

Long Island Railroad (LIRR) Third Track Expansion

Firm

Alta Vista Solutions

Location

Long Island, NY

Client

Metropolitan
Transportation
Authority – Long
Island Railroad

Project Duration

Ongoing

Project Type

Construction
inspection and
train operations
management

Role

Subconsultant

Project Cost

\$1.5 million

Project Description and Scope

The LIRR Third Track Expansion Project is a design-build megaproject that will place a third track within the existing LIRR right-of-way, on a 9.8-mile segment of the Main Line between Floral Park and Hicksville that serves more than 250 trains on a typical weekday, and is used by 40% of LIRR customers. With the addition of the third track, all-day, two-directional service on the Main Line will become a reality for the first time in modern LIRR history. Currently, during the morning and evening rush hours, only a limited number of trains are allowed to run in the opposite flow direction, making it difficult for those who live in New York City or western Nassau County to access jobs on Long Island.

The Metropolitan Transportation Authority's (MTA) board has approved a \$1.8 billion design-build contract for 3rd Track Constructors (3TC) to complete work on the LIRR expansion project. 3TC is a joint-venture that includes Dragados USA Inc., John P. Picone Inc., CCA Civil Inc., Halmar International LLC, Stantec and Cameron Engineering. The MTA board has approved a \$100 million oversight contract for the Arup-Jacobs Joint Venture, to whom Alta Vista is a subconsultant.

Alta Vista performs construction inspection and train operations management for this project. During construction, the Alta Vista team provides daily oversight of construction activities for the construction of the third track from Floral Park to Hicksville, Long Island. For the first few months of the project, the general contractor is clearing and grubbing along the railroad right-of-way, redirecting gas, water and sewer lines, and installing new conduit for future redirected fiberoptic lines.

Specific Services and Scope

- Design-build oversight
- Construction inspection
- Train operations management and scheduling

