

Cumberland Mall Roadway Improvements

Cities of Vineland and Millville, NJ



Mario Fiorillo worked as a Traffic Engineer and prepared a traffic impact study and signal design services for the expansion of the existing Cumberland Mall, in the Cities of Vineland and Millville, NJ.

This project consisted of the design, preparation and implementation of multiple traffic signal timing plans, including re-timing and modification of cycle, offset and splits.

The goal of this project was to create optimum flow patterns based on proposed volumes generated by the proposed expansion of the existing Cumberland Mall. The total of seven intersections were part of this project, five existing and two new signals.

Performed Signalized Capacity Analysis during the AM and PM Peak Hours at all seven major intersections along this corridor, and prepared recommendations for the overall Project.

Used Zynchro/Sim Traffic animation software to perform Capacity Analysis at all of the intersection and optimized the progression along Route 47.

Developed Traffic simulation for the AM and PM

peak hours for this corridor.

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