

The following information REVISES and/or SUPPLEMENTS certain sections of RUS Bulletin 1780-2. All documents referenced are available at the Iowa Rural Development website: http://www.rurdev.usda.gov/IA_we_ContractDocs.html.

SECTION 2.d . Tabulation of users by monthly usage categories will be documented by using IA Guide 13j, Water/Sewer Project Information. While the applicant will provide much of the information for this document, it is essential that the engineer consider the number of residential, non-residential, and bulk users, and expected water/sewer flows, when developing alternatives for the proposed facility. Therefore, this document should be prepared jointly between the applicant and engineer to ensure the information is consistent. IA Guide 13j will be included in the PER.

SECTION 6.e. Is supplemented with the following paragraph:
Itemize the proposed engineering fees into the following: Basic Services, RPR fees (show the hourly rate and estimated hours), and list each additional service separately. For more information on the engineer's responsibilities, refer to the EJCDC, Standard Form of Agreement, and applicable RD attachments. Go to the above listed web site for Engineering Agreement information.

SECTION 6.f.ii and iv. Annual O&M and Short-Lived Asset Reserve costs. This information is a summary of estimated O&M and Short-Lived costs for the entire system. Short-lived assets are items that require replacement/repair other than yearly. An example is replacement of a pump. For new system, if a life cycle cost analysis is provided for the recommended alternative, including all components/parts, then reference the location of the analysis data. No additional information is needed. For existing projects where only a part of the project is replaced, an estimated cost for the entire system needs to be provided. A sample is provided on the Iowa RD web site.

ADDITIONAL INFORMATION

For additional information and guidance in preparing the preliminary engineering report, design, and construction please refer to the Iowa RD web site for the following:

- RUS Instruction 1780 Subpart C- Planning, Designing, Bidding, Contracting, Construction and Inspections.
- *Sanitary Sewer Project Guidelines* - Information on typical design features of sewer projects.
- *Sample Life Cycle Cost Calculations - Table for life cycle cost analysis.*
- *Sample Annual O&M and Short-Lived Asset Reserve costs - Total system cost.*

If you have any questions during the preparation of the Preliminary Engineer Report, please call the Rural Development State Engineer at 515-284-4136.