

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

**Date:**

**Project Name & Number:** Canyon Lake Dam Maintenance  
Project No. DR04-1433 Underwater Survey and Dye Testing

**CIP #:** 50576

**Project Description:** Conduct underwater Survey and Dye Testing to evaluate extent of maintenance needed.

**Consultant:** Midco Diving & Marine Services, Inc.

**Original Contract Amount:** \$4,400

**Original Contract Date:**

**Original Completion Date:**

**Amendment Number:**

**Amendment Description:**


**Current Contract Amount:** \_\_\_\_\_  
**Change Requested:** \_\_\_\_\_  
**New Contract Amount:** \_\_\_\_\_ **\$0.00**

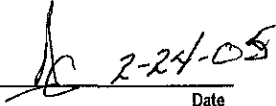
**Current Completion Date:** \_\_\_\_\_  
**New Completion Date:** \_\_\_\_\_


**Funding Source This Request:**

Amount	Dept.	Line Item	Comments
\$4,400.00	8911	4371	
\$4,400.00	Total		

### Agreement Review & Approvals

 \_\_\_\_\_  
Project Manager Date 2-24-05

 \_\_\_\_\_  
Division Manager Date 2-24-05

 \_\_\_\_\_  
Department Director Date 2/24/05

\_\_\_\_\_  
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
2/24/05		(Y) N
Cash Flow		Y N



## Diving & Marine Services, Inc.

P.O. Box 513 Rapid City, South Dakota 57709  
800.479.1558  
800.238.0217 fax  
www.midcodiving.com  
info@midcodiving.com

February 23, 2005

City of Rapid City  
Rapid City, South Dakota  
Engineering Department  
605-394-4154  
606-394-6636 fax  
Attention: Mr. Dion Lowe

**RE: Canyon Lake Dam Maintenance Project  
Comprehensive Underwater Survey and Dye Testing**

Midco Diving & Marine Services, Inc. is pleased to provide the following proposal to perform the scope of work outlined below.

1. Visual inspection of all submerged concrete dam structures including dam and wing walls
  - a. *Includes dye testing for leaking/seepage of all voids found including cracks and expansion joints*
2. Visual inspection of dam spillway slab/apron section and submerged apron toe/footing
3. Investigate sinkhole found by RCFD Divers in July of 2004.
4. Dye testing of sinkhole/sinkholes to correlate/confirm sinkhole and boiling at slab apron toe
5. Complete survey of upstream pool approximately 100' from dam crest and from shore to shore to include bottom profile, sediment depths, erosion, debris and any indications of new sinkhole/seepage areas
6. As-built verification (as needed and directed by engineers)
7. High-resolution underwater color video with diver/topside voice feed of any significant findings
8. Written Documentation of all facts and findings
9. Buoy marking and mapping of all significant findings
10. Final written report and underwater video footage due within one week of completion of underwater survey and dye testing

Pricing for the above services with an estimated completion time of 2 days

3-man Dive Crew With Shallow Water Air Package	\$1875.00
Per 8-hour day	
High-resolution underwater water color video	\$150.00
Per 8-hour day	
Incidentals and Consumables	cost plus 15%
Dye for testing	cost plus 15% (\$350 est.)


**Total not to exceed.....\$4400**

This project is tentatively scheduled for Thursday March 17, 2005 and Friday March 18, 2005.

All Midco Diving quotes are subject to availability of personnel and equipment; please confirm soon for scheduling purposes.

**This quotation has been prepared exclusively for your utility. The contents of this quotation are considered confidential and are not to be divulged to third parties.**

Sincerely,



Robert Greenspan  
President

**THE CITY OF RAPID CITY, SOUTH DAKOTA**

BY \_\_\_\_\_  
**JIM SHAW, MAYOR**

ATTEST \_\_\_\_\_  
**JAMES F. PRESTON**  
City Finance Officer