



Project Information

PROJECT DESCRIPTION AND NEED

What Is the Purpose of the Project?

The purpose of the proposed project is to maintain a safe, **long-term King Avenue/Grandin Road bridge crossing over the Little Miami River** in Deerfield and Hamilton Townships.

Why is the Project Needed?

- The King Avenue Bridge has been **steadily deteriorating** based on recent annual bridge inspections performed by the Warren County Engineer's Office.
- The bridge currently has an inspection General Appraisal rating of 4 based on a 1-9 rating system used by the Ohio Department of Transportation. A rating of 9 would be a new bridge and a 0 rating would be a bridge failure. **A bridge with a rating of 4 is considered to be in "Poor" condition.**
- Due to recent bridge beam deterioration, an updated load rating calculation was performed. Based on the load rating results, it was decided on January 26, 2016 to post signs on each bridge approach **requiring load limits** on the bridge under Ohio Legal Loads.

What Specific Improvements Will Be Made?

- A decision **has not yet been made** on what specific improvements will be implemented. This will be determined once a Preferred Alternative is selected. **Public input received at tonight's meeting will be used in the Preferred Alternative decision-making process.**
- **Three preliminary alternatives** are currently being considered for this project, including no improvements (No Build), rehabilitate the existing bridge, and construct a new bridge, as further described below:

Alternative 1 No Build	<ul style="list-style-type: none"> • In the future, the existing bridge will be permanently closed to all traffic when no longer structurally sound • Approximate construction cost: \$700,000
Alternative 2 Rehabilitate Existing Bridge	<ul style="list-style-type: none"> • Construct new abutments and a new, slightly wider bridge deck at existing bridge crossing location • Utilize existing bridge piers • No changes/improvements to adjacent roadway approaches • Trucks remain prohibited from using the bridge crossing (due to roadway approaches) • Road closure/detour required during construction • Brief Little Miami Scenic Trail closure(s) may be required during construction • Approximate construction cost: \$3,300,000
Alternative 3 New Bridge	<ul style="list-style-type: none"> • Construct a new, wider bridge upstream of the existing bridge • New bridge clear spans the Little Miami River (no piers in the river) • Remove existing bridge deck, abutments, and piers • Realign/improve adjacent roadway approaches (eliminates poor geometry) • New bridge and improved roadway will be open for truck use • New bridge may also allow for pedestrian and bike use • Traffic primarily maintained during construction (some short duration closures anticipated) • Realign Little Miami Scenic Trail under roadway • Construct new paved parking lot for trail users • Little Miami Scenic Trail closure(s) anticipated during construction • Approximate construction cost: \$8,500,000

PROJECT SCHEDULE

This project is currently in the preliminary planning and engineering stages and a **detailed project schedule has not yet been defined**. The project schedule will vary depending on which alternative is selected as the Preferred Alternative. At this time, the Warren County Engineer's Office tentatively anticipates the following schedules (subject to change):

- Alternative 1 (No Build): **Bridge closure and posted detour date TBD by the future condition of the bridge**
- Alternative 2 (Rehab Bridge): **Right of Way Acquisition.....2021 • Construction.....May-September 2023**
- Alternative 3 (New Bridge): **Right of Way Acquisition.....2021 • Construction.....April-October 2023**