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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**) has been retained as a subconltant to PB Americas 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 are in varying degrees of deterioration. These include subway, elevated, open cut, embankment and viaduct construction. In order to plan, prioritize and effectively budget investment in the stations program, the NYCT will conduct a system-wide condition inspection survey to assess existing conditions at individual stations.

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

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

The rating system manual requires 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 will meet with NYCT's Station Condition Survey task force to develop survey plan and schedule, which is to be submitted and approved prior to proceeding with the actual station inspections. After the actual inspections, the consultant will submit inspection findings and meet with NYCT to confirm or revise the ratings.

