

Nash Creek Pedestrian Bridge

Owner: Village of Sparta

Contact Person:

Mr. Martin Super, Village Manager
(616) 887-8251

Location of Project: Village of Sparta, Kent
County, Michigan

Completion Date: 2013

Actual Construction Cost: \$124,306.58

Project Team:

Zachary Voogt, P.E., Project Manager
Timothy Hoffert, P.E., Project Engineer

Project Description:

This project included replacement of a deteriorating pedestrian bridge over Nash Creek to Balyeat Field where the Village holds regular events and activities. The existing bridge was crumbling and did not provide ADA accessible access from the parking lot to the field. New foundations and abutment walls were constructed behind the existing abutment walls and a new 50-foot long solid core precast concrete plank bridge was placed with no impact to the flowing creek. Custom fabricated steel hand rails were then installed on the bridge. ADA accessible approaches were constructed on either end of the bridge including 100 feet of boardwalk on the east side of the bridge to transition from the bridge elevation down to field elevation.

Replacement of the deteriorating pedestrian bridge included constructing new footings and abutment walls behind existing bridge foundations while working adjacent to flooding Nash Creek. Solid core precast planks, each 50' long, were placed on new abutments and capped. An ADA accessible ramp was constructed on the east approach to the bridge to allow full access to Bayleat Field.



Before Construction



After Construction

www.mbce.com 616-363-9801

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