

## East Wakefield Boulevard Winchester, CT

### Project Description:

#### Location

Winchester, CT

#### Owner

City of Winchester

#### Duration

2003-2004

#### Prime/Sub

Prime

#### Construction Cost

\$700,000

AI Engineers, Inc. was selected by the City of Winchester to prepare plans and contract documents for the realignment of East Wakefield Boulevard as part of Connecticut Department of Transportation's STP Hazard Elimination Program. The responsibility of the firm included field survey, preliminary design and the final design documents for the safety improvements of the existing roadway.

The project consisted of realigning 1,000 ft of existing local road. The anticipated alignment included 700 ft of cut into an existing hillside, up to 25 ft deep to improve horizontal alignment and vertical sight distance.

Services included horizontal and vertical alignment design, drainage and hydraulic design, signing and pavement marking design, preparation of property/easement maps, and applicable environmental permits. Traffic controls were developed for the necessary staging of construction that included reduced roadway access for safety and detours. Also, the design included coordination to relocate telephone and electrical utilities and the design of a cradle to protect an existing sanitary sewer gravity main as the roadway was lowered along the sewer.

The project also included conducting public informational meetings to ensure that design addressed resident/citizen concerns.



### Salient Features

- Traffic Controls/Construction Staging
- Safety Improvements to the Existing Local Road
- Drainage Design
- Wetland / Drainage Permits
- Erosion/Sediment Control
- Coordination with Area Residents
- Public Hearing Presentation
- Utility Coordination