



Project Name: Beacon Harbor
Project Type: Traffic Engineering
Location: Town of Bethlehem
Albany County, New York
Construction Cost: N/A
Completion Date: 2009

Project Highlights

- Analyzed traffic impacts at 15 study area intersections and multi-modal needs associated with the construction of a large mixed-use development.
- Recommended transportation improvements for four phases of development based on specific trip generation thresholds.
- A computer simulation model was developed to determine intersection control and capacity for the internal site road network.
- Conducted an air quality assessment and a noise impact evaluation for the proposed project.
- Agency Coordination.

Project Description:

The plan includes the construction of a 2.5 million square-foot mixed-use development consisting of uses such as general office space, residential condominiums, restaurants, hotels, warehousing space, and retail and entertainment development.

CME Role:

CME was retained to evaluate traffic impacts to 15 study area intersections associated this large mixed-use development. Detailed recommendations were provided at numerous intersections for a four phased threshold development plan. In addition to external impacts in the project area, a traffic simulation model was developed for internal site circulation for three separate access scenarios using the latest version of the Synchro software. The model was used to determine intersection control, roadway cross-sections, capacity constraints, and parking garage driveway locations for each access scenario. The study also included an air quality screening and noise impact analysis at each study area intersection based on procedures outlined in the NYSDOT *Environmental Procedures Manual*.

Client : OG Real Estate Developers, LLC
P.O. Box 495
East Schodack, New York 12063

Reference: Victor Gush
Contact Terry Field
Project Manager
Ph: (518) 452-2567