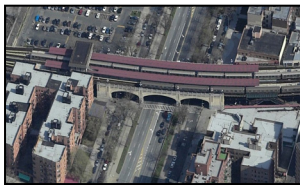




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## **System-Wide Rail Station Condition Survey**

**New York City, NY**

### **PROJECT NAME**

System-wide Condition Inspection of Rail Station to Assess Existing Conditions at individual stations, New York City Transit, New York City

### **PROJECT OWNER**

MTA – New York City Transit

### **PROJECT DESCRIPTION**

KS Engineers, P.C. (**KSE**) was retained to provide condition inspection of NYC Transit subway stations system-wide.

The NYC Transit (NYCT) system has a total of 468 passenger stations (including complexes) that were in varying degrees of deterioration. These included subway, elevated, open cut, embankment and viaduct construction. In order to plan, prioritize and effectively budget investment in the stations program, the NYCT conducted a system-wide condition inspection survey to assess existing conditions at individual stations.

Under this contract a total of 125 stations were inspected, located in the Borough of Brooklyn. Inspections were done at stations considered new, reconstructed, rehabilitated, modernized, upgraded, restored and stations where no previous work was done.

The scope of work included a comprehensive visual inspection to include all station elements. Spaces to be included in the inspection were all the public areas (stairs, mezzanines and platforms) and restricted areas (rooms, employee facilities, storage, and equipment areas). The inspection teams applied the methodology of the NYCT Station Inspection Manual to survey and rate the station and the various components and subcomponents within each station. The scope of work included preparation of reports to document complete condition information for the stations. This required each station component to be fully defined in order to provide a basis to measure the range of defects within that component. The results of this survey were intended to be viewed as advisory and developed in concert with NYCT guidance.

The rating system manual required adding or subtracting components/subcomponents applicable to any station to be surveyed and rated. The rating system manual is applicable to elevated, subway, open cut, embankment and viaduct station components, including such as retaining walls, concrete canopies, parapet walls, street level head houses, track overpass, track tunnel, etc. Prior to the start of the survey, the consulting team met with NYCT's Station Condition Survey task force to develop the survey plan and schedule, which was submitted and approved prior to proceeding with the actual station inspections. After the actual inspections, the consultant submitted inspection findings and met with NYCT to confirm or revise the ratings.

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**KS Engineers, P.C.**