

**ITEM 0180601**

**PROTECTION AND SUPPORT FOR EXISTING UTILITIES**

**DESCRIPTION**

This item shall consist of designing, furnishing, installing, operating, maintaining and protecting all existing utility structures or special facilities including temporary support structures and/or overhead protection as indicated on the plans and in accordance with these specifications or as directed by the Engineer in conjunction with the requirements of the controlling utility company. The work to be completed under this item shall not include the normal utility protection requirements as set forth in the general requirements of the contract or as required by statutory law.

The Contractor is advised that no service interruption resulting from his operations will be allowed, except as otherwise noted on the plans. The Contractor shall exercise extreme caution when installing the temporary supports and during construction. When installing the temporary supports, the respective utility company representative shall be given notification and opportunity to be present. Also, refer to "Section 1.07- Legal Relations and Responsibility to the Public" and "Protection of Existing Utilities." State of Connecticut, Department of Transportation, Standard Specification for Roads, Bridges and Incidental Construction, Form 816, 2004.

The Contractor shall make all necessary arrangements with the respective utility company for his installation of temporary supports. The Contractor shall comply with all existing written Utility regulations, or verbal instructions received from authorized utility company representatives.

It shall be the responsibility of the Contractor to coordinate this work with each utility company. Any damage to a utility company's facilities caused by the Contractor's operations, which affects the operation of the utility service shall be repaired immediately by the utility company at the Contractor's sole expense.

Prior to construction, the Contractor shall arrange and meet with each utility company for scheduling and coordination regarding this work. The Contractor shall then, within five days, file documentation of that meeting and the resulting agreements in a project memorandum to the Engineer. The Engineer shall be informed by the Contractor of and prior to this meeting and may attend at his discretion.

**REFERENCED ITEMS**

None

**REQUIRED SUBMITTALS**

Submittals for this work shall be as required by the engineer, depending on the type and requirements of the work to be completed.

**MATERIALS**

The materials required for this work need not be new, but they must be of sound and durable quality to operate safely and efficiently. The Contractor may utilize portions of the existing structure into the temporary support system with the Engineer's permission. During any time components of the existing structure are used to support the existing utilities, these components shall be considered the responsibility and property of the Contractor.

Prior to installation, the Contractor shall submit a list to the Engineer of materials he intends to use. The Engineer shall subsequently inspect the materials and may offer written comments and directives at this discretion.

**CONSTRUCTION METHODS**

The Contractor shall install the temporary utility supports as shown on the plans and in such a manner as to maintain the minimum vertical clearance from top of support to underside of the existing utility.

The installation and location of the temporary utility supports shall consider the sequence of removing the existing structure and transfer of the load to the temporary support structure.

If so requested by the Engineer, the Contractor shall prepare design drawings showing his proposed method of support for the utility to be supported. The supports shall safely carry all utility dead loads as well as any imposed loadings under all possible construction conditions. The design calculations and drawings shall be stamped by an Engineer registered in the State of Connecticut.

The Contractor shall be responsible for satisfying the requirements stated in OSHA Section 1518.651 and the standard safety and operational requirements of the controlling utility company.

The Contractor shall use every effort to protect the existing utilities from damage of any nature that might result from carelessness or negligence in any of his

operations. He shall be held solely and strictly responsible for any damage resulting from such carelessness and negligence.

The Contractor shall maintain the temporary support system and its operation at all times for the duration of the project and shall perform periodic inspections of the temporary utility supports on a weekly basis or as directed by the Engineer.

The temporary utility supports shall be removed from the site by the Contractor at the completion of construction as approved by the Engineer.

**METHODS OF MEASUREMENT**

The work, materials, tools, equipment and labor incidental to the temporary support of utilities will not be measured for payment.

**BASIS OF PAYMENT**

Payment of this work will be at the contract lump sum for "PROTECTION AND SUPPORT FOR EXISTING UTILITIES" complete, which price shall include the design and plan preparation, all materials, except any portions of the existing bridge utilized, fittings, adjustments, tools, equipment and labor necessary to the installation, operation, maintenance, final removal of the temporary support system and utility company coordination.

<b><u>PAY ITEM</u></b>	<b><u>DESCRIPTION</u></b>	<b><u>PAY UNIT</u></b>
0180601	Protection and Support for Existing Utilities	LS