



Project Name: PennDOT D6 E03469 – I-95 Central and South Philadelphia Project
Owner/Client: PennDOT District 6
Type of Project: Traffic Engineering and Analysis
Location: Philadelphia, PA
Completion Date: 2018
Contract Value: \$321,900

Project Description

PennDOT has been working to reconstruct I-95 in Bucks, Philadelphia, and Delaware counties. The section of I-95 in Philadelphia County between I-676 and Broad Street has many unique challenges in the design phase, including the proximity of Columbus Boulevard and the proposed I-95 Cap Project (construction of a waterfront park capping I-95). The project aims to provide PennDOT with a design that will maintain access for all interstate and local road users, create a roadway network that will accommodate future growth and allow for the inclusion of the I-95 Cap Project.

KMJ's Approach

KMJ is responsible for conducting I-95 and I-76 freeway, ramp and weaving segment analysis for existing conditions, three no build conditions, and three build alternatives for the weekday morning and afternoon peak hours. KMJ is conducting Synchro analysis of 53 intersections in the vicinity of I-95 between I-676 and Broad Street for existing, no build and build conditions. KMJ is developing a Synchro model for an event evacuation (discharge model), which will be utilized by AECOM in the development of a VISSIM model. KMJ is conducting freeway, ramp and weaving segment analysis for an event scenario in the existing, no build, and build conditions. In addition, KMJ is conducting travel time runs on Broad Street and Columbus Boulevard, and an origin-destination study in the area of Columbus Boulevard.



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