
RK Centers Shopping Plaza Traffic Signal Design Weymouth, MA

**Duration: 2012-2013
Project Fee: \$47,000
Firm Fee: \$22,000
Role: Sub-consultant**



TrafInfo Communications, Inc. (TrafInfo) is responsible for the preparation of the Functional Design Report (FDR), 25% preliminary design plans, the final construction contract documents (plans, specifications and estimate), as well as the permit application for the installation of a new traffic signal at the driveway to RK Centers Shopping Plaza in Weymouth, MA.

TrafInfo was responsible for all data collection, traffic and safety analysis, as well as signal warrant analysis. TrafInfo staff worked closely with the Prime Consultant and all stakeholders including MassDOT, the Town of Weymouth, as well as the abutting businesses to develop a solution that would be acceptable to all parties

Challenges in the project included provision of safety access/egress to an adjacent business, accommodations for pedestrian crossings, as well as sufficient capacity to provide acceptable level of service even after the shopping plaza has been expanded.

A complex traffic signal system was designed with fully-actuated traffic signal system supported by video detection systems, and concurrent pedestrian phasing with non-conflicting vehicular phases to provide protected pedestrian crossings.