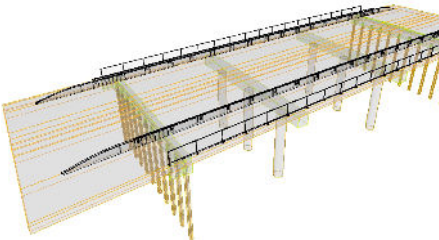


MANUFACTURING DRIVE RECONSTRUCTION (US 30 TO COLLEGE AVENUE)

CLINTON, IOWA



PROJECT DESCRIPTION

McClure is providing the City of Clinton, Iowa, survey, roadway, drainage, hydraulics, bridge, and geotechnical design for the reconstruction of 1.6 miles of roadway, from US 30 to College Boulevard. The reconstruction of this busy section of Manufacturing Drive with numerous businesses and utilities nearby along the corridor requires the use of retaining walls and other strategies to mitigate impacts to the businesses and the environment.

The project includes railroad coordination, reconstruction of multiple sideroads with porous pavers, construction of a roundabout at the Manufacturing Drive and S. 19th Street, a new stormwater system, bioswales, and other green infrastructure including LED street lights. Also included are a sidewalk and a shared-use trail along each side of the roadway alignment, along with two replacement bridges on Manufacturing Drive over Hart's Mill Creek and Mill Creek.

The bridges are in a detailed Flood Insurance Study area with a certified levee system, requiring coordination and permitting through the Iowa DNR and US Army Corps of Engineers. The Hart's Mill Creek bridge will be a three-span Continuous Concrete Slab bridge, with driven pile-supported integral abutments and frame piers on drilled shafts. The Mill Creek bridge will be a three-span Pretensioned Prestressed Concrete Beam bridge with semi-integral abutments and frame piers both supported by drilled shafts.

COMPLETION DATE

Estimated 2013

COST OF SERVICES

Estimated: \$14.5M

REFERENCE

Jason Craft, PE
City Engineer
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PROJECT HIGHLIGHTS:

- Intersection improvements, sight distance improvements, horizontal and vertical alignment, lane widths to reduce the number and severity of crashes.
- Drainage improvements; the project will improve the 100 year old pavement that is currently in poor condition and will reduce the impacts of flooding on the roadways, such as reducing pollutants entering the storm water system and preventing vehicles from traversing the flooded roadway.
- Replacement of two bridges that are currently too low and too narrow.
- Allow for partnerships for improved essential services.
- Convert the existing roadway to three lanes throughout the entire corridor.
- Replace the skewed S. 19th Street intersection with a roundabout, the first in the City of Clinton.