



State of Wisconsin
Department of Transportation

Traffic Signal Design Manual

ORIGINATOR Director, Bureau of Highway Operations		4-2-2
CHAPTER 4	Field Investigation Guidelines	
SECTION 2	Intersection Inventory	
SUBJECT 2	Utility Conflicts	

Diggers Hotline (1-800-242-8511) *should* be contacted during the design stage to determine the location of existing utilities. Marked locations for state-owned electrical facilities will need to be arranged through the Diggers Hotline. Contact Regional electrical units to locate detection loops in the roadway.

Information regarding existing utilities from locates **shall** be incorporated into the preliminary signal plan. The utility information **shall** be verified during the field investigation and potential conflicts noted. Utility conflicts *may* consist of both underground and aboveground conflicts. Particular attention **shall** be given to underground utilities that could conflict with foundations for mast arm poles. At grade and aboveground utilities such as manholes and overhead lines **shall** be checked to avoid conflicts with proposed mast arms, pull boxes, concrete bases, and detection.

Signal poles and mast arms **shall** be a minimum of 10 feet from all overhead utilities. Contact the local utility companies for specific guidelines.