

Old Gate Lane Realignment and Capacity Improvements

Old Gate Lane is a two-lane bi-directional roadway which runs under a Metro-North Railroad bridge, which is being rehabilitated. The roadway will be expanded into a four-lane bi-directional roadway with a sidewalk. Garg is responsible for the *final design* of this roadway expansion. Included in this work is the adjustment of the horizontal and vertical alignment to obtain proper sight distances and vertical clearance from the railroad structure. In addition, a proper drainage system is required.



The major project tasks include:

- Horizontal and vertical alignment review
- Drainage design, including water quality and quantity control
- Traffic signal engineering
- DEP permitting: inland wetlands, flood plain management, tidal wetlands, coastal area management, ROW acquisition review
- Utility relocation
- Safety Assessment