

streets, roads, drives, fences, lawns, shrubbery, watermains, pipes, pipelines and contents, underground power and telephone facilities, buried sewerage and drainage facilities, and any other property damaged by the trenching, except as specifically provided for in other units. This unit does not include underground cable facilities installed in the trench or cable bedding assembly units, when required.

UR-3 Cable Bedding Assembly Unit—Consists of one (1) lineal foot of a 2-inch bed of clean sand or soil placed in the trench under the cable and a 4-inch layer of clean sand or soil backfill over the cable to the width of the trench.

Note: The exact location and number of units shall be determined by the Owner after the trenches are open in those areas where rock or other conditions make special bedding necessary.

UR-4a Pavement Assembly Unit, Asphalt—Consists of the labor and material necessary to remove and restore one (1) lineal foot of asphalt pavement, measured along the route of the cable. All work shall be performed in accordance with the requirements of state or local authorities. Any trenching which may be necessary is included in this unit.

UR-4c Pavement Assembly Unit, Concrete—Consists of the labor and material necessary to remove and restore one (1) lineal foot of concrete pavement, measured along the route of the cable. All work shall be performed in accordance with the requirements of state or local authorities. Any trenching which may be necessary is included in this unit.

UR-5() Underground Pipe Crossing Assembly Unit—Consists of one (1) lineal foot of steel pipe, of the inside diameter, in

inches, specified in the last digit of the assembly unit designation, installed in place. This unit includes the pushing of pipe and any excavation, backfilling and tamping necessary for the installation of the pipe. The pipe will be installed at the depth specified by the Owner. Underground cable installed in the pipe is not included in this unit.

UR-6 Underground Nonpipe Crossing Assembly Unit—Consists of the labor in providing a hole in soil one (1) foot in length of a diameter sufficient to accommodate the cable to be installed therein. The depth of the hole below the surface of the ground shall be specified by the Owner. This unit includes any excavation, backfilling and tamping necessary for the installation. This unit may be used where the permanent installation of a steel pipe under the UR-5 unit is not required. Underground cable installed in the hole is not included in this unit.

Unit No.	No. of units	Unit price			Extended price— labor & materials
		Labor	Materials	Labor & materials	
UR					

Total, Section UR—

Distribution Construction Units—Line Changes

The general heading of Line Changes applies to the changing of existing lines or portion thereof from their existing phasing, wire size, and type to new phasing, wire size, and type and the removal of existing lines or portion thereof and replacing with new lines in close proximity thereto. In general line changes involve three types of assembly units as follows:

Section H—Conversion assembly units;
Section I—Removal assembly units;
Section N—New construction assembly units on existing lines or in replacing lines.

The assembly units that are included in Section H, I, and N are defined by symbols and descriptions which follow together with the applicable descriptions included under New construction. Where the descriptions are not correct or sufficiently explicit, or when special units are not covered by Construction Drawings, descriptions have been provided by the Engineer in the respective sections.

Work included in these sections shall be performed under the schedule as set forth below:

SCHEDULE OF DEENERGIZATION OF EXISTING DISTRIBUTION LINES UNDER WHICH WORK UNDER SECTIONS H, I, AND N SHALL BE PERFORMED

Line section (To be designated by point to point description on detail map)	Hours and days of week when lines will be deenergized to permit line changes

The Bidder will so plan and perform its work on the above lines that it will be possible for the Owner to safely reenergize all lines involved at the expiration of the time limits set up in the above schedule to resume service to all consumers being served prior to deenergization. Prior to commencement of work each day on lines to be deenergized, the Bidder will notify the Owner in writing thereof, designating the lines to be deenergized and upon receipt of such notice, the Owner will deenergize such lines. Upon completion of work each day on such deenergized lines, the Bidder will notify the Owner thereof in writing or in such other manner as the circumstances permit designating the lines to be reenergized and stating that such lines may be safely reenergized and upon receipt of such notice, the Owner will reenergize such lines.

Section H—Conversion Assembly Units

Conversion assembly units are pole-top assemblies and cover the furnishing of all labor and additional materials for changing an existing assembly unit to a new assembly unit, utilizing certain items of materials of the existing assembly unit on poles to be left in place. The unit prices for materials should include only additional material that is required to complete the new unit, less suitable allowance for material removed. Any materials removed from the existing assembly units which are not required in the construction of the conversion assembly unit become the property of the Bidder and may, with the permission of the Engineer, be reused by the Bidder in the construction of other assembly units called for in the Construction Contract. Conversion assembly units are specified by the prefix H with the new construction assembly unit designation shown first and the existing assembly unit designation shown last. For example, a H B1-A1 signifies the conversion of an existing A1 assembly unit to a B1 assembly unit (as was

defined in the description of construction assembly units). In this instance the Bidder utilizes the existing pin-type insulator, single upset bolt and neutral spool in the construction of the new assembly unit. The Bidder furnishes the additional crossarm, crossarm pins, braces, machine bolt, carriage bolts, lag screw, and insulator required for the new unit. The Bidder takes possession of the pole-top pin and two machine bolts and with the permission of the Engineer may reuse these elsewhere in the construction of the Project. The Bidder will not be held accountable to the Owner for the materials he so acquires.

The Conversion assembly units also include the furnishing of all labor and materials in the transferring, resagging and retying of conductors from one position on the pole to a different position on the pole where such transfers are required. Where replacement of conductor is required, the existing conductor will be removed under Section I and the new conductor installed under Section N.

Where replacement of a pole is required, the existing pole and pole-top assembly will be removed under Section I and the new pole and pole-top assembly will be installed according to Section N and no H units will be involved.

Conversion assemblies are listed in three subsections for converting pole-top assemblies from single to V phase, single to three phase, and V to three phase. The following descriptions apply to only those units not sufficiently explicit.

Unit	Description
H	

Section H—Conversion Assembly Units
Subsection H (B-A) 1 Phase to V Phase