
Church and Caton Avenue Bridges - Reconstruction over NYC Transit

GPI

Bridge Design



Client/Owner: New York City Dept. of Transportation

Project Location: Brooklyn, NY

Engineering services on this \$11-million project involves the final design for the rehabilitation/replacement of the Caton Avenue and Church Avenue bridges for NYCDOT. The final design work includes:

- Project coordination with NYCDOT, NYCT, OCMC, NYCDEP and all private utility companies and community boards.
- In-depth structural inspection to determine the existing condition of these concrete rigid frame and concrete encased steel stringer structures.
- Development and administration of concrete coring and soil boring programs.
- Vertical and horizontal survey at both the roadway and track levels.
- As constructed and as inspected load rating analysis for all structures.
- Development of a design report which will include all the inspection findings as well as rehabilitation/replacement alternatives and recommendations for these structures.
- Final design and preparation of contract drawings, specifications and construction cost estimates for all structural, highway, traffic and utility portions of this project.