

# Engineering Services for PATCO Lindenwold Yard and Viaduct Rehabilitation



Garg Consulting  
Services, Inc.

Delaware River Port Authority (DRPA) awarded contract 14-N to perform construction engineering services for the rehabilitation of track in PATCO's storage yard in Lindenwold, NJ. The construction project estimate is approximately \$39 Million and includes: the replacement / rehabilitation of approximately 25,000 LF of track; the replacement of fasteners and the direct fixation system on the Lindenwold Viaduct over New Jersey Transit; the replacement / rehabilitation of 49 turnouts and support components including crosstie replacements in the yard tracks and timber replacements in the turnouts; replacing all the 3rd rail contact rail timbers and cover boards; electrical duct bank; improvements to power feeders, traction power, communications, and lighting system in yard and infrastructure; and the removal of legacy way and power work equipment. The project is to be completed in 39 months and includes the replacement of 26.4 KV & 2.4 KV aerial cables and the installation of new pole line.



Garg Consulting Services, Inc. is providing Construction Engineering and Inspection Services for daily inspection and accounting of contractor activities; documentation of all work progress to ensure conformance to plans and specifications; assistance in solving construction issues; work methodology reviews; measure work completed; and assisting in providing input for payment requisitions, document control, and project safety. The major construction activities of work include Civil improvements to grade crossings, drainage and pedestrian walkways, electrical requirements for power, contact rail system- new brackets and cover boards, positive & negative DC power feeders for 3<sup>rd</sup> rail, switch heater control system, manual push button control system for train movements, raceways and duct bank system for electrical, signal and communications, electrical panel boards, grounding and bonding, and yard lighting.

Organization Name	Location	Project Duration			Dollar Amount	Prime/Sub-Consultant
		Contract Date	Start Year	Completion Year		
DRPA / PATCO	PA	12/22/16	2017	2020	Project Cost	Sub-Consultant
					\$39 Million	