

**Green Mount Road ■ Hydraulic Reports
Belleville, Illinois**

Civil Engineering – Hydraulics Subconsultant

Millennia Professional Services was retained by Lochmueller Group, in concert with the Illinois Department of Transportation, to provide hydraulic modeling, design guidance, permitting and hydraulic reports for multiple creek crossings, channel modifications, and stream bank stabilization on this various-various contract.

This project involves improving the transportation and safety on Green Mount Road from the intersection of IL Route 161 to IL Route 177 in Belleville, St. Clair County, Illinois, for a total project distance of approximately 1.0 mile. This section of Green Mount Road is considered for improvement based on the crash history, traffic volumes, and the existing roadway design. The hydraulic report proposed a new three-span bridge with piers, requiring detailed scour analysis.

Clients:

Lochmueller Group
1928 SRA Bradley R Smith Drive
Troy, IL 62294
Phone: 618-667-1414

Illinois Department of Transportation
District 8
1102 Eastport Plaza Drive
Collinsville, IL 62234-6198
Phone: 618.346.3245



Engineering Services Provided:

- Field Observation Visits
- Project Narrative
- Waterway Information Tables
- Hydraulic Report Data Sheets
- Hydrology using StreamStats
- Hydraulics Analyses using HEC-RAS
- Modeling for Natural, Existing, and Proposed Conditions
- Freeboard Analysis and Design Recommendations
- Hydraulic Survey Data Exhibits
- Hydraulic Report
- Bureau of Bridges and Structures Permitting
- Scour Analysis

