

# REQUEST AUTHORIZATION FOR MAYOR AND FINANCE OFFICER TO SIGN PROFESSIONAL SERVICES AGREEMENT OR AMENDMENT

**Date:**

Project Name & Number: Mall Drive Transmission Main Ext. & Alt. A – N. Maple Water Ext. CIP #: 50344-  
Project No. W04-1260 Geotechnical Services 50346

Project Description: Geotechnical and Corrosion Recommendations for water main extension along North Maple and Mall Drive

Consultant: American Engineering Testing Inc.

Original Contract Amount: \$14,194 Original Contract Date: 01/17/05 Original Completion Date: Design 4/04/05

Amendment Number: One

Amendment Description: Provide pavement section recommendations for Disk Drive and provide construction services for cathodic protection system.

Current Contract Amount:	\$14,194	Current Completion Date:	Design 4/04/05
Change Requested:	\$9,500.00		
New Contract Amount:	\$23,694.00	New Completion Date:	June 1, 2008

Funding Source This Request:

Amount	Dept.	Line Item	Comments
\$14,194.00	933	4223	
\$9,500.00	934	4223	
\$23,694.00	Total		

### Agreement Review & Approvals

Project Manager	Date	Division Manager	Date
Department Director	Date	City Attorney	Date

**ROUTING INSTRUCTIONS**

Route **two** originals of the **Agreement** for review and signatures.  
 Finance Office - Retain one original  
 Project Manager - Retain second original for delivery to Consultant  
 cc: Public Works  
 Engineering  
 Project Manager

**FINANCE OFFICE USE ONLY**

(Note to Finance: Please write date of Agreement in appropriate space in the Agreement document)

	Date	Initials	Approved	
Appropriation			Y	N
Cash Flow			Y	N



AMERICAN  
ENGINEERING  
TESTING, INC.

CONSULTANTS  
· GEOTECHNICAL  
· MATERIALS  
· ENVIRONMENTAL

March 20, 2007

Mr. Stacey Titus  
City of Rapid City Engineering Department  
300 Sixth Street  
Rapid City, South Dakota 57701

Subject: Amendment One  
Geotechnical Exploration Program & Corrosion Protection Design  
Mall Drive Transmission Main Ext. & Alt. A-N. Maple Water Ext.  
Mall & Disk Drives Project No. W04-1260  
Rapid City, South Dakota

Dear Stacey:

## INTRODUCTION

American Engineering Testing Inc. (AET) is pleased to provide this proposal for providing additional Geotechnical work and for providing Corrosion Protection Observation services for the Mall Drive Transmission Main Extension and Alternate A - N. Maple Water Extension project in Rapid City. The following proposal is based on our past work for this project completed in March of 2005.

## PROJECT INFORMATION

Our past work included the geotechnical study for the placement of 4300 feet of new 14 inch water line running along Mall Drive from Haines Avenue to LaCrosse Street and 1100 feet of new 8 inch water line along North Maple from a point approximately 500 feet from the Disk Drive/ North Maple intersection to East Disk Drive. Our services included the design and specifications for the corrosion protection criteria for the new lines.

At this time we understand the project will go under construction around September/October of 2007 and will be completed around March 2008. The water mains are anticipated to be done sometime in March 2008. The reconstruction of Disk Drive is anticipated to be constructed in June 2008. The City is proposing an alternate to reconstruct PCC pavement for the proposed 300' asphalt overlay portion. Under this alternate, the street would be reconstructed from Maple/Disk intersection east to where the existing PCC pavement ends ( approximately 500' - 600').

During construction AET's subconsultants, Perry Electric and CETEC will provide project input and review as well as periodic construction observation of corrosion protection with final testing and report. In addition AET will provide additional geotechnical work to evaluate the soil conditions at the intersection of Disk Drive and N Maple Avenue with new pavement recommendation provided for the streets.

## SERVICES

Anticipated project services by AET and for our two consultants are indicated below.

**AET - Project Document Review** - AET will provide fresh copies of the project soils report and corrosion design specifications for City review and comments. These documents will be submitted by May 1, 2007. AET & CETEC will attend one final project meeting to discuss the City's review and comments, and if necessary, make minor adjustments to the documents with final submittal to follow.

**Additional Geotechnical Study** - AET will drill three (3) borings to 5 feet below existing grade, Run applicable lab testing and submit report with concrete and asphalt pavement sections

**Perry Electric** - (1) Attend project "kick off" meeting to be available to answer questions and confirm installation criteria; (2) verify proper installation, perform inspection of cathodic protection systems and complete progress reports at least three times during construction; (3) make final closing/completion report and (4) provide a written Operations Procedure to owner/operators of the completed water line.

**CETEC** - Provide project consultation at project "kick off meeting and at 4 to 5 project monthly meetings during construction.

## FEES

Fees for the above services are listed below.

AET Geotechnical Study/Meetings	\$1,500.00
Perry Electric - Construction Services	\$7,000.00
CETEC - Construction Services	<u>\$1,000.00</u>
<b>Total -Amendment One</b>	<b>\$9,500.00</b>

<b>Original Maximum Limiting Fee</b>	<b>\$14,194.00</b>
<b>Proposed Amendment One</b>	<b>\$ 9,500.00</b>
<b>Total Amended Maximum Fee</b>	<b>\$23,694.00</b>

## GEOTECHNICAL SCHEDULE

AET will begin and complete the additional drilling services within 10 days from receiving written authorization to proceed. We assume the drilling can be completed within one day. Laboratory



