

Engineering Division Request
To Solicit
REQUESTS FOR PROPOSALS
For
Elm Ave / Meade St Reconstruction
DR03-1333

PROJECT DESCRIPTION

The City of Rapid City proposes to reconstruct Elm Ave. from St. Patrick St. to E. Utah Street. In addition, the City also proposes to reconstruct Meade St. from Elm Ave. to Hoefer Ct. Reconstruction of Elm Ave. and Meade St. will consist of removal and replacement of the existing street section, storm sewer improvements (per Elm Ave Drainage Study & Preliminary Storm Sewer Design DR03-1333 – FMG 8/04), sanitary sewer main replacement (see Southeast Rapid City Infiltration/ Inflow Study CETEC 10/97) and reconstruction of water mains and reconstruction as necessary of the 20” transmission Elm Ave (see Corrosion Study for City Metallic Water Transmission Mains: - HKM 2/04). A map has been included with this request for proposals showing the proposed project limits.

Additional background information:

- Water Study – FMG 1985
- Geotechnical Evaluation for Utility Reconstruct – FMG 1999
- City Engineering Estimating Guide
- Meade St. Sewer Reconstruction Plans
- Hawthorne Phase 1 Reconstruction Plans

Design criteria for storm sewer facilities shall include the Rapid City Drainage Criteria Manual and the Meade/ Hawthorne Drainage Basin Design Plan. Criteria for street design shall include the Rapid City Street Design Criteria Manual, “A Policy on geometric Design of Highways and Streets” and “AASHTO Guide for Design of Pavement Structures”. Design criteria for sanitary sewer and water main design shall include Recommended Standards for Wastewater Facilities and Water Works (Ten States Standards) and Draft Design Criteria

Manual for Water Distribution Systems and Sanitary Sewer collection Systems for City of Rapid City and Uniform Fire Code as adopted by the City of Rapid City. All construction plans shall be according to The City of Rapid City Standard Specifications, unless otherwise specified in the Detailed Specifications and/or General Notes.

Various amounts of Preliminary design were performed by FMG Inc. in the project limits. The main scope of FMG design work was for stormwater facilities. The consultant will be required to perform preliminary & final design of the Meade St portion of this project and preliminary plans and studies for Elm Ave. The consultant shall make detailed phasing limit recommendations and prepare the plans accordingly. City staff has identified preliminary phasing limits for this work as follows:

- 1) Meade St (Elm to Hoefer Crt)
- 2) Elm Ave. (Meade St. to St. Patrick St.)
- 3) Elm Ave. (E Utah St to Meade St.)

Note that these phasing limits shall likely need modification and detailing based on project budgeting and infrastructure needs.

A preliminary cost estimate for the project is approximately \$2,700,000 for Phase 1) Meade St from Elm Ave to Hoefer Crt.

Depending on the performance of the selected consultant, a design contract may be negotiated for the future final design phases of Elm Ave.