

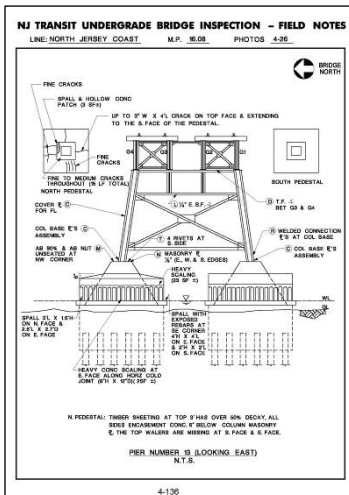


KS Engineers, P.C.

Engineers . Surveyors
Construction Managers

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Undergrade RR Bridge Inspection

New Jersey

PROJECT NAME

NJ Transit Undergrade Bridge and Diving Inspection – Group A – SBE Set-Aside (Contract 09-108A)

PROJECT OWNER/CLIENT

NJ Transit

START/END DATES

11/2009 – 5/2011



PROJECT DESCRIPTION

KS Engineers, P.C. (KSE) was responsible for providing in-depth inspection and structural load ratings for 52 NJ Transit Undergrade Bridges located on the North Jersey Coast Line, Atlantic City Line, and Princeton Branch. KSE's tasks also included the underwater inspections for five bridges.

KSE was responsible for the following:

- In-depth structural inspection, including hands-on inspection of all fracture-critical members
- Inspection of ties, rails, and approach embankments
- Update of BIS (Bridge Information System) input forms and BRMS (Bridge Report Management System) files and photos
- Cooper E load-rating, using maximum and normal ratings
- Preparation of detailed reports using the NJ Transit "Inspection Report Format" and criteria
- Repair recommendations and cost estimates for major repair and maintenance items

The Lead Team Leader performed intense QA/QC during the field work to coordinate the data collection among the teams. This proved to be invaluable during the report-writing phase.

Pictures and sketches were used in the field notes to illustrate conditions found. "A picture is worth a thousand words."