

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

Date: March 16, 2007

Project Name & Number: Memorial Park and Farlow Avenue Water Main Reconstruction
Project W07-1531

CIP #: 50465

Project Description: Reconstruct 24 " & 4" Water Mains beginning near the Holiday Inn and ending at the intersection of Farlow Avenue and Anamosa Street.

Consultant: Ferber Engineering Company

Original Contract Amount: \$275,556.00

Original Contract Date: March 16, 2007

Original Completion Date: 95%-8-1-07
Sept. 1, 2008

Amendment Number: 1

Amendment Description: Add traffic control plan and detailed specifications to project.

Change Requested: \$8,742.40
New Contract Amount: \$284,298.40

New Completion Date: 95%-10-5-07

Funding Source This Request:

Amount	Dept.	Line Item	Comments
\$8,742.40	933	4223	
\$8,742.40	Total		

Agreement Review & Approvals

Keith Johnson
Project Manager

8/22/07
Date

LLBS
Division Manager

A 8/22/07
Date

Dick Gleason
Department Director

8/22/07
Date

H. H. 8/22/07
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	8/22/07	<i>JB</i>	<i>Y</i> N
Cash Flow			<i>Y</i> N

ADDENDUM #1
TO
AGREEMENT FOR PROFESSIONAL SERVICES

This **ADDENDUM #1 TO AGREEMENT FOR PROFESSIONAL SERVICES** is made and entered into this 21st day of August, 2007, by and between the City of Rapid City, South Dakota, hereinafter called **CITY**, and Ferber Engineering Company, Inc., a South Dakota Corporation, hereinafter called **CONSULTANT**.

WHEREAS, **CITY** and **CONSULTANT** have previously entered into an agreement for professional services for the **PROJECT** identified as **Memorial Park and Farlow Avenue Water Main Reconstruction Project – City Project No. W07-1631 / CIP No. 50465**; and,

WHEREAS, the agreement for professional services calls for design and construction related services for "...the reconstruction of approximately 2,600 lineal feet of large diameter water transmission main from the Rushmore Plaza Civic Center to Anamosa Street via Farlow Avenue. The **PROJECT** includes replacement of the Farlow Avenue 4-inch galvanized water main with 8-inch PVC water main as well as reconstruction of various other distribution mains in the **PROJECT** area. The **PROJECT** includes abandonment of various transmission and distribution mains, reconnection of all water services in Dilger and Farlow Avenues and asphalt patching of the disturbed streets."; and

WHEREAS, the overall scope of the **PROJECT** has changed substantially (see letter dated August 1, 2007, attached as Exhibit B); and

WHEREAS, the agreement stipulated the design of Conceptual Construction Traffic Control, including the general layout out of the **PROJECT** and generalized notation of construction traffic control facilities with the understanding that the selected contractor is responsible for the development of a detailed construction traffic control plan; and,

WHEREAS, the **CONSULTANT** is currently completing the design phase of the agreement; and

WHEREAS, the **CITY** desires to revise the scope of the Conceptual Construction Traffic Control design to provide a more standardized, deliverable submittal product from contractors; and

WHEREAS, the **CITY** desires to include within the Conceptual Construction Traffic Control design

- 1) survey of existing traffic control facilities within a two block area outside of the **PROJECT** limits,
- 2) preparation of additional scaled plan sheets for use by the *selected contractor* for use in developing their construction traffic control plan,
- 3) development of construction traffic control submittal requirements,

Memorial Park and Farlow Avenue Water Main Reconstruction Project
City Project No. W07-1631 / CIP No. 50465

- 4) development of additional construction specifications to supplement Sections 90 and 91 of the 2007 edition of the Rapid City Standard Specifications for Public Works Construction, and
- 5) provide additional submittal review efforts specifically for the Conceptual Construction Traffic Control Plan submittals.

NOW, THEREFORE, CITY and CONSULTANT in consideration of the payments and agreements herein contained, do hereby agree that the Agreement for Professional Services, made and entered into on the 16th day of March 2007 shall be amended as follows:

This **PROJECT** shall include an expansion of Article I, Section E., Subpart E.7 Conceptual Construction Traffic Control Plans to include the additional work as summarized above and detailed below. Work, plans and reports related to the Construction Traffic Control services shall be identified as **Memorial Park and Farlow Avenue Water Main Reconstruction Project**.

The **SCOPE OF SERVICES** for the **Memorial Park and Farlow Avenue Water Main Reconstruction Project** is revised to reflect the following:

Article I, Section E, Subpart E.7 – Construction Traffic Control Plans

- CONSULTANT** will provide additional field survey to collect existing traffic controls along Haines Avenue, North Street, East Boulevard North, Anamosa Street and all intersecting streets within two (2) blocks outside of the **PROJECT** area.
- CONSULTANT** will produce 22"x34" Conceptual Traffic Control Plan sheet at a scale of 1"=300' to show all existing traffic controls within at least two (2) blocks outside of the actual **PROJECT** area to be included in the biddable plan set.
- CONSULTANT** will produce a 22"x34" Construction Traffic Control Plan Notes sheet outlining the minimum acceptable shop drawing submittal requirements and additional traffic control specification requirements for the **PROJECT**.
- CONSULTANT** will include Construction Traffic Control Plan and Construction Traffic Control as separate line items in the Bidders Proposal for the **PROJECT**.
- CONSULTANT** will prepare an Engineer's Estimate of Probable Construction Cost for the items of Construction Traffic Control Plan and Construction Traffic Control for the **PROJECT**.
- CONSULTANT** will produce one set of 22"x34" Construction Traffic Control Plan sheets at a scale of 1"=100' for use by the *selected contractor* to develop their Construction Traffic Control Plan for the **PROJECT**.
- CONSULTANT** will review the submitted Construction Traffic Control Plan for conformance to City Standard and **PROJECT** specifications prior to scheduling the preconstruction conference.
- CONSULTANT** will provide additional input to contractors during the bidding phase of the **PROJECT** to answer specific Construction Traffic Control Plan questions.

Memorial Park and Farlow Avenue Water Main Reconstruction Project
City Project No. W07-1631 / CIP No. 50465

The **SCOPE OF SERVICES** for the **Memorial Park and Farlow Avenue Water Main Reconstruction Project** is revised to reflect the following submittal dates:

Article III, Section 3.3 – Times for Rendering Services

CONSULTANT will submit 95% Plans and Specifications by **October 5, 2007**.
CONSULTANT will submit Final Plans and Specifications by **October 26, 2007**.

The Additional Services included in this **ADDENDUM #1** will be completed according to the following:

Memorial Park and Farlow Avenue Water Main Reconstruction Project – Construction Traffic Control - \$8,742.40.

The Additional Services included in this **ADDENDUM #1** will be performed in accordance with the Terms and Conditions of the Agreement for Professional Services dated March 16, 2007, and the 2007 Schedule of Charges attached as Exhibit A.

The **CONSULTANT** will assist the **CITY** with Planning Commission Review, Public Works Committee Review and Authorization to Advertise from the City Council upon request from the **CITY**.

Completion of the Construction Phase Services shall be coincident with the completion of construction of the **PROJECT** (projected September 19, 2008) except for As-built Drawings. As-built drawings will be completed 60 days after completion of construction. All services shall be completed by December 31, 2008.

Memorial Park and Farlow Avenue Water Main Reconstruction Project
City Project No. W07-1631 / CIP No. 50465

IN WITNESS WHEREOF, the parties hereto have made and executed this **ADDENDUM #1**
as of the date and year first above written.

THE CITY OF RAPID CITY, SOUTH DAKOTA


Alan Hanks, Mayor

ATTEST:

James F. Preston
Finance Officer

Date: _____

FERBER ENGINEERING COMPANY, INC.

BY: 
Dan P. Ferber, President

Date: August 21, 2007

Memorial Park and Farlow Avenue Water Main Reconstruction Project
City Project No. W07-1631 / CIP No. 50465

EXHIBIT A

2007 SCHEDULE OF CHARGES

<u>EMPLOYEE CLASSIFICATION</u>	<u>HOURLY RATE</u>
Principal-In-Charge	\$100.00
Registered Land Surveyor	\$90.00
Registered Professional Engineer	\$90.00
Graduate Engineer III	\$60.00
Graduate Engineer II	\$55.00
Graduate Engineer I	\$50.00
Senior Technician	\$55.00
Technician	\$40.00
Survey Crew 2-Man	\$85.00
Drafter	\$55.00
Clerical	\$45.00
Mileage	\$.485

PRINTING CHARGES

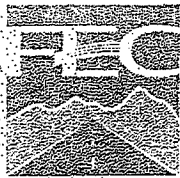
Bond	\$.20/sq ft
Vellum	\$.30/sq ft
Mylar	\$.50/sq ft
Clear Film	\$.50/sq ft
Photocopies, 8 ½" x 11" (BW)	\$.10
Photocopies, 8 ½" x 11" (Color)	\$.50
Binding (up to 1")	\$ 2.00

GPS SURVEY

Full Day	\$400.00 + Tech*
Half Day	\$250.00 + Tech*

*Tech includes hourly rate of employee plus expenses





**Ferber
Engineering
Company, Inc.**

- * Civil Engineering
- * Water Resources
- * Transportation
- * Land Surveying

August 1, 2007

EXHIBIT B

Mr. Keith Johnson
Rapid City Engineering Services
300 6th Street
Rapid City, SD 57701

**RE: Holiday Inn, North Street and Farlow Avenue Water Main Reconstruction
W07-1631/CIP #50465**

Dear Keith:

Ferber Engineering Company, Inc., is requesting an amendment to our contract to extend the contractual dates for various submittals. The following letter outlines the reasons for the request and the revised dates. There is no request for additional funds with this time extension request.

This Project initially began under the assumption that approximately 2,700 lf of 24-inch, cement-lined steel water transmission main and 2,300 lf of 8-inch would be designed and constructed in Farlow Avenue to replace the existing 20- and 24-inch water transmission main in Dilger Avenue. A major part of the Project was to determine the necessary size of the proposed transmission main by hydraulic modeling.

During the course of modeling for this Project, the scope of the modeling was extended by the City to include verifying water supply for East Mall Drive – N. Lacrosse Street to E. North Street and the East Anamosa Street Extension projects. The hydraulic model extended from the Water Treatment Plant to Elk Vale Road and from St. Patrick Street to the Meade County line. Existing conditions information for the hydraulic model was gleaned from the Rapid City Utility System Master Plan existing conditions water model. This extended modeling required an additional two (2) weeks of time beyond the original estimated time.

As a result of detailed hydraulic modeling, the scope of this Project changed from one large diameter main and one smaller distribution main to design of the following:

- 2,700 lf of 16-inch PVC water transmission main along Farlow Avenue
- 2,300 lf of 8-inch PVC water distribution main along Farlow Avenue
- 800 lf of 12-inch PVC water distribution main between the Civic Center and Holiday Inn
- 1,200 lf of 24-inch PE-encased, cement-lined ductile iron pipe
- 2,900 lf of 16-inch PVC water transmission main along North Street from Farlow Avenue to East Boulevard
- 800 lf of 8-inch PVC water distribution mains at various locations throughout the Project.

Mr. Keith Johnson
August 1, 2007
Page 2 of 2

The current preliminary engineer's estimate of probable construction cost for the items presented above is approximately \$2.2 million with the original project construction budget being \$1.84 million. Construction alternates will be utilized in the final plans and specifications to ensure that as many of the recommended improvements can be constructed within the original Project budget as possible.

The extent of field survey and design increased substantially from the original anticipated scope. In addition to the increased design scope, the City is now requesting a two week review time frame for the 65% design submittal and a three week review time for the 95% design submittal. The large extent of this Project requires the development of a very detailed construction sequencing so that water service is maintained at all times to all customers.

The original intended bid date for this Project was October 9, 2007. However, just with the additionally requested review time this date must be extended to November 13, 2007. Therefore, Ferber Engineering Company, Inc., is requesting that the dates in Article III, Subsection 3.3 of our contract with the City of Rapid City, dated March 16, 2007, be amended to the following:

- Add 65% Design submittal date – August 8, 2007
- Change the 95% Design submittal date from August 1, 2007 to October 5, 2007
- Change the Final Plans and Specifications completion date from September 14, 2007 to October 26, 2007.

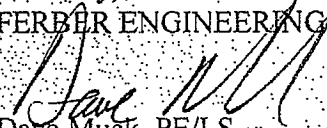
Construction is still intended to begin this winter. The 65% design submittal will include a preliminary construction alternates list as well as a detailed preliminary construction sequence.

We have also been asked by the City to add an additional task to this Project. Traditionally, development of a conceptual traffic control plan has been included within the scope of the design contract. This conceptual plan has provided enough detail for the selected Contractor to develop the detailed traffic control plan for the project. The City is now requesting that we provide a DETAILED construction traffic control plan that will serve as the model for projects throughout the City from this point forward. As such, we are developing a scope of work and cost estimate with Interstate Engineering to provide the required services. This contract amendment will be provided to you under separate cover by August 8th for the August 14th Public Works Committee meeting.

Please hold this time extension request until we have submitted the contract amendment for the construction traffic control.

We appreciate your attention to this matter. We have thoroughly enjoyed working on this Project to this point and look forward to working with you until the recommended facilities are in the ground and operational. If you have any questions or comments, please call.

Sincerely,
FERBER ENGINEERING COMPANY, Inc.


Dave Muck, PE/LS
Project Manager