

Jamaica Capacity Improvements – Phase II



Garg Consulting Services, Inc.

Jamaica Station serves as the hub of the LIRR, where train service from 10 Long Island customer branches pass through Jamaica and are routed on path to three main west terminals (Penn Station New York, Atlantic Terminal Brooklyn, and Hunterspoint Avenue) and a fourth planned terminal (Grand Central Terminal). The Jamaica Capacity



Improvements (JCI) Project, as a whole, represents LIRR’s Master Plan for the future of Railroad operations through Jamaica. JCI Phase II completes the Jamaica reconfiguration increasing overall capacity, reducing travel time, and improving system reliability by upgrading key elements of the infrastructure.

Garg’s responsibilities on this project include engineering support for various disciplines including railroad systems (signal, communications, and electric traction), civil, MEP, and structural.

In order to generate load flow models, Garg is currently administering a metering program to ascertain signal power and traction power requirements. Specific duties include:

- Metering at 18 traction power substations (TPSS) and one breaker house.
- Signal power metering at 4 original locations (Winfield, Hall, Floral Park, and Valley Stream) and 3 additional sites (Flatbush, Hempsted, and Island Park).
- Development of Site Specific Work Plans outlining work to be done, equipment installation procedures and activities, monitoring activities, equipment removal, data analysis, schedule, and comprehensive safety procedures.

Organization Name	Location	Project Duration			Dollar Amount	Prime/Sub-Consultant
		Contract Date	Start Date	Completion Date		
LIRR	Jamaica, Queens, NY	01/25/2018	2018	2020	\$442 Million	Sub-Consultant