



NJT Hilton Garage General Office Building Parking Deck Reconstruction

The main parking deck and parking expansion area over Hilton Garage was built in 1987. Over the past 26 years the expansion area has deteriorated to the point it is considered unsafe for use, and has been out-of-service since 2010. A project was recently completed wherein the bearing shelf and selected joists spanning the roof parking area between garage columns D thru H were refurbished/reinforced as necessary, and this assignment is to include in the design work refurbishment/reinforcement of the bearing shelf and selected roof joists in the remaining roof parking area between garage columns B thru D. The major focus of this assignment, however, consists of designing the phased demolition of the existing garage roof parking area down to the existing metal joists (if required), replacing the existing decking as needed with 2", inverted, B-Lok decking, and pouring a new 6", reinforced concrete surface/wearing course with integral sidewalks. The new roof parking area shall meet a uniform live load requirement of 400 PSF. The replacement roof parking area shall incorporate new roof scuppers, complete with sediment traps/buckets and plug joint type expansion joints.

AG's scope of work shall include sprinkler piping replacements in all corroded areas throughout the entire parking deck as well as the following detailed scope of services by task:

Task 1- Site Evaluation and Testing: AG engineers will visit the site and inspect all sprinkler piping main headers, branch piping and sprinkler heads for its conditions in all parking deck areas. Any witness of testing by Licensed Fire Protection Contractor (to be hired by Prime), if required, to determine the condition, will also be provided. A report will be generated with all findings and recommendations for NJT review, comments and approval.

Task 2 - Generate Project Documents: After approval of Task 1, all design documents will be prepared including demolition plans, new work plans, sections, details and technical specifications. All documents will be provided to NJT for their review, comments and approval.

Task 3 - Sign and Seal Project Documents: After approval of Task 2, three (3) sets of signed and sealed drawings and specifications will be provided.

Task 4- Inter-Agency Coordination/Secure Code Reviews: Will assist SYSTRA on AGCE'S scope.

Task 5- As Directed by NJT/SYSTRA: Answer questions from bidders, review contractor's bid documents, prepare Addenda if required.

Task 6- Construction Assistance: Response to RFIs, Change Order preparation, Submittals/Shop Drawings Review, Punch List, Final Inspection & Project Acceptance, As-Built Drawings, Warranty/Manual Completion.



A.G. CONSULTING ENGINEERING, PC

Location:

Irvington, NJ

Owner:

New Jersey Transit

Services Provided:

Plumbing

HVAC

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