



# CITY OF RAPID CITY

RW113004-11

## Engineering Division

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(Date)

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Rapid City, SD 57702

RE: Mall Drive Transmission Main Ext. & Alt. A – N. Maple Water Ext.  
Project No. W04-1260

Dear - - - - - :

The City of Rapid City is requesting that you to submit a proposal for geotechnical engineering for the above referenced project. The following information is intended to assist you in developing a scope of work and proposal for our review.

### Items to consider in developing a “Scope of Work” for the project:

Provide a geotechnical report for the proposed project. The report in general should address subsurface conditions, the presence of groundwater, trench excavation and backfill recommendations, and corrosion protection recommendations.

- A. The corrosion recommendations should be developed to obtain a minimum design life of 80 years for the utility. Corrosion recommendations should include coating recommendations, cathodic protection recommendations, pipe material recommendations, etc. It is intended that a detailed specification for corrosion protection will be developed based on the soil conditions and the design life of the utility. It is intended that the development of this specification will be a component of the geotechnical contract and will be a detailed specification for the project.
- B. General Tasks:
  - 1. Recommend locations for geotechnical test holes.
  - 2. The geotechnical testing and the recommendations shall provide information concerning subsurface conditions, soil types and classifications, rock or shale



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conditions and depths, blasting requirements, the presence of groundwater, trench excavation and backfill recommendations, optimum soil moisture conditioning, corrosion protection recommendations, and related soil information. Additional ground water measurements may be required after the initial test hole has been completed in order to adequately address the presence of groundwater.

3. Recommend other geotechnical testing, investigation, design services, and reporting necessary for the project.
- C. Provide Detailed Specifications and recommendations for corrosion protection for a minimum 80-year design life.
1. Provide geotechnical test data necessary to provide recommendations for corrosion protection.
  2. Develop corrosion protection recommendations for the project and present in a report. Report should address coating recommendations, cathodic protection recommendations, pipe material recommendations, etc
  3. Provide proposed detailed specifications for corrosion protection that will be included in the bid documents for the project and present in a report.
- D. Perform SD One- Call Utility locations prior to test hole work.
- E. Obtain proper permits for working in public right of way and any other permits as necessary to fulfill the identified work items.
- F. The City of Rapid City will tie in test hole locations with the project survey datum and provide surface elevations for each test hole and incorporate this information into the plans.
- G. Proposed Project Meetings:
1. Kick-off meeting
  2. Meeting to discuss the Initial Findings and Corrosion Protection Recommendations
  3. Meeting to discuss City review comments of the Draft Report
- H. Proposed Submittal Documents:
1. Initial Findings and Corrosion Protection Recommendations
  2. Draft Report and Detailed Specifications
  3. Final Report
  4. Detailed Specifications for corrosion protection

I. Proposed Schedule:

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|---|----------|
| 1. RFP submitted  | 12/15/04 |
| 2. Interviews   | 12/17/04 |
| 3. Notice to Proceed  | 01/04/05 |
| 4. Field Work Completed:                                      | ASAP     |
| 5. Initial Findings and Corrosion Protection Recommendations: | 02/04/05 |
| 6. Draft Report and Detailed Specifications:                  | 02/18/05 |
| 7. Final Report   | 03/04/05 |
| 8. Detailed Specifications                                    | 03/18/05 |

Please submit your proposal to the City of Rapid City by December 15, 2004 for our review. We anticipate conducting interviews on or about December 17, 2004. In order to issue a Notice to Proceed on January 4, 2005, we will need to have an executable agreement ready for Public Works committee by December 22, 2004.

Please contact me if you have any questions or wish to discuss this proposal further.

Sincerely,

CITY OF RAPID CITY

Stacey Titus, P.E.  
Project Manager

Cc: Ted Vore, Acting Public Works Director  
ED Klueber, Project Administrator  
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