

**SCHMIDT ROAD STRUCTURE REPLACEMENT
BOLINGBROOK, ILLINOIS**



Services on this federally funded project consisted of planning (Phase 1) and design (Phase 2) services for complete replacement of the multi-culvert crossing carrying Schmidt Road over Lily Cache Creek. Services included route and stream surveys, development of a Bridge Condition Report, hydraulic analysis, hydraulic reports, preparation of a Project Development Report and final structure and roadway plans. The complex hydraulics and hydrology required extensive analysis of the confluence of two streams which the frequently flooded Lily Cache Road as well as analysis of the floodplain along Lily Cache Creek at the intersection of Schmidt Road at Lily Cache Road. Land acquisition support services following the federal highway administration standards were also provided for the acquisition of park lands adjacent to the structure. Utility work included a major regional water main relocation shoring of fiber optics and other communications and new roadway lighting. The project required coordination and permit submittals and approvals from the United States Army Corps of Engineers, Illinois Environmental Protection Agency, Illinois Department of Natural Resources – Office of Water Resources and Illinois Department of Transportation.

Services Provided:

- Planning (phase 1)
- Design (phase 2)
- Geotechnical Investigation & Report
- Survey
- Hydraulic Analysis and Report
- Structural Design
- Land Acquisition Support
- Roadway Design
- Permitting

This project reflects Firm
and Staff experience.

