

SECTION 33 05 25

SUPPORT AND PROTECTION OF UTILITIES

PART 1 – GENERAL

1.01 SECTION INCLUDES

- A. This Section includes specifications for maintenance, support, and protection of existing underground utilities as indicated.

1.02 MEASUREMENT AND PAYMENT

- A. Measurement: Maintenance, support, and protection of existing utilities will be measured for payment by the lump-sum method, acceptably performed and completed.
- B. Payment: Maintenance, support, and protection of existing utilities will be paid for at the Contract lump-sum price, as indicated in the Bid Schedule of the Bid Form.

1.03 REQUIREMENTS

- A. Locate existing utilities from official county and municipal maps and records. Maintain existing utilities and protect from damage as necessary to satisfy the requirements of jurisdictional utility companies and related codes and regulations.
- B. Do not disconnect or shut down any part of the existing utilities and services, except by permission of authorities having jurisdiction. Submit schedule of estimated shut-down time in order to obtain such permission, and notify all interested parties, neighbors, utilities, and municipal and county authorities, as required.
- C. Utilities to be removed shall not be removed until shut-down time can be kept to a minimum. Do not remove an existing utility line or service until the replacement line, crossover, or capping is ready to be performed.
- D. Provide shoring, underpinning, and structural support for existing utility lines and structures that become suspended or otherwise unsupported because of adjacent excavation operations. Submit plans showing all protections in place and temporary supports of utilities adequate to maintain safety, integrity and function for Engineer's review and approval.

1.04 REQUIRED NOTIFICATIONS

- A. Underground utilities shall be marked for identification by the affected utility companies 72 hours prior to performing any excavation or other work close to any underground pipeline, conduit, duct, wire, or other structure. The Contractor shall notify the Engineer and utility owners before performing any such excavation work. Notify most affected utilities by calling Underground Service Alert (USA) at 1-800-642-2444. Contact utility owners not covered by USA, such as owners of non-pressurized sewer lines and Caltrans, by calling the affected utility owners directly.

SUBSURFACE INVESTIGATIONS

- B. Protect active underground utilities from damage. If underground utilities are damaged in any way, notify the Engineer and affected utilities immediately for corrective action. The names of the utility companies in the area and their respective addresses and telephone numbers are specified in the Contract Specifications, Section 33 05 25, Support and Protection of Utilities.

1.05 RELOCATION OF EXISTING UTILITIES

- A. It is anticipated that certain utilities will be relocated by the affected utility companies prior to start of construction. The names and addresses of such utility companies, including a list of facilities to be relocated with description and location, are specified in the Contract Specifications, Section 33 05 25, Support and Protection of Utilities.

PART 2 – PRODUCTS

Not Used

PART 3 – EXECUTION

Not Used

END OF SECTION 33 05 25