



CULVERT REPLACEMENT AT VARIOUS LOCATIONS IN NYSDOT REGION 4



Existing Conditions at six culvert locations

Owner:

*New York State Department of
Transportation*

Location:

*Monroe, Livingston, Wyoming
Counties*

Completion Date:

2003

Services:

- *Preliminary Design*
- *Final Design*
- *Environmental Studies*

Watts Engineers, in the role of prime consultant, was responsible for the final plans, specifications, and cost estimates for the replacement of 16 box culverts at various locations in NYSDOT Region 4. This work was let under two sets of contract documents.

During preliminary design, preferred replacement methods were developed with the client for each site. Selected methods included slip-lining and conventional replacement. Other unique elements included an energy dissipater, special inlet structures, sheet piling, utility relocations, and a soldier pile wall. Maintenance and protection of traffic schemes were developed for each site including off-site detours and staged construction. Upgrades to guide railing at each site were included as necessitated by the culvert replacement.