

NYCDOT ITS On-Call Hylan Boulevard Contra Flow Study



Client/Owner: New York City Dept. of Transportation

Project Location: Staten Island, NY

As part of our on-call services agreement with the NYCDOT, GPI is evaluating the possibility of introducing contra-flow lanes to facilitate traffic flow during weekday peak periods on Hylan Boulevard in Staten Island. Hylan Boulevard is a major thoroughfare along the eastern shore of Staten Island and is a principal commuter route, truck route and bus route to/from the Verrazano Narrows Bridge and other major transportation destinations. In the past, NYCDOT has made numerous traffic improvements; however, peak traffic hours are still operating under constrained traffic conditions. This project is anticipated to:

1. Improve the overall mobility of the corridor for the peak direction.
2. Utilize the available unused capacity of the non-peak direction without impacting the traffic flow.
3. Reduce peak direction delays at key intersections, specifically during weekday peak hours.

For this evaluation, traffic analyses will be conducted at 12 key intersections for the AM and the PM peak hours. These analyses will involve Existing, No-Build 2010 and Build 2010 scenarios. GPI will develop two contra-flow alternates and two non-contra-flow alternates at these locations for the Build condition scenarios.

Specific work tasks required for this project also include:

- Traffic count surveys and data reduction
- CADD work
- Inclusion of Bus Rapid Transit (BRT) operation under the no-build condition
- Screening of alternatives
- Capacity analysis utilizing SYNCHRO software
- Public presentations and community board meetings
- Preparation of a comprehensive report detailing the recommendations