Lane Control Signal Systems Design

Ongoing 2007

The Department has identified four arteries where we believe the installation of a lane control signal system would be beneficial to regulate lane usage by time of day (either by restricting the use of select lanes or reversing select lanes at specified hours). These arteries either have excess capacity during off-peak hours; resulting in violations of the posted speed limits or are candidates for peak hour reversals. The consultant chosen for this project is responsible for the preparation of design plans, specifications, estimates and construction contract documents to install the lane control signal systems on each of the four designated arteries (and up to two additional arteries if so designated).

The arteries being evaluated and designed for lane control signal systems are as follows:

Beginning in April 2006, a consultant was tasked with:

- Preparation of a scale engineering drawing with the design of the lane control signal system detailing the location of the signal support structures, signal heads, underground infrastructure, power supply locations, controller locations, etc. The design will include the type and location of all traffic signs and pavement markings required to operate the lane control signal systems and comply with MUTCD guidelines.

- Collection of all necessary information and data to prepare detailed specifications with a separate specification prepared for each of the four arteries identified.

- Collection of all necessary information and data required to prepare a bid schedule of contact items and an engineer's estimate. This will include a bid schedule with a description of contract items, estimated quantities, and estimated unit prices to furnish and install all labor and material necessary to construct and place into operation the lane control signal systems. A separate engineer's estimate and bid schedule will be prepared for each of the four arteries identified by the Department.

Locations and anticipated report completion dates

CORRIDOR	BOROUGH	REPORT DUE
Furman Street	Brooklyn	Nov 2007
Father Capodanno Boulevard	Staten Island	December 2007
Francis Lewis Boulevard (b/w the Long Island Expressway and the Grand Central Parkway)	Queens	December 2007
Baychester Avenue (b/w Boston Road and East 233rd Street)	Bronx	December 2007

- Preparation of contract documents that are in compliance with the Policy Procurement Board Rules of the City of New York, which will allow for an open competitive bid to furnish and install the labor and materials necessary to construct and place into operation the lane control signal systems.

- Production of a Draft Final Report and a Final Report.

The Consultant submitted the final draft designs for the Furman Street artery and the Department is presently reviewing them and will comment on the proposed designs by end of October. The final design Report for Furman Street will be submitted by November. The Consultant has also submitted the first draft Design reports for the remaining three arteries. NYCDOT will review and comment on these designs by end of October. All final Lane Control System Design reports and Contract documents will be submitted by December 2007.