

Chapter 27

Utility Work by Highway Contractor Agreement Plans

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27.1 General

Most utility adjustment work is performed by the utility owners or their contractor. In some cases it is advantageous to the FDOT and Utility to include the utility work as part of the roadway contract. In such cases the FDOT will enter into an agreement with a Utility for this purpose. These agreements are called Utility Work by Highway Contractor (UWHC) Agreements. The highway contractor is required to construct or relocate the specified utilities in accordance with the plans and special provisions developed by the Utility and incorporated as part of the bid package. More than one utility plans set may be included. For example, the contract plans may include separate plans for a gas utility and a water utility. It is also possible for the utilities to combine their individual facilities into one plans set and supply them to the FDOT. It is essential that the Engineer of Record (EOR) be aware which method is to be used. This is necessary because reimbursable costs and quantities must be separated and identified in each utility project.

Occasionally utility work may extend outside the normal construction limits of the project. When this is the case the limits of the utility work must be shown or noted on the plans.

For UWHC Agreements, prepare the utility plans in the same basic format as FDOT plans and as a separate plans set. Assemble the plans as follows:

1. Key Sheet
2. Tabulation of Quantities
3. Plan-Profile Sheets
4. Cross Sections (as required)
5. Detail Sheets (as required)

Modification for Non-Conventional Projects:

Delete Item 2 from the above list.

Reflect any special technical or relocation agreement provisions in the plans. In some cases it may not be practical or reasonable to develop separate plans sets for incidental

construction under a UWHC Agreement. The EOR should consult with the District Utility Engineer to determine the requirements in these cases. For further financial guidance, contact the FDOT Office of Comptroller, General Accounting Office.

27.2 Key Sheet

The key sheet is the first sheet in the component plan set and must be prepared as described in **Chapter 3** of this Volume. The location map, length of project box and contract plans set information are not required if shown on the lead key sheet. Show the index of plan on the left side of the sheet. Other data, including name, consultant contract number, vendor number, and certificate of authorization number of the firm (when plans are prepared by a consultant), must be shown as described in **Chapter 3** of this Volume.

Refer to the [Work Program Instructions \(Section 42\)](#) for guidance on the Financial Project ID phase number identification. All other data must be as described in **Chapter 3** of this Volume.

27.3 Tabulation of Quantities

Prepare the tabulation of quantities sheet in standard FDOT format and show any quantities tabulated for location, size, quantity, etc. Standard notes referring to item numbers must also be shown on this sheet or on plan sheets.

Summary of pay item sheets will be prepared as noted in **Chapter 4** of this Volume.

Modification for Non-Conventional Projects:

Delete **PPM 27.3**.

27.4 Plan Sheets

Utility plans must show full construction details for all utilities to be relocated or constructed by the contractor as covered by the UWHC Agreement. A plan-profile sheet format should be utilized where appropriate. Show all underground utilities in the plan portion, and those which equal or exceed 4" must also be shown in the profile portion. Show all above ground Utilities in the plan portion (inclusive of underground connections).

When the construction limits are restricted such as when a power line is above and near a sanitary or water facility, either the facility (overhead lines) must be identified and shown in profile, or the minimum available vertical clearances, along with the type facility, stated on the plans. Show applicable project information similar to that described in **Chapter 10** of this Volume. Show utilities to be relocated or constructed in plan and profile and in accordance with the FDOT Engineering/CADD Systems Software. The scale used should be the same as that used for the roadway plan-profile sheets.

The disposition and final ownership of any utility infrastructure that is to be removed by the contractor and salvaged must be identified in the plans. Include the address of the Utility/Agency Owner receiving the salvaged utility infrastructure in the pay item notes on the Summary of Quantity Sheet (see **Section 7.2.2** and **Exhibit SQ-1** of this Volume).

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