

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

Date:

Project Name & Number: Civic Center Expansion IDP06-1555

CIP #:

Project Description: Material testing and inspection for 5000 seat multi-purpose event center / arena

Consultant: American Technical Services, Inc.

Original Contract Amount: \$41,655.00

Original Contract Date: 7-05-2006

Original Completion Date: 12-1-2006

Amendment Number:

Amendment Description:

Current Contract Amount: _____

Current Completion Date: _____

Change Requested: _____

New Contract Amount: _____ \$0.00

New Completion Date: _____

Funding Source This Request:

Amount	Dept.	Line Item	Comments
\$41,655.00	0136	4223	Vision 2012 Funding - Design and Costruction Administration
\$41,655.00	Total		

Agreement Review & Approvals

 _____ Project Manager	6-13-06 _____ Date	 _____ Division Manager	6-21-06 _____ Date
 _____ Department Director	6/13/06 _____ Date	 _____ City Attorney	6/21/06 _____ 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
6/21/06	JD	(Y) N
		Y N

**RECEIVED**

JUN 16 2006

RAPID CITY
PUBLIC WORKS7557 Black Hawk Rd • PO Box 558 • Black Hawk, SD 57718-0558 • Phone (605) 787-9515 • FAX (605) 787-9515
140 Pine Needle Drive • Spearfish, SD 57783 • Phone (605) 642-2742 • Mobile 390-3768

CITY OF RAPID CITY
 Department of Public Works
 300 6th Street
 Rapid City, South Dakota 57701

June 14, 2006

Attn: Mr. Rod Johnson

Subj: Proposal for Material Testing & Inspection
Rushmore Plaza Civic Center Multipurpose Addition
Rapid City, South Dakota

ATS No. 05-5345

Thank you for the opportunity to provide you with this proposal for materials testing and inspection services to be performed for the above referenced project. This proposal consists of the narrative, scope of work, unit rates and estimated fee, and general conditions.

SCOPE OF WORK

American Technical Services will provide the necessary tools, equipment and personnel to perform driven pile inspection, soil field and lab testing, concrete field and lab testing, masonry field and lab testing, steel weld and bolt inspection, and asphalt field and lab testing for the **Rushmore Plaza Civic Center Multipurpose Addition to be built in Rapid City, South Dakota.**

Field sampling and testing, laboratory testing, and on-site inspection will be conducted by experienced and qualified Engineering Technicians under the direct supervision of a Registered Professional Engineer. The proposed services will include on-site and laboratory testing as requested and specified to determine conformance of the following construction with the project specifications:

- o Driven pile inspection and documentation;
- o Soil acceptance and compaction testing below floor slabs, pavement, exterior slabs, and structure backfill;
- o Field and laboratory concrete testing for driven pile, caps, grade beams, slabs and deck slabs, pavement, curb and gutter, and sidewalks;

- o Field and laboratory masonry testing for CMU walls;
- o Field and laboratory asphalt testing for access roads and parking lots
- o Steel weld and bolt inspection for steel members

Services provided by the Professional Engineers of American Technical Services will consist of professional opinions and recommendations made in accordance with generally accepted engineering practice.

The presence at the site of field representatives of American Technical Services will be to provide our Client with a continuing source of information relative to materials and operations and will not include any superintending, supervision, direction or responsibility for safety of the actual work of the Contractor or the Contractor's workmen.

These fees are based upon all segments of the work being accomplished once. Observation, sampling, testing or Engineering services related to correction of efficient materials or operations not furnished or performed by American Technical Services are not included in the scope of work or fees presented herein.

UNIT RATES AND ESTIMATED FEES

<u>ITEM</u>	<u>UNIT</u>	<u>RATE</u>	<u>EXTENSION</u>
A. <u>EARTHWORK</u> : Excavation Observation, Native Soils Analysis, and Engineered Fill Analysis			
Laboratory & Field Testing - Soils:			
Proctors	3 ea	\$ 80.00/ea	\$ 240.00
Gradation & PI	3 ea	\$ 80.00/ea	\$ 240.00
Engineering Technician	60 hrs	\$ 40.00/hr	\$ 2400.00
Geotechnical Engineer	15 hrs	\$ 85.00/hr	<u>\$ 1275.00</u>
		Subtotal A :	\$ 4,155.00
B. <u>DRIVEN PILE INSPECTION</u> : <i>Bid based on installing 10 piles/day</i>			
Based on installing 365 piles. Each pile will be documented for plumbness, alignment, total length driven, and bearing capacity, etc.			
Engineering Technician	380 hrs	\$ 40.00/hr	\$15,200.00
Geotechnical Engineer	80 hrs	\$ 85.00/hr	<u>\$ 6,800.00</u>
		Subtotal B :	\$22,000.00

**Proposal for Material Testing & Inspection
Rushmore Plaza Civic Center Multipurpose Addition
Rapid City, South Dakota**

PW062706-15
June 14, 2006
ATS 05-5345

C.	<u>CONCRETE:</u> Field and Laboratory Testing for pile fill, pile caps, grade beams, slabs & decks			
	Concrete Cylinders (Set of 4)	60 sets	\$ 40.00/set	\$2,400.00
	Engineering Technician	120 hrs	\$ 40.00/hr	<u>\$4,800.00</u>
			Subtotal C :	\$ 7,200.00
D.	<u>ASPHALT:</u>			
	Marshall Specimens	2 sets	\$100.00/set	\$ 200.00
	Engineering Technician	20 hrs	\$ 40.00/hr	<u>\$ 800.00</u>
			Subtotal D :	\$1,000.00
E.	<u>MASONRY:</u> Mortar and grout testing for CMU walls			
	Mortar & Grout Specimens	20 sets	\$ 40.00/set	\$ 800.00
	Masonry Prisms	2 set	\$225.00/set	\$ 450.00
	Engineering Technician	40 hrs	\$ 40.00/hr	<u>\$1,600.00</u>
			Subtotal E :	\$ 2,850.00
F.	<u>STEEL WELD AND BOLT INSPECTION:</u>			
	Senior Engineer	30 hrs	\$ 75.00/hr	\$2,250.00
	Weld Testing Equipment	Lump Sum		<u>\$1,200.00</u>
			Subtotal F :	\$ 3,450.00
G.	<u>MOBILIZATION:</u>			
	Trip Charge	100 ea	\$ 10.00/ea	<u>\$1,000.00</u>
			Subtotal G :	\$1,000.00

Total Estimated Fees

Subtotal A :	\$ 4,155.00
Subtotal B :	\$22,000.00
Subtotal C :	\$ 7,200.00
Subtotal D :	\$ 1,000.00
Subtotal E :	\$ 2,850.00
Subtotal F :	\$ 3,450.00
Subtotal G :	<u>\$ 1,000.00</u>

Total Estimated Fee = \$ 41,655.00

Please note that ATS conducted the geotechnical analyses for the development of all components of this project. Thus, we are familiar with the site conditions and requirements.

This is our estimate of testing services based on the project specifications and our knowledge of construction sequencing.

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PW062706-15
June 14, 2006
ATS 05-5345

We anticipate that multiple tasks (i.e., soil and concrete testing) will be performed during our visits thereby saving on mobilization.

We will invoice for services requested and provided using the aforementioned unit rates. If additional testing is required or requested, we will perform the tests using the unit rates quoted here, as applicable. Tests not stated but are requested will be invoiced using our current fee schedule. We would only exceed the estimated total fees after your approval.

We will increase or decrease frequencies of testing upon request. Any or all of the above quoted services can be contracted.

Retests will be conducted as necessary and billed per the contract documents. **The actual fee will reflect the services requested and performed.** The City of Rapid City has a tax-exempt status.

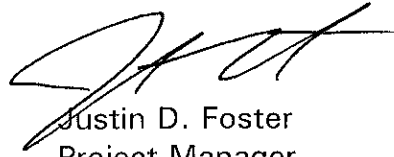
We look forward to working with you. If you have any questions or comments, we will be happy to discuss them with you.

If this proposal meets with your approval, please sign below and return a signed copy for our records.

Sincerely,
American Technical Services, Inc.



Dave G. Bressler, P.E.
Director of Engineering



Justin D. Foster
Project Manager

The foregoing proposal narrative and all attachments have been read and are hereby accepted.

ORGANIZATION

MAYOR OF RAPID CITY

DATE

ORGANIZATION

FINANCE OFFICER

DATE