

2. Completed work is stored on the Falcon Document Management system.

#### *Preliminary Road Plan Development*

1. Upon receipt of the underground utility designation (horizontal) data, preliminary road plans, including hydraulic design, will be developed. The Project Manager will request that the Structure and Bridge and Central Office Location and Design Traffic Engineering Design Program Area submit preliminary bridge, sign, signal and lighting plans, including estimates, for detailed plan development prior to the public hearing.
2. A review is to be made with these divisions by the Project Manager to determine if there are utility conflicts with bridges, signs, signals, etc. based on the horizontal location of the utilities.
3. The design of the project drainage facilities, walls and other features are to avoid horizontal utility conflicts where feasible.
4. An email outlining any changes made is to be resubmitted to Structure and Bridge and/or Central Office Location and Design Traffic Engineering Program Area and any other preliminary engineering sections, including the Regional Utility Coordinator if the design is altered during plan development affecting their preliminary plans.

#### **Utility Location (Test-holes)**

##### *Scheduling*

1. The Project Manager should request the Underground Utility Location (Test-holes) approximately 6 months prior to the scheduled Field Inspection in order for the evaluation of test-hole data and necessary plan changes to be made before Field Inspection.
2. The Project Manager should minimize the request for test-holes to one order, or one mobilization by the SUE consultant.

##### *Determination*

1. It is expected that the request for test-holes will be based upon several factors one of which is hydraulic design. Additional test-holes may be required when the hydraulic design is finalized.
2. Potential vertical utility conflicts shall be determined after all feasible horizontal design adjustments have been incorporated into the design.
3. When other Divisions need test-holes, they are to submit their requests directly to the Project Manager for inclusion in his submission. Test-hole locations should be based on station and offset to the proposed construction centerline or by project coordinates.
4. The Project Designer with input from the project team shall clearly identify the location of test-holes to be secured on the plan sheets. Test-hole locations should be based on station and offset to the proposed construction centerline or by project coordinates.