



Traffic Signal Design Manual

ORIGINATOR Director, Bureau of Highway Operations		3-3-10
CHAPTER 3	Project Scoping Process & Geometric Design Considerations	
SECTION 3	Intersection Geometrics	
SUBJECT 10	Future Traffic Signals	

THIS SECTION OFFERS INTERIM GUIDANCE ONLY

The Regional Traffic Unit needs to be involved during the scoping of a project. The installation of traffic signals as part of an improvement project can have an impact on the amount of right-of-way needed to accommodate signal equipment. Geometric configurations *may* be driven by the need for lane requirements, medians, islands, etc.

All intersections within project limits **shall** be evaluated to determine if traffic signals are warranted and *should* be included with the project.

If traffic signals are not currently warranted, it may be feasible to install conduit and pull boxes for future use. Factors that *may* or *may not* support installation of underground features are the timeline for future geometric changes, how close the intersection is to meeting warrants, and known future developments.

The installation of underground conduit systems should be considered when:

- It is apparent that signals will someday be located prior to the next project on a particular roadway.
- Project timing and location is appropriate.
- Post improvement project installation will not readily accommodate future installation (i.e., breaker run roadway base, conduit crossing structures, etc.).
- Impacts to adjacent land use and/or underground utilities necessitate the early placement of an underground system.