

NOTICE TO ALL PROPOSERS

Any Firm or Corporation wishing to enter into a contract with the Wyoming Water Development Commission must possess a Certificate of Good Standing issued by the State of Wyoming Office of the Secretary of State to conduct business in Wyoming.

Contracts will not be finalized until Firms have met these requirements.

Proposers should also pay particular attention to project deadlines in the Scope of Services as these may have changed from previous years due to Commission approved changes to project funding approval and consultant selection schedules.



WYOMING WATER DEVELOPMENT OFFICE

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Harry C. LaBonde, Jr., P.E.
Director

REQUEST FOR PROPOSAL NO. 18-8 RIVER BASIN PLANNING - GIS DATA MODEL IMPLEMENTATION, LEVEL I STUDY

SEALED NON-PRICED PROPOSALS, INCLUDING 10 PAPER COPIES AND 1 DIGITAL COPY IN PDF FORMAT ON A CD OR USB DRIVE, WILL BE RECEIVED by the WYOMING WATER DEVELOPMENT COMMISSION (Commission), 6920 Yellowtail Road, Cheyenne, Wyoming 82002 (82009 if shipping by means other than US Postal Service) until 1:00 p.m., March 30, 2018, at which time they will be publicly opened for PROFESSIONAL SERVICES required to conduct the River Basin Planning - GIS Data Model Implementation, Level I Study.

SEALED PRICE PROPOSALS, INCLUDING 1 PAPER COPY AND 1 DIGITAL COPY IN WORD FORMAT ON A CD OR USB DRIVE, shall also be submitted in a single separate sealed envelope containing itemized prices accompanying the copies of the non-priced proposals. These envelopes shall be opened after the firms to be interviewed have been selected and prior to the interviews. Neither proposal contents nor prices will be released at the proposal openings.

Any inquiries regarding this request for proposal should be directed to Peter Gill, Project Manager, Wyoming Water Development Office, 6920 Yellowtail Road, Cheyenne, Wyoming 82002, Telephone (307) 777-7626.

Your proposal shall be based on the following attachments "A", "B", and "C".

DATED THIS 5th DAY OF MARCH, 2018.

Harry LaBonde, Director
Wyoming Water Development Office

REQUEST FOR PROPOSAL NO. 18-8 (Cont'd.):

ATTACHMENT "A"

A. INFORMATION FOR PROPOSERS:

1. In order to be considered for an award, each proposal must bear the signature of the proposer or his authorized representative, the work must be supervised by a Wyoming licensed engineer/geologist, as appropriate, and the firm must be registered with the State of Wyoming.
2. Proposals received after the date and time specified will not be accepted or considered. **This requirement is strictly enforced.**
3. After the successful proposer is selected, the Commission will negotiate a final contract, scope of services, and contract price based on, but not limited to, the work items in Attachment "B". The Commission, at its sole discretion and through duly authorized contract amendments, may request the selected consultant to complete additional work or phases beyond the scope of services included in the initial contract.
4. After the final contract is negotiated and work begun, payment to the successful proposer shall be based on an itemized billing of work completed as derived from the approved hourly rate and reimbursable expenses price schedule approved by the Commission and contained in the contract for services. A total contract amount and an amount for each task will be specified in the contract. The total contract amount is controlling and shall not be exceeded without prior written consent of the Commission. Requests for payment must be made on forms provided by the Commission, or an approved equal, and must be properly executed. Payment will be made no more often than monthly.
5. The successful proposer shall furnish all materials, equipment and labor necessary to complete the study.
6. The State of Wyoming reserves the right to reject any or all proposals submitted.
7. The successful proposer shall be fully insured as to save the State of Wyoming harmless from any claims involving the employees or equipment used by the successful proposer and subconsultants while executing this service.
8. The successful proposer shall be familiar with all applicable state laws. The attention of prospective proposers is called to the requirements as to the conditions of employment to be observed and to all applicable laws affecting the work, particularly to the procurement procedures required by Section 9-2-1016 and Section 9-2-1027 through 9-2-1033, Wyoming Statutes.

9. No prospective proposer shall withdraw their proposal for a period of thirty (30) days after the actual date of proposal opening.

10. The Wyoming Water Development Office (Office) shall provide all possible assistance and cooperation to firms preparing proposals for this project. The proposer should understand that verbal comments may be subject to misinterpretation and are in no way binding on the individual, Office, or the Commission. If questions arise concerning any aspect of this request for proposals, the proposer should request clarification in writing. A copy of this request, as well as the written response, shall be provided to all firms receiving a request for proposals on the project.

11. The State of Wyoming hereby notifies all prospective proposers that it will affirmatively ensure that in any contract entered into pursuant to the advertisement, small or minority business enterprises will be afforded full opportunity to submit proposals in response to this invitation and will not be discriminated against on the grounds of age, race, religion, color, sex, national origin, or ancestry in consideration for an award.

12. The proposer hereby agrees that should they be awarded this contract, proposer shall not discriminate against any person who performs work thereunder because of age, race, religion, color, sex, national origin or ancestry.

B. PROPOSAL FORMAT:

The proposal shall be prepared and contain the following information:

1. Cover letter submitted with proposal.
2. Title page.
3. Table of Contents.
4. Introduction.
5. Scope of Services:

A detailed Preliminary Scope of Services is included in Attachment "B". State how you intend to conduct the activities presented in the Preliminary Scope of Services, and list all assumptions made in preparing the proposal. The proposed work/approach should be presented in the same format as in Attachment "B" and should address all the requirements contained therein.

6. Proposed Scope Alterations:

If you feel that the Preliminary Scope of Services (Attachment "B") may be improved by additions, deletions, or changes, please elaborate in this section. State your

alterations as specific task changes for the activities presented in the Preliminary Scope.

7. Qualifications:

- a. Briefly show your firm's capability for performing this project.
- b. List project team members and identify the project manager. As applicable, include a certification that the work conducted will be supervised by a professional engineer licensed in Wyoming as required by the provisions of WS 33-29-114 through WS 33-29-139 and a professional geologist licensed in Wyoming as required by the provisions of WS 33-41-101 through 33-41-121. Provide the Wyoming Board of Professional Engineer's license number of your firm.
- c. State which of your offices will perform the project work.
- d. Provide a resume for each key project member.
- e. Identify all proposed subconsultants, list the work to be performed by the proposed subconsultants, and provide statements of project specific qualifications for each subconsultant.

8. Listing of current clients whose interests may compete or conflict with the project described herein.

9. Work Schedule. Assume a Notice to Proceed will be issued late-June. Provide a bar graph schedule depicting the duration on each work item and the proposed phasing of the work.

10. Previous Work for Sponsor. List any projects for which your firm has been under contract to the sponsor during the period of 2013 to 2017. This list should include individual project names, dates and contract amounts.

C. PRICE PROPOSAL:

Submitted with the non-priced proposal, but in a separate single sealed envelope, shall be one copy of the price proposal(s) in paper copy and one digital copy in Word format on a CD or USB drive. The envelope shall be labeled with the project name and shall indicate that it contains the price proposal(s).

Two price proposals may be submitted. One proposal, prepared in the format of Attachment "C", must give costs to perform the Preliminary Scope of Services as specified in Attachment "B". A second price proposal may also be submitted, in a format similar to Attachment "C", specifying costs for the Preliminary Scope of Services with Alterations as per Item B.6 (Proposed Scope Alterations). The

proposed hourly rate and reimbursable expenses price schedules for each firm involved shall be included in each price proposal, and shall be in Word format.

D. CONTRACTOR SELECTION PROCEDURES:

The Commission will conduct the selection process in accordance with Sections 9-2-1016 and 9-2-1027 through 9-2-1033, Wyoming Statutes.

For those firms requesting consideration, the Commission has evaluated current statements of qualifications and performance data on file with the Office together with any applications submitted, and has selected not less than three (3) firms (if available) considered qualified to perform the required professional services to submit proposals. Consideration in the selection process by the Commission is based upon the ability of professional personnel, past performance, willingness to meet time requirements, location, residency, current and projected workloads, the volume of work previously awarded to the firm by the Commission, and the equitable distribution of contracts among qualified firms.

The Commission will evaluate proposals submitted by the short listed firms and, based upon these proposals, select those firms that will be interviewed. The qualifications, experience, and expertise of the project team and contents of the work proposal will be considered in selecting firms to be interviewed. Price will not be considered in determining consultants invited to the interview process.

The Commission will interview not less than three (3) firms, if possible, selected from those that have submitted proposals to do the work. The interview shall be recorded and include discussion of each firm's approaches to the project, projections of project costs, qualifications, ability to furnish required professional services, use of alternative methods for furnishing required professional services, and an estimated fee based on the Commission's description of the work. The estimated fee and other information provided throughout this process may be used as a basis for selection by the Commission of the most appropriate firm for contract negotiations.

REQUEST FOR PROPOSAL NO. 18-8 (Cont'd.):

ATTACHMENT "B"

A. AUTHORIZATION:

It is anticipated that the Wyoming Legislature will authorize the Wyoming Water Development Commission to conduct the study described herein. The Consultant will complete the tasks and requirements outlined in D. Scope of Services.

B. PROJECT DESCRIPTION:

1. Location. The extent of this project is the entire State of Wyoming.
2. Purpose. To perform a Level I study for River Basin Planning - GIS Data Model Implementation.
3. History. GIS data have been collected for the last 15 years through WWDC planning studies. Inconsistencies and lack of metadata limit the ongoing utility of the GIS data. In 2016 the Commission funded the Bear River Data Model Pilot Study in order to produce GIS standards for future projects. The resulting WWDO GIS Data Framework Plan (<http://water.geospatialhub.org/pages/wwdc-gis-standards>) recommends that "Statewide base data should be developed to improve consistency and reduce redundancy. A common level of data development across the state will inform the design of water projects, document the use of Wyoming's water, and facilitate permitting. These core datasets that apply to all WWDC planning projects and contribute to interagency coordination should be developed statewide. Based on the data gaps analysis, the core datasets that should be developed statewide could be characterized as infrastructure, water availability, and project development." This project is focused on developing statewide water infrastructure data. By developing water infrastructure data statewide, the Office can ensure its consistency and accuracy, create cost savings on all future Level I projects in the future, and modernize the program to be on par with other state agencies and other states.

C. PROJECT REQUIREMENTS:

1. Monthly Progress Reports and Billing Statements

The Consultant shall submit a brief progress report monthly outlining the study status, progress, and results to date on or before the last working day of the month regardless of whether or not a billing statement is submitted.

Each billing statement must include a task-by-task report justifying the cost items

contained in the billing statement. The monthly progress report may be used as the justification for the billing statement as long as all cost items covered in the billing statement are addressed in the progress report.

2. Computer Models, Statement of Assumptions, Project Work File

a. If the Consultant writes or uses a computer model or spreadsheet as a part of this project, the Consultant shall submit to the Commission for approval all proposed model names and data formats prior to beginning work on that task. All data shall be submitted to the Commission in written and digital formats with the final report. Digital media shall be labeled by the Consultant to provide sufficient detail to access the information on that media. User manuals shall be submitted by the Consultant to the Commission providing complete documentation of computer models developed under this project. The user manuals shall also contain the source code language and the type of computer equipment necessary to operate the model(s). All computer models, databases, and spreadsheets developed herein (written and digital formats) are due on the same date as the final report.

b. To facilitate the Commission's accurate evaluation of the Consultant's work product, computations, conclusions and recommendations, the Consultant shall:

- * Include in the final report a section describing the assumptions and methodology used by the Consultant in generating the data and conclusions contained in that report.

- * Maintain a project work file containing the materials used in project analysis. This file will be available for review by the Commission and should be organized in such a way as to allow replication of the steps and procedures used by the Consultant to reach the conclusions described in the study.

- * Prepare a project notebook containing a description of the assumptions and methodologies used in the project analysis. The notebook shall be organized in such a way as to allow replication of the steps, calculations, and procedures used by the Consultant to reach the conclusions described in the draft final report. The project notebook shall be submitted with the draft final report.

3. Cost Estimates

The Consultant shall use the following guidelines in calculating Level III cost estimates.

Preparation of Final Designs and Specifications	\$ _____
Permitting and Mitigation	\$ _____
Title of Opinion	\$ _____
Acquisition of Access and Rights of Way	\$ _____
Pre-Construction Costs (Subtotal # 1)	\$ _____
Cost of Project Components	\$ _____
	\$ _____
Total Component Cost (Subtotal #2)	\$ _____
Construction Engineering Cost (Subtotal #2 x 10%)	\$ _____
Components and Engineering Costs (Subtotal #3)	\$ _____
Contingency (Subtotal #3 x 15%)	\$ _____
Total Construction Cost (Subtotal #4)	\$ _____
Total Project Cost (Subtotal #1 + Subtotal #4)	\$ _____

Note: Inflation costs, as determined by the consultant and project manager, will be applied to the Total Project Cost.

4. Final Report

The Consultant shall use the Contract Scope of Services as the outline for the draft and final reports so that Consultant compliance with Contract provisions can be verified. If the final report contains information of an engineering nature, the cover of the final report, all plates, and the executive summary must be stamped and signed by a professional engineer licensed in the State of Wyoming. If the final report contains information of a geologic nature, the cover of the final report, all plates, and the executive summary must be stamped and signed by a professional geologist licensed in the State of Wyoming.

5. Final Report - Digital Format

In addition to the paper submittal described in Section C.4 above, the Consultant shall also provide the final documents and related materials in a digital format. This digital report shall be contained on CD/DVD(s), USB drive(s), or other media as approved by the Office project manager, and shall be in Searchable Image Adobe Acrobat format.

6. Anticipated Project Funding Assistance

The Consultant shall clearly identify project components eligible for Commission funding, both in cost estimates and in project mapping. The Consultant shall verify project component funding eligibility with the Office project manager prior to commencing any economic analysis. Unless otherwise directed by the Office project manager, the Consultant shall assume that projects will be funded with a

67% grant. The remaining 33% shall be acquired from external sources (for municipal projects); or from external sources and/or a loan from the WWDC (for agricultural projects). The Commission loan portion of an agricultural project will be financed at a 4% interest rate with a term to be specified by the Office project manager. If funding is anticipated from another agency, such as the Office of State Lands and Investments or USDA Rural Utility Service (RUS), and if required in the Contract Scope of Services, the Consultant shall prepare cost estimates for system components not eligible for Commission assistance in a format and level of detail acceptable to the potential funding agency.

If required in the Contract Scope of Services, the Consultant shall provide the information necessary to complete applications to RUS, the Office of State Lands and Investments, and any other identified funding sources.

7. Project Access

The Consultant shall be responsible for obtaining access as required for project tasks.

8. Stand-By Time

The Commission will not reimburse the Consultant for stand-by time charges for the Consultant's supervisory personnel.

9. Well Permitting

All wells developed under this program shall list the State of Wyoming, Water Development Office as the permittee. The Consultant shall be responsible for obtaining the permit.

10. Verification Log

After all casing has been installed in the well, the Commission may require that a geophysical log be performed on the well to verify casing placement. A copy of this log shall be included in the final report.

D. SCOPE OF SERVICES:

Task 1. Scoping and Project Coordination Meetings

One (1) scoping meeting shall be held early in the project schedule to discuss the scope of the project as well as obtain input from affected parties. WWDO staff will provide the consultant with existing data and describe what it is and how it can help support this effort. The Consultant should review all GIS standards related to Bear River Data Model Pilot Study (<http://water.geospatialhub.org/pages/wwdc-gis-standards>) and understand the potential applications of the ePermit GIS Conversion Tools to this project. The Consultant

will prepare a presentation and other visual aids as necessary to explain the project approach.

The Consultant will budget for a minimum of two (2) additional project coordination meetings to be held in Cheyenne or Laramie, and two (2) meetings to be held remotely. The meetings will be scheduled at the discretion of the Wyoming Water Development Office (WWDO) project manager depending on developments during the study. If set up by Office project manager, the Consultant shall be prepared to utilize the State's cloud based platform for improved collaboration, document editing, and data sharing.

Deliverables include: materials presented at meetings and meeting summaries.

Task 2. Data Development: Water Structures

The objective of this task is to bring together data in a geospatial database related to the diversion or withdrawal of water for out-of-stream use.

Water Structure Mapping – Diversion structures and wells will be mapped statewide. Data should be developed consistent with the Depth I water system mapping described in the GIS Technical Memorandum developed through the Bear River Data Model Pilot Study 2018. Development of a structures dataset will begin with the State Engineer's Office ePermit database. Significant cleanup of ePermit data will be needed. Only include active records, remove duplicate permits that have been adjudicated, and adjust units to allow for accurate accounting. Existing datasets should be used where appropriate to minimize overall effort and improve the locational information available through ePermit. Stream gauges are part of the water structures dataset. The Consultant shall include streamflow gauging locations from USGS, SEO, and WWDO.

- Mapping Threshold: Surface water diversions greater than 2 cfs permitted capacity, documented springs (non-stock use), and groundwater wells greater than 500 GPM.
- Accuracy: Surface Water diversions snapped to the permitted water source nearest the documented section quarter.
- Attributes: water source, use(s), water right number, status, priority date, supply type, Node ID from WWDC River Basin Plan spreadsheet models.
- Data sources: ePermit, State Engineer's Office (SEO) stream source names, National Hydrography Dataset, River Basin Plan and reservoir models, Green River WYWRAG Mapping, Bear River Pilot Study data.

Task 3. Data Development: Water Conveyances

Conveyance – Water transmission including ditches, canals, pipelines. Active conveyance features should be mapped using aerial photos and supplemented by existing data sources.

- Threshold: all conveyance features included in SEO hydrographer's spot or continuous records data with greater than 2 cfs diversion amounts
- Accuracy: 1:24,000 scale
- Attributes: conveyance name, permitted name, capacity, and primary water source
- Data sources: National Hydrography Dataset, Watershed Studies, Master Plans, Reservoir plans, digital linen plats (<http://seo.wyo.gov/documents-data/linenplats>) SEO field offices, SEO hydrographer reports, digitized spot and continuous flow records (Water Resources Data System).

Task 4. Data Development: Reservoirs

Reservoirs – raw water reservoirs will be mapped and attributed. Place of use for reservoirs with irrigation, industrial, and municipal uses shall be mapped to the quarter-quarter.

- Mapping Threshold: Greater than 100 ac-ft permitted capacity (non-stock use)
- Attributes: use(s), active capacity, permit number(s), monthly contents under wet, normal, dry conditions (where available)
- Data sources: National Hydrography Dataset, SEO hydrographer reports, SEO Flow, River Basin Plans and reservoir models, and digital linen plats (<http://seo.wyo.gov/documents-data/linenplats>).

Task 5. Data Verification and Cross Checking

Following completion of Tasks 2 through 4, the GIS data should be reviewed for consistency with existing information. Existing points of diversion mapping from previous efforts should be utilized to cross check the newly developed information. Consultant should plan on six (6) visits to the SEO Board of Control field offices to verify mapping with paper maps and field office data. Mapping should be adjusted based on this effort.

The Consultant shall develop a brief report documenting the work performed, data limitations, procedures used, and a statistical report on the final data. The report should include descriptions of any links or relationships in the data, describe field values, and sources used to locate and attribute features. Confidence in the data should be described in terms of the amount of permitted water that is captured in the mapping, and the accuracy of features mapped. Report should document miles of conveyance in each basin and steps taken to verify the map data.

Task 6. Draft Report

The Consultant shall submit to the Office five (5) hard copies of a draft report describing the results of all work completed in this study, no later than September 1, 2019. Five (5) CD, DVD, or USB drive copies containing the draft report in a text-recognized Adobe Acrobat (pdf) format will also be provided, along with two (2) CD, DVD, USB drive, or portable hard drive copies of the draft ArcGIS coverages (if applicable). The PDF version

will be completely assembled into one standalone file, and shall be exactly the same version as the hard copy. Each CD, DVD, USB drive, or portable hard drive shall have a hard copy table of contents attached.

The Office project manager shall also provide the Water Resources Data System (WRDS) with both a hard copy and PDF copy of the draft report for comparison purposes. Issues discovered by WRDS during this comparison are the responsibility of the Consultant to correct. Upon completion of the quality-assurance process, WRDS will assign an URL for the online posting of the final report.

Task 7. Report Presentation

The Consultant shall budget for a meeting in Casper or Cheyenne to present the results of this study to the Commission. This presentation is independent of the meetings included under Task 1.

The Consultant shall coordinate with the Office project manager in planning for the presentation to ensure adherence to Office established policies and guidelines.

Task 8. Final Report and Deliverables

After incorporation of the Office's review comments on the draft report, the Consultant shall submit one (1) final report in hard copy along with one (1) CD, DVD or USB drive containing the final report in a text-recognized Adobe Acrobat (pdf) format to WRDS for final comparison purposes. The Consultant shall allow 1 to 2 weeks prior to the final deadline and shall also provide a verbal or electronic confirmation of this transmittal to the Office project manager. The pdf version shall be completely assembled into one stand-alone file and shall be exactly the same version as the hard copies. Any discrepancies discovered by WRDS between the hard copy and electronic copy during this final comparison are the responsibility of the Consultant to correct.

Upon completion of the final quality assurance process by WRDS, the Consultant shall submit all final documents and materials to the Office on or before November 1, 2019. These final documents and materials shall include: 1) Twelve (12) [MIN] hard copies of the final report.

Four (4) [MIN] CD, DVD, or USB drive copies containing the final report in a text-recognized Adobe Acrobat (pdf) format will be provided. The pdf version will be completely assembled into one stand-alone file and shall be exactly the same version as the hard copy. Each CD, DVD, or USB drive shall have a hard copy table of contents attached.

Two (2) [MIN] CD, DVD, or USB drive copies containing the final report, in original formats (Word, Excel, etc.) and in a text-recognized Adobe Acrobat (pdf) format. The pdf version will be completely assembled into one stand-alone file. All electronic files shall be exactly the same version as the hard copies. Each CD, DVD, or USB drive shall have a hard copy table of contents attached.

One (1) project notebook containing the working files used in this project will be provided. The project notebook files shall include descriptions of the assumptions and methodologies used in the project analysis. The notebook shall be organized in such a way as to allow replication of the steps, calculations, and procedures used by the Consultant to reach the conclusions described in the final report. The preferred format for the project notebook is digital, provided on a CD, DVD, or USB drive. Any project notebooks which have been submitted in three-ring notebook format shall have spine labels clearly identifying the project, Consultant and date.

Task 9. Geographic Information System Deliverables

The Consultant shall provide three (3) CD/DVD/Flash Drive/Portable Hard Drive copies of the GIS data. GIS data shall be composed and delivered according to the according to the “WWDO GIS Data Framework Plan” and the accompanying “GIS Standards Technical Memorandum.” A link to these two documents is available from the WWDC home page (<http://wwdc.state.wy.us/index.html>) under “Agency Products.” Consultants are strongly recommended to attend a webinar on GIS project standards hosted by WWDC and WRDS. This webinar will follow consultant selection. The Consultant may also view a prerecorded webinar that is available on the GIS Standards website referenced above.

The Consultant is not expected to apply these standards to the Sponsor’s existing GIS data but rather, ensure that any newly collected or developed datasets follow these standards:

- a. **FEATURE MAPPING.** The Consultant shall obtain a core geodatabase template for feature mapping prior to any GIS mapping. Available at the GIS Standards website, these templates define the organization and naming of “core” GIS data. In conjunction with the Sponsor’s needs, any auxiliary GIS data layers can be integrated into the geodatabase template or managed separately as needed for project completion. Mapped features will be attributed according to the GIS data schema described in the GIS Standards Technical Memorandum. All features modified or created shall include field attributes that indicate contract number, consultant, date modified, and accuracy.
- b. **FORMATS and STANDARDS.** Simplified metadata shall be completed in accordance with standards described in the “GIS Standards Technical Memorandum.” Attribute codes not included as part of the “core” data templates shall be defined in the metadata. GIS data shall be saved in a decimal degree coordinate system with a NAD83 datum, specifically “GCS_North_American_1983,” as indicated in the GIS Standards Technical Memorandum. Project GIS deliverables may also include linked non-spatial data/databases (.accdb, .xlsx), rasters (various formats), photographs (.jpg), maps (.pdf), and file integrated metadata references (.xml, .txt). Data shall be delivered within the Office core geodatabase template. Auxiliary GIS data layers can be provided as .shp files.

- c. MAPS. Project GIS deliverables shall be organized in such a way as to allow easy replication of the maps found in the final project report. The GIS project files should be provided as ESRI ArcGIS (.mxd) files saved with relative path names to data sources.

REQUEST FOR PROPOSAL NO. 18-8 (Cont'd.):

**ATTACHMENT "C"
PRICE PROPOSAL SUMMARY
RIVER BASIN PLANNING - GIS DATA MODEL IMPLEMENTATION, LEVEL I STUDY**

<u>Task</u>	<u>Estimated Cost</u>
1. Scoping and Project Coordination Meetings	\$ _____
2. Data Development: Water Structures	\$ _____
3. Data Development: Water Conveyances	\$ _____
4. Data Development: Reservoirs	\$ _____
5. Data Verification and Cross Checking	\$ _____
6. Draft Report	\$ _____
7. Report Presentation	\$ _____
8. Final Report and Deliverables	\$ _____
9. Geographic Information System Deliverables	\$ _____

PROJECT TOTAL COST
Including Labor, Reimbursable, and Subconsultant Expenses \$ _____

In the spaces below, provide the Labor and Reimbursable Expenses of the prime consultant along with any additional Subconsultant Expenses which are included within the above tasks. These three amounts when added together should equal the project total cost listed above.

Proposed Labor Expenses (prime only)	\$ _____
Proposed Reimbursable Expenses (prime only)	\$ _____
Proposed Subconsultant Expenses	\$ _____

Firm Name and Address: _____

Signature of Firm President or Authorized Agent: _____
 Employer Identification Number: _____