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Design of Three Intersections – Union County City of Elizabeth, NJ

Elizabeth, NJ

PROJECT NAME

Professional Engineering Design Services for Three Intersections in City of Elizabeth, Union County, NJ

PROJECT OWNER

County of Union, NJ, Department of Engineering and Public Works

PROJECT DESCRIPTION

KSE has been retained by the County of Union, Division of Engineering for design of three intersections in City of Elizabeth, NJ. The scope of work for this project includes:

- Complete upgrade of traffic signal equipment at intersections of:
 - South Broad Street (CR 623) & Summer Street;
 - South Broad Street (CR 623) & South Street; and
 - Pearl Street (CR 614) & Washington Avenue.
- Image detection and battery backup systems shall be installed at all intersections.
- Development of coordinated signal timing plans to move vehicles and pedestrians through the area in a safe and efficient manner. Timing coordination shall be evaluated at each traffic signal (within the project limits) where other signals (outside the project limits) are located within 1000 feet of the project limits.
- Stormwater Management upgrades in compliance with NJDEP regulations regarding inlet curb pieces (within the project limits).
- Installation of Detectable Warning Devices in compliance with ADAAG regulations. This may also include the construction or reconstruction of new handicap ramps at all intersections both signalized and unsignalized within the project limits.
- Intersection resurfacing may be required as a result of geometric, striping and/or other modifications, and shall be evaluated at each intersection.

All work associated with this project shall include all surveying and related fieldwork, as well as, the design and preparation of all necessary plans, reports, specifications, and final as-built construction documents required to obtain NJDOT approval.

