



# MTA Enhanced Station Initiative (ESI)

Multi-disciplinary design work covering 31 subway stations

The ESI Program is intended to improve the user experience by restoring stations to a state of good repair. AG, working with prime consultant, is providing electrical, mechanical and plumbing engineering design services, as well as production for structural, MEP, and communications engineering.

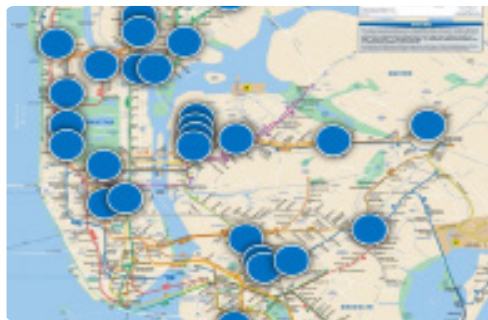
As owners representatives with the prime consultant, AG provides reference design, and design-build procurement packages for 31 stations which embody ESI program objectives. Stations are located in all five boroughs, and consist of subway, open cut, and elevated stations.

Naturally, the scope at each station varied based on station track and platform layouts, and their compatibility with the project's fast-track construction methodology. In all, AG reviewed 31 stations to identify opportunities for design concept development.

For this design-build effort, AG developed bridging documents which include 30% drawings, 30% specifications, and performance design criteria that the design build teams used as basis to submit their proposals and bids.

Providing review of conceptual and reference documents including review of selection of materials, constructibility reviews, installation and construction methods, procurement methods, and review of procurement time requirements. In addition, AG provided cost estimates for construction for each procurement package and identified which may adversely affect the construction schedule.

Finally, AG provided value engineering review, outlining possible cost reductions, and evaluations of alternate materials and systems, including life cycle data.



**Location:**  
Various locations  
New York, NY

**Owner:**  
MTA

**Client:**  
ARUP

**Construction Cost:**  
ongoing

**Completion Date:**  
ongoing

**Services Provided:**  
Electrical  
Plumbing  
Fire Protection  
CAD Services

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