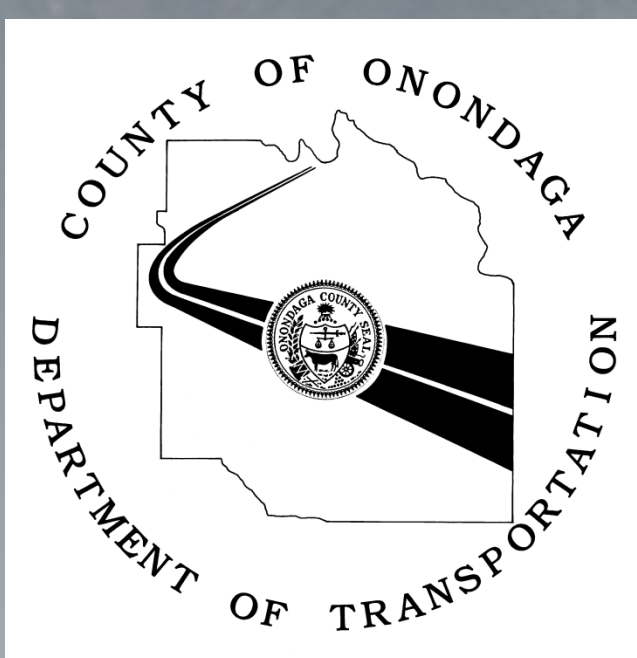


SYRACUSE-CEDARVALE ROAD GRAND AVE. (C.R. 39)



Onondaga County, New York

Owner/Client



Scope

- Civil Engineering**
- Roadway Reconstruction & Rehabilitation Design
 - Intersection Design
 - Traffic Signal Design
 - Stormwater Drainage
 - Phase II SWPPP, Soil Erosion & Sediment Control
 - Stormwater Design, Outfall Compliance
 - Stream Relocation, Bank Stabilization & Fish Habitat Structures
 - MP&T, On-site Detours & Staging
 - SPDES Permitting
 - Permitting

Construction Cost
\$4,200,000

Engineering Consultant



Structural Engineering

- Large Box Culvert Design and Staging
- Stabilized Slope & Wall Designs

Surveying

- Topographic Survey with 50 foot Cross Sections
- Property Line Survey
- ROW Mapping

Before



After



Before



After

