

I-80 Old Plank Road Trail Bridge Replacement



PROJECT DESCRIPTION

Ciorba Group prepared design plans and specifications for the pedestrian bridge replacement of Old Plank Road Trail over I-80. The bridge will be entirely removed and replaced to accommodate the reconstruction of the I-80 at US Route 30 interchange. The improvements at the interchange are necessary to address existing and future safety and capacity deficiencies.

The Old Plank Road Trail is a 21-mile regional, recreational trail, running from Park Forest in Cook County to Park Road in Joliet Township. The trail crosses over I-80 on a converted railroad bridge located 0.30 miles southwest of US Route 30. The Old Plank Road Trail is operated by the Forest Preserve District of Will County (FPDWC).

The new trail bridge will be built along the east side of the existing structure to keep the existing trail in operation during construction. The new bridge will be connected to the

existing multi-use trail by widening the embankments on the approaches to the bridge. A short term closure of the trail will be allowed for the placement of the new structure over I-80.

The trail was realigned to avoid impacts to existing trees and vegetation. The trail was designed in accordance with the FPDWC standards. The minimum proposed vertical clearance for the new bridge will be 17'-3" above the reconstructed I-80. The new bridge will accommodate a minimum 10,000 pound vehicle per the FPDWC standards for occasional use by maintenance vehicles. Plans and specifications included maintenance of traffic plans and drainage plans on I-80.

Coordination with the Forest Preserve District of Will County was required during design to minimize impacts to the trail during construction.

LOCATION

Will County, IL

CLIENT

Illinois Department of Transportation,
District One

CONTACT

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CONSTRUCTION COST

\$1.3 Million

PROJECT TEAM

Project Manager
Duane O'Laughlin, PE
Lead Structural Engineer
Brett Sauter, PE, SE
Lead Water Resources Engineer
Tony Wolff, PE, CFM

SCOPE OF SERVICE

► Final Design