



MTA NYCT Enhanced Station Initiative Program Facilitator Project

NYCT is seeking to change public perception of stations to be positive. The goals of the Enhanced Station Initiative Program are to focus on improving the passenger's experience and continue responsibility of providing station state of good repair. The stations will be re-designed to meet the ever increasing demand placed upon NYCT Stations, this includes the development of underlying station aesthetics through design innovation and design excellence. The focus of the project will be on short term closures of stations for expedited project delivery. The main scope of work is development of Pilot Concepts for Enhanced Station Initiative Program, Preparation of Reference Design Documents (plans and specifications) and Identification of additional Enhanced Station Initiative Opportunities.

A.G. Consulting Engineering, as a subconsultant to ARUP, provided various services on this project. These included Electrical, Mechanical and Plumbing Engineering Design Services as well as Structural/Mechanical/Electrical/Communications Drafting Services.

AG provided reference design/design build procurement packages for 31 stations which incorporated the specific goals of the enhanced station renewal program. Stations are located in the Bronx, Brooklyn, Manhattan, Queens and Staten Island and consist of subway, open cut, and elevated stations. The scope required at each station varied based on station track and platform layouts conducive to fast-tracked execution of work and 24/7 service shutdowns. The scope of work for this project included review of the 31 stations to identify opportunities for design concept development which demonstrated the enhanced station initiative philosophy and program goals. Development of Reference Design Procurement Packages to support innovation project delivery, such as a design/build procurement at 31 stations. Provision of Preconstruction Phase Construction Management Services. Provided review of conceptual and reference documents including review of selection of materials, constructability, installation and construction methods, procurement methods and review of time requirements for the procurement. Provided cost estimate for construction for each procurement package. Identified items that could adversely affect the timely completion of the work. Provided value engineering review outlining possible cost reductions and cost evaluations of alternate materials and systems including life cycle data. Provided project schedule identifying components of work, commencement and completion of subcontractor elements, delivery of products including advanced order requirements.

Drafting of MTA stations for NYCT Enhanced Stations Initiative Program Facilitator Project in various boroughs of the City of New York required strict attention to detail utilizing MicroStation V8i, ProjectWise and Microsoft Office.



A.G. CONSULTING ENGINEERING, PC

Location:

New York, NY

Owner:

NYCT

Services Provided:

Electrical

Plumbing

Fire Protection

CAD Services

A.G. Consulting Engineering, PC

131W 33rd Street, 12B

New York, NY 10001

Phone: 212-268-0950

agceng@agceng.com