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NJDOT Route 29 Design/Build Project

Mercer County, New Jersey

PROJECT NAME

Traffic Engineering and Lighting Design for the NJDOT Route 29 Design/Build Project

PROJECT OWNER

New Jersey Department of Transportation

SERVICES PROVIDED

- Roadway & Highway Design
- Roadway and Tunnel Lighting Design
- Traffic Engineering
- Traffic Signals Design
- Site Civil Engineering

DATE OF SERVICE

1997 - 1999

PROJECT DESCRIPTION

This project entailed the widening of Sections 10b and 11c of Route 29 including the construction of a 700m, 4-lane tunnel as well as realignment and widening of a portion of Route 29. This project had a design/build approach which required the advancement of the plans from 30% completion to contract drawings.

KS Engineers, P.C. (**KSE**) provided complete traffic signalization and roadway and tunnel lighting systems design services as part of the final design/build project for this section of Route 29. **KSE's** scope of work included a traffic study, warrant analysis, level of service, and complete design of permanent and temporary signalized intersections. Lighting design included preparation of contract documents for a new tunnel lighting system (the first in New Jersey) and roadway lighting systems in accordance with current standards. Roadway lighting analysis was performed utilizing CalaPro software. Tunnel lighting analysis was prepared utilizing NJDOT specified "Tunnel-Lite" software. All electrical plans were prepared in accordance with NJDOT CADD standards in Microstation Version J.

