour Route-North Bank



Bikeway Detour Route-South Bank



## Traffic under the bridge:

Traffic on the Great Miami River Recreation Trail and the Great Miami River Water Trail will be maintained when safe for users. However, occasional closures, including nights and weekends discussed above, will be required to protect trail users during overhead work. Additionally, the Great Miami River Water Trail may be restricted to specific spans within the stream channel.

A signed detour and advance notice of the detour will be provided on the Recreation Trail. Appropriate notice will be provided on the River Trail to direct boaters to the appropriate bridge span.





## How will the project affect recreational resources?

ODOT has committed to constructing this project from overhead, to avoid impacts to the Great Miami River and minimize impacts to area recreational resources. However, as discussed under the maintenance of traffic question, occasional closures of the Great Miami River Recreational Trail and the Great Miami River Water Trail will be required to protect users.

The project will also require minor temporary and permanent acquisition from the Miami Conservancy District, including land protected under the Land & Water Conservation Act. To compensate for the acquisition, ODOT is working with the City of Dayton to expand nearby Five Oaks Park.



## What will happen to the Dayton Inventor's River Walk plaques?

The plaques will be reinstalled on the new bridge.



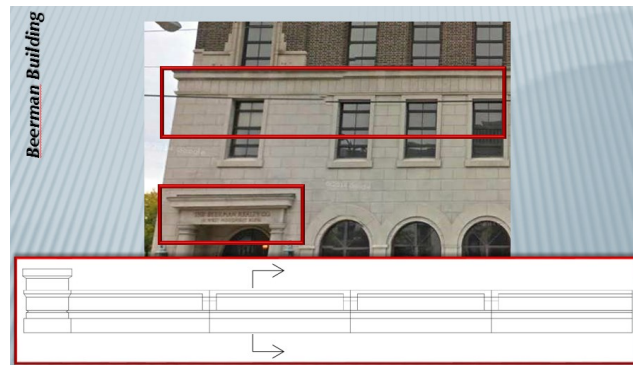
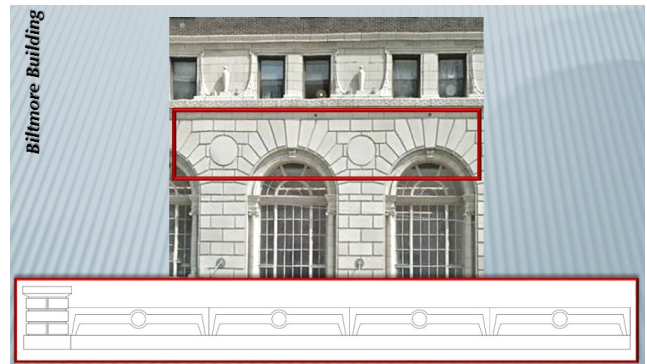
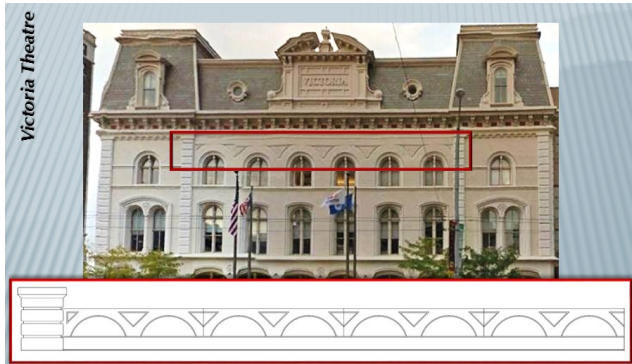
## What style of lighting will be provided on the bridge?

On the top of the bridge, ODOT proposes lighting of similar design to that used along the nearby River Walk. Standard wall-mount lights will be used under the bridge to light the Great Miami River Recreation Trail.

## What other aesthetic treatments will be included on the bridge?

The City of Dayton is home to many important historic buildings. ODOT proposes to utilize a decorative form liner on the bridge parapets that reflects one of these nearby treasures.

Please use the comment form to provide your input on the preferred style and color.



## Whom do I contact for more information?

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## **MAIN STREET BRIDGE OVER THE GREAT MIAMI RIVER MOT-SR48-13.20, PID 88775**



*The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried-out by ODOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated 12/11/2015, and executed by FHWA and ODOT.*