

## **Replacement of the Louisville and Indiana Railroad bridge over the Flatrock River**

Due to extensive age and deterioration the bridge is to be replaced. The Contractor chosen by the railroad to perform the work is JB Fay Company. The project will involve the complete removal of the existing two span iron truss bridge and replacement with a single span through plate girder bridge on new concrete drilled shafts, including replacement of the thirteen overflow spans on either side of the bridge. The bridge will be raised above the floodway elevation. Construction will take place in 2017.

Two staging areas will be used by the Contractor. One is on property northwest of the bridge and the other will be at the circle drive in Noblitt Park. The area will be fenced for security and public safety. The Columbus People Trail will be closed within the circle drive area and an alternate route through the gravel parking area will be used - similar to the route used while the former riverside section was closed. (See attached map)

To provide access and accessibility for the cranes and drilling rigs, 30' wide access paths are required from the staging areas to the river, along both sides of the track. Trees will be removed along this path and stone installed for the driving surface. Drilling for the new concrete piling will be performed at each pier location, just outside the current pier locations. These will support the new pier caps and track. A temporary support structure will be installed in the river adjacent to the track. This will allow for assembly of the new bridge while the track is still in use. At the final stages, the track will be closed for four days while the existing bridge is removed and the new bridge slid into place. New track will be placed and final embankment completed. Removal of the access paths and final grading and cleanup will complete the project.

An outline of the anticipated schedule is as follows:

- First equipment and supplies delivered. Staging areas initiated.
- Removal of trees and installation of temporary access roads
- Tree removal to be completed prior to April 1.
- Drilling of support shafts and installation of temporary bridge.
- Preassembly of bridge on temporary support
- Removal of existing bridge and installation of new. Install approach spans.
- Demolish stone piers. Remove access roads and staging areas.
- Planting of mitigation areas and Park restoration.

Items previously discussed with Park Dept.

- The contractor to remove pieces of steel bridge located in Noblitt Park next to people trail area.
- Park Dept to retain stones removed from existing piers. Contractor to stack in Park.
- Contractor to notify Park Dept. one week prior to bringing any equipment on-site.
- Contractor to update Park Dept. of any changes in schedule that may affect the property.
- Park Dept. have desire for any of the access path stone?

Bridge Replacement

30' tree removal

small trees in this area - approx 5-7

Chain Link Fence

15' tree removal

High Water Refuge Area

Barricade moved from former location

Noblitt Park Construction Staging Area  
Flatrock River Bridge Replacement  
City of Columbus, Indiana

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feet  
meters





Photo 1. Flatrock River bridge and spans looking north



Photo 2. Looking north along tracks