

CITY OF LAS VEGAS
1700 N. GRAND AVE. LAS VEGAS, NEW MEXICO 87701
505-454-1401 FAX: 505-425-7335

Mayor Tonita Gurule-Giron

**CITY OF LAS VEGAS
WORK SESSION CITY COUNCIL AGENDA
August 9, 2017–Wednesday– 5:30 p.m.
City Council Chambers
1700 N. Grand Ave**

(The City Council shall act as the Housing Authority Board of Commissioners on any matters on the Agenda concerning the Housing Department.)

- I. **CALL TO ORDER**
- II. **ROLL CALL**
- III. **PLEDGE OF ALLEGIANCE**
- IV. **MOMENT OF SILENCE**
- V. **APPROVAL OF AGENDA**
- VI. **PUBLIC INPUT (not to exceed 3 minutes per person and persons must sign up at least fifteen (15) minutes prior to meeting.)**
- VII. **DISCUSSION ITEMS**

1. Award request for proposals #2018-2 for engineering services for dams and reservoirs to AECOM and enter into agreement.

Maria Gilvarry, Utilities Director The City of Las Vegas Utilities department went out for sealed proposals for engineering services for dams and reservoirs. The Bradner and Peterson Reservoirs along with the diversion dam must be maintained to ensure water supply for the City of Las Vegas. This RFP will allow for engineering services to ensure maintenance to the dams and reservoirs as needed.

VIII. **EXECUTIVE SESSION**

**THE COUNCIL MAY CONVENE INTO EXECUTIVE SESSION IF
SUBJECT MATTER OF ISSUES ARE EXEMPT FROM THE OPEN**

MEETINGS REQUIREMENT UNDER § (H) OF THE OPEN MEETINGS ACT.

- A. Personnel matters, as permitted by Section 10-15-1 (H) (2) of the New Mexico Open Meetings Act, NMSA 1978.**

- B. Matters subject to the attorney client privilege pertaining to threatened or pending litigation in which the City of Las Vegas is or may become a participant, as permitted by Section 10-15-1 (H) (7) of the New Mexico Open Meetings Act, NMSA 1978.**

- C. Matters pertaining to the discussion of the sale and acquisition of real property, as permitted by Section 10-15-1 (H) (8) of the Open Meetings Act, NMSA 1978.**

IX. ADJOURN

ATTENTION PERSONS WITH DISABILITES: The meeting room and facilities are accessible to persons with mobility disabilities. If you plan to attend the meeting and will need an auxiliary aid or service, please contact the City Clerk's Office prior to the meeting so that arrangements may be made.

ATTENTION PERSONS ATTENDING COUNCIL MEETING: By entering the City Chambers, you consent to photography, audio recording, video recording and its/their use for inclusion on the City of Las Vegas Web-site, and to be televised on Comcast.

NOTE: A final agenda will be posted 72 hours prior to the meeting. Copies of the Agenda may be obtained from City Hall, Office of the City Clerk, 1700 N. Grand Avenue, Las Vegas, N.M 87701

Work Session

CITY COUNCIL MEETING AGENDA REQUEST

DATE: 07/28/17

DEPT: Utilities Dept.

MEETING DATE: 08/09/17

DISCUSSION ITEM/TOPIC: Award request for proposals #2018-2 for engineering services for dams and reservoirs to AECOM and enter into agreement.

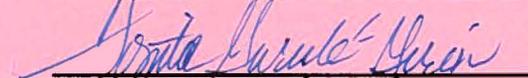
BACKGROUND/RATIONALE: The City of Las Vegas Utilities department went out for sealed proposals for engineering services for dams and reservoirs. The Bradner and Peterson Reservoirs along with the Diversion dam must be maintained to ensure water supply for the City of Las Vegas. This RFP will allow for engineering services to ensure maintenance to the dams and reservoirs as needed.

Advertised: July 21, 2017 – Albuquerque Journal; Las Vegas OPTIC and City website
Proposal Opening: August 1, 2017
Number of Proposers: 2 – AECOM & Bohannon Huston
Funding Source: Legislative Appropriations - \$8,000,000
Budget Line Item: 646-0000-650-8730

THIS REQUEST FORM MUST BE SUBMITTED TO THE CITY CLERK'S OFFICE NO LATER THAN 5:00 P.M. ON FRIDAY ONE AND A HALF WEEKS PRIOR TO THE CITY COUNCIL MEETING.


SUBMITTER'S SIGNATURE

REVIEWED AND APPROVED BY:


TONITA GURULÉ-GIRON
MAYOR

RICHARD TRUJILLO
CITY MANAGER

ANN MARIE GALLEGOS
FINANCE DIRECTOR
(PROCUREMENT)

PURCHASING AGENT
(FOR BID/RFP AWARD)

CORINNA LASZLO-HENRY
CITY ATTORNEY
(ALL CONTRACTS MUST BE REVIEWED)

REQUEST FOR PROPOSALS

The City of Las Vegas, New Mexico will open Sealed Qualifications/Proposals at 2:00 am/pm, Aug 1, 2017, at the City Council Chambers, 1700 North Grand Avenue, Las Vegas, New Mexico, or other designated area at the City Offices; ON THE FOLLOWING: **ENGINEERING SERVICES FOR DAMS AND RESERVOIRS.**

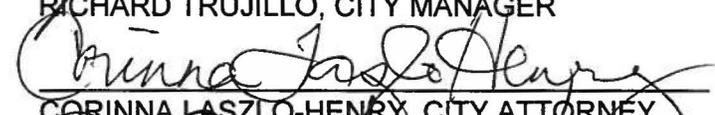
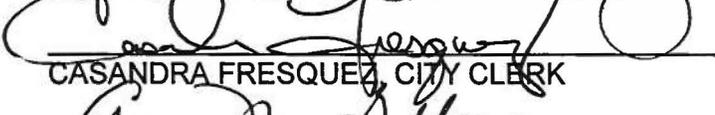
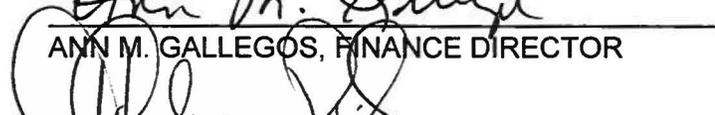
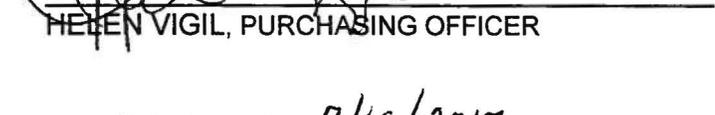
Proposal Forms and Specifications may be obtained from the following location:

1700 N GRAND AVE
LAS VEGAS, NM 87701

Mailed proposals should be addressed to the City Clerk, 1700 N. Grand Ave., Las Vegas, New Mexico 87701; with the envelope marked: **ENGINEERING SERVICES FOR DAMS AND RESERVOIRS**, Opening No. 2018-2 ; on the lower left-hand corner of the submitted envelope. It shall be the responsibility of the Offeror to see that their proposal is delivered to the **City Clerk** by the date and time set for the proposal request. If the mail or delivery of proposal request is delayed beyond the opening date and time, proposal thus delayed will not be considered. Proposals will be reviewed at a later date with possible negotiations to follow.

The City of Las Vegas reserves the right to reject any/or all proposals submitted.

CITY OF LAS VEGAS,

RICHARD TRUJILLO, CITY MANAGER

CORINNA LASZLO-HENRY, CITY ATTORNEY

CASANDRA FRESQUEZ, CITY CLERK

ANN M. GALLEGOS, FINANCE DIRECTOR

HELEN VIGIL, PURCHASING OFFICER

Opening No. 2018-02 Date Issued: 7/19/2017

Published: LAS VEGAS OPTIC 7/21/ 2017
ALBUQUERQUE JOURNAL 7/21/ 2017
www.lasvegasnm.gov 7/21/

OFFEROR INFORMATION

OFFEROR: _____

AUTHORIZED AGENT: _____

ADDRESS: _____

TELEPHONE NUMBER (_____) _____

FAX NUMBER (_____) _____

DELIVERY: _____

STATE PURCHASING RESIDENT CERTIFICATION NO.: _____

NEW MEXICO CONTRACTORS LICENSE NO.: _____

SERVICE (S): ENGINEERING SERVICES FOR DAMS AND RESERVOIRS.

THE CITY OF LAS VEGAS RESERVES THE RIGHT REJECT ANY OR ALL PROPOSALS AND TO WAIVE ANY TECHNICAL IRREGULARITY IN THE FORM.

AFFIDAVIT FOR FILING WITH COMPETITIVE PROPOSAL

STATE OF _____ }

} ss

COUNTY OF _____ }

I, _____ of lawful age, being of first duly sworn in oath, say that am the agent authorized by the offerors to submit the attached proposal. Affiant further states that the offeror has not been a party to any collusion among offerors in restraint of freedom of competition by agreement to a fixed price or to refrain from submitting a proposal; or with any city official or employee as to the quantity, quality or price in the prospective contract, or any other terms of said prospective contract; or in any discussion between offerors with any City official concerning an exchange of money or any other thing of value for special consideration in the letting of a contract.

Signature

Subscribed and sworn to before me, this _____ day of _____, 20_____.

(SEAL)

Notary Public Signature
My Commission Expires: _____

AWARDED PROPOSAL

Awarding of proposal shall be made to the responsible offeror whose proposal best meets the specification. The City of Las Vegas (City) reserves the right to reject any or all proposals submitted.

TIMETABLE

Proposal pursuant to this request must be received at the City Clerk's Office at 1700 North Grand Avenue, Las Vegas, New Mexico, on or before: Aug 1, 2017; 2:00 am/pm at which time all proposal received will be opened. The opening will occur at the City Council Chambers or other designated area at the City Offices. Awarding of proposal is projected for: _____, 2017. The successful offeror will be notified by mail.

ENVELOPES

Sealed proposal envelopes shall be clearly marked on the lower left-hand corner, identified by the Proposal Name and Opening Number. Failure to comply with this requirement may result in the rejection of the submitted proposal.

BRIBERY AND KICKBACK

The Procurement Code of New Mexico (Section 13-1-28 through 13-1-199 N.M.S.A. 1978) imposes a third degree felony penalty for bribery of a public official or public employee. In addition, the New Mexico Criminal Statutes (Section 30-4-1, N.M.S.A. 1978) states that it is a third degree felony to commit the offense of demanding or receiving a bribe by a public official or public employee. (Section 30-24-2 N.M.S.A. 1978) it is a fourth degree felony to commit the offense of soliciting or receiving illegal kickbacks. In addition (Section 30-41-1 through 30-41-3, N.M.S.A. 1978) states that it is a fourth degree felony to commit the offense of offering or paying illegal kickbacks.

RESPONSIBILITY OF OFFEROR

At all times it shall be the responsibility of the offeror to see that their proposal is delivered to the City Clerk by the Date and Time scheduled for the opening. If the mail or delivery of said proposal is delayed beyond the scheduled opening date and time set, proposal thus delayed and will not be considered.

NON-COLLUSION

In signing of their proposal and affidavit the offeror certifies that he/she has not, either directly or indirectly entered into action of restraint of free competition in connection with the submitted proposal.

CLARIFICATION OF PROPOSAL

Offeror requiring clarification or interpretation of the proposal specifications shall make a written request to the Department involved in the proposal request at least five (5) days prior to the scheduled proposal opening date; with a copy forwarded to the Finance Department. Any interpretations, corrections, or changes (not part of the negotiation stage) of said proposal specifications shall be made by "ADDENDUM" only; including any Opening Dates or Time Change. Interpretations, corrections, or changes of said proposal made in any other manner (before opening and negotiation stage) will not be binding and offeror shall not rely upon such interpretations, corrections, and changes.

MODIFICATION OR WITHDRAWAL OF PROPOSAL

A proposal may not be withdrawn or cancelled by the offeror following the scheduled opening date and time; the offeror does so agree in submitting their proposal. Prior to the scheduled time and date of opening, proposals submitted early may be withdrawn but may not be re-submitted.

APPLICATION OF PREFERENCE

Pursuant to (Section 13-1-21 and 13-1-22, N.M.S.A. 1978), any New Mexico resident business or resident manufacturer who wishes to receive the benefit of an "Application of Preference" must provide their Certificate Number (issued by N.M. State Purchasing); with their proposal on the "OFFEROR INFORMATION/AFFIDAVIT" form.

FEDERAL TAX IDENTIFICATION NUMBER

Pursuant to IRS requirements, offerors shall provide their Federal Tax ID Number if offeror is incorporated. If offeror is a sole proprietorship or partnership, then shall provide their Social Security Number.

FEDERAL TAX ID NUMBER: _____

SOCIAL SECURITY NUMBER: _____

NEW MEXICO TAX IDENTIFICATION NUMBER

Payment may be withheld under; (Section 7-10-5, N.M.S.A. 1978) if you are subject to New Mexico Gross Receipts Tax and have not registered for New Mexico (CRS) Tax Identification Number. Contact the New Mexico Taxation & Revenue Department at (505) 827-0700 for registering instructions.

SPECIAL NOTICE

Proposals will be opened and all submitted copies will be checked for accuracy of Department's specific amount of copies requested. Any price or other factors of the submitted proposals will not be read out loud to anyone in attendance at the proposal opening. All factors of the submitted proposals are not public record to other offerors or interested parties before the negotiation or awarding process.

The department involved in the proposal request will evaluate all proposals submitted according to the evaluation criteria indicated in the proposal specifications.

NEGOTIATION

Pursuant to the City of Las Vegas Purchasing Rules and Regulations (section 6.7); discussions or negotiations may be conducted with a responsible offeror who submits an acceptable or potentially acceptable proposal. Negotiations of price will be done after all evaluation criteria have been met.

CONTRACT

When the City issues a purchase order in response to an awarded proposal, a binding contract is created (unless a specific contract has been created).

TAXES:

Bidder must pay all applicable taxes.

NOTE:

If bidder is from outside the City of Las Vegas, the successful bidder must pay Gross Receipts Tax in the City of Las Vegas.

CAMPAIGN CONTRIBUTION DISCLOSURE FORM

Pursuant to Chapter 81, Laws of 2006, any prospective contractor seeking to enter into a contract with any state agency or local public body must file this form with that state agency or local public body. The prospective contractor must disclose whether they, a family member or a representative of the prospective contractor has made a campaign contribution to an applicable public official of the state or a local public body during the two years prior to the date on which the contractor submits a proposal or, in the case of a sole source or small purchase contract, the two years prior to the date the contractor signs the contract, if the aggregate total of contributions given by the prospective contractor, a family member or a representative of the prospective contractor to the public official exceeds two hundred and fifty dollars (\$250) over the two year period.

THIS FORM MUST BE FILED BY ANY PROSPECTIVE CONTRACTOR WHETHER OR NOT THEY, THEIR FAMILY MEMBER, OR THEIR REPRESENTATIVE HAS MADE ANY CONTRIBUTIONS SUBJECT TO DISCLOSURE.

The following definitions apply:

"Applicable public official" means a person elected to an office or a person appointed to complete a term of an elected office, who has the authority to award or influence the award of the contract for which the prospective contractor is submitting a competitive sealed proposal or who has the authority to negotiate a sole source or small purchase contract that may be awarded without submission of a sealed competitive proposal.

"Campaign Contribution" means a gift, subscription, loan, advance or deposit of money or other thing of value, including the estimated value of an in-kind contribution, that is made to or received by an applicable public official or any person authorized to raise, collect or expend contributions on that official's behalf for the purpose of electing the official to either statewide or local office. "Campaign Contribution" includes the payment of a debt incurred in an election campaign, but does not include the value of services provided without compensation or unreimbursed travel or other personal expenses of individuals who volunteer a portion or all of their time on behalf of a candidate or political committee, nor does it include the administrative or solicitation expenses of a political committee that are paid by an organization that sponsors the committee.

"Contract" means any agreement for the procurement of items of tangible personal property, services, professional services, or construction.

"Family member" means spouse, father, mother, child, father-in-law, mother-in-law, daughter-in-law or son-in-law.

"Pendency of the procurement process" means the time period commencing with the public notice of the request for proposals and ending with the award of the contract or the cancellation of the request for proposals.

"Person" means any corporation, partnership, individual, joint venture, association or any other private legal entity.

"Prospective contractor" means a person who is subject to the competitive sealed

proposal process set forth in the Procurement Code or is not required to submit a competitive sealed proposal because that person qualifies for a sole source or a small purchase contract.

"Representative of a prospective contractor" means an officer or director of a corporation, a member or manager of a limited liability corporation, a partner of a partnership or a trustee of a trust of the prospective contractor.

DISCLOSURE OF CONTRIBUTIONS:

Contribution Made By: _____

Relation to Prospective Contractor: _____

Name of Applicable Public Official: _____

Date Contribution(s) Made: _____

Amount(s) of Contribution(s) _____

Nature of Contribution(s) _____

Purpose of Contribution(s) _____

(The above fields are unlimited in size) _____

Signature

Date

Title (position)

-OR-

NO CONTRIBUTIONS IN THE AGGREGATE TOTAL OVER TWO HUNDRED FIFTY DOLLARS (\$250) WERE MADE to an applicable public official by me, a family member or representative.

Signature

Date

Title (Position)

REQUEST FOR PROPOSALS FOR ENGINEERING SERVICES FOR DAMS AND RESERVOIRS.

The City of Las Vegas, New Mexico is requesting proposals for Professional Engineering Services for City of Las Vegas defined in the scope of work.

1. SCOPE OF WORK

The Offeror shall perform Professional Engineering Services on an as needed basis, as hereafter stated, for customary and incidental services for the City of Las Vegas Dams and Reservoirs. The agreement term will be for one year with the option for renewal up to four (4) years. The contract, including renewals and amendments thereof, may not exceed a total duration of four (4) years. The contract will begin upon final approval by the City Manager.

The duties of the offeror shall include the following services:

- a. Provide day to day consultation as requested by the City Utility Director or designee. Attendance at necessary staff and/or Council meetings may be required.
- b. Facilitate meetings with City staff as needed to develop the planning of projects as requested by the City Utility Director or designee.
- c. Complete architectural, structural, mechanical, electrical, plumbing, and civil design services.
- d. Attend coordination meetings with City staff and any pertinent external agencies (County, State and Federal) as required to determine and gain approvals from all pertinent entities.
- e. Prepare and submit construction documents, permit applications, cost estimates, specifications and schedules for review and approval.
- f. Provide technical assistance completing environmental reviews.
- g. Provide assistance completing applications and obtain funding as needed.
- h. Provide construction observation and inspection on various projects as requested by the City Utility Director or designee.
- i. Provide technical assistance on various City projects being performed in-house as required and directed.
- j. Provide technical information concerning specific projects to designated professional engineers upon request by the City of Las Vegas, and request technical information from specific engineers when authorized to do so by the City of Las Vegas.
- k. Provide construction phase engineering services.
- l. Provide Review of, assessment and approval of submittals and invoices.
- m. Additional services as may be specifically requested by the City of Las Vegas.

City of Las Vegas Dams and Reservoirs Rehabilitation and Construction (Bradner & Peterson):

Task 1. Plan and Design

Task 2. Environmental Assessment & Permitting

Task 3. Bid Phase Services

Task 4. Construction Phase Engineering Services

Task 5. Construction Observation

2. CRITERIA FOR ACCEPTANCE AND EVALUATION OF PROPOSALS

- 2.1. Content and Format of Proposal: Proposals should provide information that addresses the ranking criteria listed hereinafter. Information should be provided to demonstrate understanding of the scope of services, experience in related projects, personnel and equipment available to perform work, technical approach to the project and references from other clients.

The format for proposals shall be a maximum of twenty (20) pages including, but not limited to, title page, contribution disclosure form, offeror information and index to include the front and back cover. Proposals shall be printed on one side only, 8 ½" x 11", and bound on the left margin. A transmittal letter, if any, will be included in the twenty (20) page limit. No other material is to be included.

- 2.2 Submittal of Proposals: Five (5) copies of proposals must be delivered to the City Clerk, City of Las Vegas, 1700 North Grand Avenue, Las Vegas, New Mexico 87701 no later than _____ am/pm on _____, 2017. Sealed proposal envelopes shall be clearly marked **“ENGINEERING SERVICES FOR DAMS AND RESERVOIRS”** on the outside of the envelope; this information shall be placed on the lower left-hand corner of the envelope. Failure to comply with this requirement shall result in the rejection of the proposals.
- 2.3 Ranking Criteria: The City of Las Vegas will use a technical advisory committee made up of City personnel and/or City Consultants to evaluate each proposal submitted. All proposals shall be reviewed for compliance with the mandatory requirements as stipulated in the Request for Proposals. Proposals found not to be in compliance will be rejected from further consideration. Proposals which are not rejected will then be evaluated based upon the following weighted values.

Proposals should address each of the following criteria. Each proposal may be awarded a percentage of points up to the amount listed in parentheses.

- i. Specialized Design and Technical Competence (25%) – Offeror’s personal experience.** The Offeror should be able to briefly address specific examples of related projects.
- ii. Capacity and Capability (25%) – Offeror’s willingness, capacity and capability to perform assigned duties and tasks on short notice and in a timely manner, as well as work with the City and public while making presentations before committees, City Council and any other entities as needed.**
- iii. Past Record of Performance (20%) – Offeror should provide a list of references with names and phone numbers.**
- iv. Familiarity of the City of Las Vegas Utility and Infrastructure Systems (15%)– Offeror’s familiarity with the area the project is located.**
- v. Current volume of work with the Contracting Agency that is less than 75% complete (5%) – The volume of work previously done for the entity requesting proposals which is not seventy-five percent complete with respect to professional design services [through bidding phase], with the objective of effecting an equitable distribution of contracts among qualified businesses and of assuring the interest of the public in having available a substantial number of qualified businesses is protected; however, that the principal of selection of the most highly qualified business is not violated.**

Firm should indicate the volume of work they currently have underway with the Contracting Agency that is less than 75% complete. The purpose of this criteria is to help distribute projects among qualified firms. An *example* of how points can be assigned is provided below:

Value of work not yet completed on projects that are not 75% complete	Points to be allowed for this item
None	5
\$1 to \$25,000	4
\$25,001 to \$50,000	3
\$50,001 to \$75,000	2
\$75,001 to \$100,000	1
Above \$100,001	0

- vi. **Other (5%)** – Offeror’s ability to conduct public meetings and presentations.
- vii. **Proximity (5%)** – Offeror’s proximity to the City of Las Vegas.
- viii. **Preference (5 to 10%)** - Business or Veteran per NMSA 13-1-21

*Note: Price cannot be a factor

3. COST OF PREPARING AND SUBMITTING PROPOSALS

The City will not pay for any costs associated with the preparation or submission of proposals.

4. ENVELOPES

Sealed proposal envelopes shall be clearly marked “ENGINEERING SERVICES FOR DAMS AND RESERVOIRS”, on the outside of the envelope. This information shall be placed on the lower left-hand corner of the envelope. Failure to comply with this requirement shall result in the rejection of the submitted proposal.

5. AWARD OF CONTRACT

The award shall be made to the responsible offeror and/or offertory whose proposal is the most advantageous to the City of Las Vegas, taking into consideration the evaluation factors set forth in this Request for Proposals. The proposal will be ranked by a committee. It is anticipated that ranking will be completed by August 7, 2017. After initial ranking of proposals, at the City’s sole option, the City may decide to interview the top two (2) or three (3) ranked offertory proposals to develop final rankings or may consider the rankings based on the proposals as being final. The City reserves the right to negotiate with multiple offerors and award multiple contracts.

6. BRIBERY AND KICKBACKS

New Mexico procurement law requires the parties to the contract be made aware that pursuant to NMSA 1978, Section 30-24-1, it is a third degree felony to commit the offense of bribery of a public officer or public employee; pursuant to NMSA 1978, Section 30-24-2, it is a third degree felony to commit the offense of demanding or receiving a bribe by any public employee; pursuant to NMSA 1978, Section 30-41-1, it is a fourth degree felony to commit the offense of soliciting or receiving illegal kickbacks; and, pursuant to NMSA 1978, Section 30-41-2, it is a fourth degree felony to commit the offense of offering of paying illegal kickbacks.

7. RESPONSIBILITY OF OFFEROR

7.1 BONDS

- a. The successful offeror will be required to furnish a Performance Bond, in an amount equal to \$100,000 and a labor and Materials Payment Bond in an equal amount, such bonds to be executed in four (4) original Counterparts by a Corporate Surety authorized to do business in the State of New Mexico, and acceptable to the Owner. The Bonds must be executed on forms contained in these Contract Documents. The form of Agreement with the successful Offeror, as Contractor, will be required to execute also included herewith.

7.2 INSURANCE CERTIFICATE

- a. The Offeror must at all times hold General Liability insurance of at least \$1,000,000.00 per occurrence. The successful Offeror will be required to furnish Proof of Compliance with this insurance requirement to the City upon execution of the Contract.

8. INSTRUCTIONS TO OFFEROR

8.1. REQUEST FOR PROPOSAL DOCUMENTS

8.1.1 Copies of Request for Proposals

- a. A complete set of the Request for Proposals may be obtained from the Contracting Agency.
- b. A complete set of the Request for Proposals shall be used in preparing proposals; the Contracting Agency assumes no responsibility for errors or misinterpretations resulting from the use of an incomplete set of the Request for Proposals.
- c. The Contracting Agency in making copies of Request for Proposals available on the above terms, does so only for the purpose of obtaining proposals on the described project and does not confer a license or grant for any other use.
- d. A copy of the Request for Proposals shall be made available for public inspection and shall be posted at the administration building of the Contracting Agency.

8.1.2 Interpretations

- a. All questions about the meaning or intent of the Request for Proposals shall be submitted to the Procurement Manager of the Contracting Agency, in writing. Replies will be issued by Addenda mailed or delivered to all parties recorded by the Contracting Agency as having received the Request for Proposals. Questions received less than five (5) days prior to the date for opening of proposals will not be answered. Only questions answered by formal written addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.
- b. Offerors should promptly notify the Contracting Agency of any ambiguity, inconsistency, or error, which they may discover upon examination of the Request for Proposals.

8.1.3 Addenda

- a. Addenda will be mailed by certified mail with return receipt requested, by facsimile or hand delivered to all who are known by the Contracting Agency to have received a complete set of Request for Proposals.
- b. Copies of the addenda will be made available for inspection wherever Requests for Proposals are on file for that purpose.
- c. No addenda will be issued later than five (5) days prior to the date for the receipt of Proposals, except an Addendum withdrawing the Request for Proposals or one which includes postponement of the date for receipt of Proposals.
- d. Each Offeror shall ascertain, prior to submitting the Proposal, that the Offeror has received all Addenda issued and shall acknowledge their receipt in the Proposal transmittal letter.

8.2 PROPOSAL SUBMITTAL PROCEDURES

8.2.1 Format and Section Requirements of Proposals

- a. Offerors shall provide five (5) copies of their proposal to the location specified on the cover page on or before the closing date and time for receipt of proposals.
- b. All proposals must be typewritten on standard 8 ½" x 11" paper and bound on the left hand margin.
- c. A maximum of twenty (20) pages, including title, index, etc., including front and back covers.
- d. The proposal must be organized in the following format and must contain, as a minimum, all listed items in the sequence indicated:
 1. Offeror's Identification
 - i. Notarized affidavit that states name and address of your organization of office and nature of organization (individual, partnership or corporation, private or public, profit or non-profit). Include certificate number for preferences. i.e. Resident, Business or Veteran. Subcontractors, if any, must be listed with license numbers. Describe individual staff and subcontractor's responsibilities with line of authority and interface with City staff. Include the name and telephone number of person(s) authorized for preparation and execution of the contract. The City has the authority to reject any or all Subcontractors. Respond to this section as Section A of Offeror's proposal.
 2. Personnel Experience
 - i. Describe the experience and qualifications of company principles, supervisors and other employees who will be actively engaged in the work required under the contract, including experience of subcontractors. The experience qualifications must reference the servicing of the City of Las Vegas Utilities System. Respond to this section as Section B of Offeror's proposal.
 3. Licenses (if applicable)
 - i. The Offeror shall show that he has a New Mexico general contractor's license and/or any other licenses required by law to perform the work required by this contract. All such licenses shall be held by the offeror or his subcontractors at the time the proposal is submitted. Respond to this section as Section C in Offeror's proposal.
 4. Contractors Bonds (if applicable)
 - i. Successful offeror will be required to furnish a performance bond.
 5. Experience in Engineering/Architectural Services
 - i. The Offeror shall demonstrate at least five (5) years of experience. Indicate name, address and phone number of past customer and individual references who can be contacted regarding the work. Respond to this section as Section E in Offeror's proposal.
 6. Experiences as an Engineering/Architectural Consultant
 - i. The Offeror shall demonstrate at least five (5) years of proven performance working as an engineering/architectural consultant. Respond to this section as Section F in Offeror's proposal.
 7. Documentation
 - i. The Offeror shall provide documentation of education, certifications and qualifications. Respond to this section as Section G in the Offeror's proposal.
 8. Cost
 - i. The Offeror shall provide cost breakdown for lodging, mileage and other miscellaneous expenses. Respond to this section as Section H in the Offeror's proposal.
 9. Financial

- i. The Offeror shall provide a letter from a financial institution regarding the Offeror's credit rating. Respond to this sections as Section I in the Offeror's proposal.

10. Additional Information

- i. Describe any expectations and/or clarifications to this Request for Proposal. Also include any additional information you believe to be pertinent to the proposal but not requested elsewhere. Respond to this section as Section J in Offeror's proposal.

11. Campaign Contributions Disclosure Form

- i. Fill out and attach the Campaign Contribution Disclosure Form. Respond to this section as Section k in Offeror's proposal.
- e. Any proposals that do not adhere to this format, and which does not address each specification and requirement within the RFP may be deemed non-responsive and rejected on that basis.
- f. Offerors may request in writing nondisclosure of confidential data. Such data should accompany the proposal and should be readily separable from the proposal in order to facilitate eventual public inspection of the non-confidential portion of the proposal. A request that clearly states that the entire proposal must be kept confidential will not be acceptable. Only matters, which are clearly confidential in nature, will be considered.
- g. Any cost incurred by the Offeror for preparation, transmittal, presentation of any proposal or material submitted in response to this RFP shall be the sole responsibility of the Offeror.

8.2.2 SUBCONSULTANTS

- a. The Offeror shall list and state the qualifications for each sub-consultant the Offeror proposes to use for all sub-contracted work.
- b. The Offeror is specifically advised that any person or other party to whom it is proposed to award a sub-contract under this proposal, must be acceptable by the Contracting Agency after verification of eligibility status, including but not limited to suspension or debarment of the Contracting Agency.

8.2.3 PREQUALIFICATION PROCESS

- a. A business may be pre-qualified by the Purchasing Agent as an Offeror for particular types of service. Mailing lists of potential Offerors shall include but shall not be limited to such prequalified businesses (§13-1-134 NMSA 1978). For purposes of this RFP, if prequalification is utilized, special instructions will be attached as an exhibit to this RFP.

8.2.4 DEBARRED OR SUSPENDED CONTRACTOR

- a. A business (contractor, subcontractor or supplier) that has either been debarred or suspended according to the requirements of §13-1-177 through §13-1-180, and §13-3-11 through §13-4-17 NMSA 1978, as amended, shall not be permitted to do business with the Contracting Agency and shall not be considered for award of the contract during the period for which it is debarred or suspended with the Contracting Agency.

8.2.5 REJECTION OF SUBMITTED PROPOSALS

- a. Oral, telephonic or electronic proposals are invalid and will not receive consideration. Rejected proposals shall be returned to the Offeror unopened. Failure to meet the following submittal of proposal requires shall result in a rejection of a proposal:
 1. Proposals shall be submitted at the time and place indicated in the Notice of Request for Proposals and shall be included in a sealed envelope marked with the project title and the

name and address of the Offeror and accompanied by the documents outlined in the Request for Proposal.

2. The envelope shall be addressed to the Purchasing Agent/Procurement Officer of the Contracting Agency. The following information shall be provided on the front lower left corner of the Bid envelope: Project Title, Request for Proposals No., date of opening and time of opening. The sealed envelope shall have the notation "SEALED PROPOSAL ENCLOSED" on the face thereof.
3. At all times, Offeror shall assume full responsibility for timely delivery of proposals at the Purchasing Agent's office, including those proposals submitted by mail. Hand-delivered proposals shall be submitted to the Purchasing Agent or the Purchasing Agent's Designee and will be clocked in/time stamped at the time received, which must be prior to the time specified.

8.2.6 CORRECTION OR WITHDRAWAL OF PROPOSALS

- a. A proposal containing a mistake discovered before proposal opening may be modified or withdrawn by an Offeror prior to the time set for proposal opening by delivering written or telegraphic notice to the location designated in the Request for Proposals as the place where Proposals are to be received.
- b. Withdrawn proposals may be resubmitted up to the time and date designated for the receipt of proposals, provided that they are fully in conformance for the Request for Proposals.

8.2.7 NOTICE OF CONTRACT REQUIREMENTS BINDING ON OFFEROR

- a. In submitting this proposal, the offeror represents that the offeror has familiarized him/herself with the nature and extent of the Request for Proposals dealing with the federal, state and local requirements, which are a part of these Requests for Proposals.
- b. Laws and Regulations: The offeror's attention is directed to all applicable federal and state laws, local ordinances and regulations and the rules and regulations of all authorities having jurisdiction over the services for the project.

8.2.8 REJECTION OR CANCELLATION OF PROPOSALS

- a. This Request for Proposals may be canceled, or any or all proposals may be rejected in whole or in part, when it is in the best interest of the Contracting Agency. A determination containing the reasons therefore shall be made part of the project file (§13-1-131 NMSA 1978).

9. CONSIDERATION OF PROPOSALS

9.1 RECEIPT, OPENING AND RECORDING

- a. Proposals received on time will be opened in the presence of one or more witnesses and the name of the Offeror and address will be read aloud.
- b. After the date established for the receipt of proposals, a register of proposals will be prepared which includes the name of each Offeror, a description sufficient to identify the service, the names and addresses of the required witnesses and such other information as may be specified by the purchasing agent.
- c. The names of all businesses submitting proposals and the names of all businesses, if any, selected for an interview shall be public information. After an award has been made, final ranking and evaluation scores for all proposals shall become public information (§13-1-120 NMSA 1978). The contents of any proposal shall not be disclosed so as to be available to competing Offerors during the negotiation process (§13-1-116 NMSA 1978).

9.2 PROPOSAL EVALUATION

- a. Proposals shall be evaluated on the basis demonstrated competence and qualifications for the type of service required, and shall be based on the evaluation factors set forth in this RFP. For the purpose of conducting discussions, proposals may initially be classified as:
 1. Acceptable
 2. Potentially acceptable, that is, reasonably assured of being made acceptable
 3. Unacceptable (Offerors whose proposals are unacceptable shall be notified promptly)
- b. The Contracting Agency shall have the right to waive technical irregularities in the form of the proposal of the Offeror, which do not alter the quality of the service (§13-1-132 NMSA 1978).
- c. If an offeror who otherwise would have been awarded a contract is found not to be a responsible offeror; a determination that the offeror is not a responsible offeror, setting forth the basis of the finding shall be prepared by the Purchasing Agent/Procurement Manager. The unreasonable failure of the offeror to promptly supply information in the connection with any inquiry with respect to the responsibility is grounds for a determination that the offeror is not a responsible offeror (§13-1-133 NMSA 1978). Businesses, which have not been selected, shall be notified in writing within twenty-one (21) days after an award is made (§13-1-12 NMSA 1978).
- d. Selection Process (§13-1-120 NMSA 1978):
 1. An evaluation committee composed of representatives selected by the Contracting Agency will perform an evaluation of proposals. The committee shall evaluate statements of qualifications and performance data submitted in regard to the particular project and may conduct interviews with and may require public presentations by all businesses applying for selection regarding their qualifications, their approach to the project and their ability to furnish the required services.
 2. If fewer than three (3) businesses have submitted a statement of qualifications for a particular project, the committee may:
 - i. Rank in order of qualifications and submit to the local governing body for award, those businesses which have submitted a statement of qualifications; or
 - ii. Recommend termination of the selection process and sending out new notices of the proposed procurement pursuant to §13-1-104 NMSA 1978.

9.3 NEGOTIATIONS (§13-1-122 NMSA 1978)

- a. The Contracting Agency's designee shall negotiate a contract with the highest qualified business for the services contemplated under this RFP at the compensation determined in writing to be fair and reasonable. In making this decision, the designee shall take into account the estimated value of the services to be rendered and the scope, complexity and professional nature of the services.
- b. Should the designee be unable to negotiate a satisfactory contract with the business considered to be the most qualified at the price determined to be fair and reasonable, negotiations with that business shall be formally terminated. The designee shall then undertake negotiations with the second most qualified business. Failing accord with the second most qualified business, the designee shall formally terminate negotiations with that business.
- c. The designee shall then undertake negotiations with the third most qualified business.
- d. Should the designee be unable to negotiate a contract with any of the businesses selected by the committee, additional businesses shall be ranked in order of their qualifications and the designee shall continue negotiations in accordance with this section until a contract is signed with a qualified business or the procurement process is terminated and a new Request for Proposals is initiated.
- e. The Contracting Agency shall publically announce the business(es) selected for award.

9.4 NOTICE OF AWARD

- a. After award by the local governing body, a written notice of award shall be issued by the Contracting Agency after review and approval of the Proposal and related documents by the Contracting Agency with reasonable promptness (§13-1-100 and §13-1-108 NMSA 1978).

10. POST PROPOSAL INFORMATION

10.1 PROTESTS

- a. Any Offeror who is aggrieved in connection with a solicitation or award of an Agreement may protest to the Contracting Agency's Purchasing Agent and the City Clerk, in accordance with the requirements of the Contracting Agency's Procurement Regulations and the State of New Mexico Procurement Code. The protest should be made in writing within twenty-four (24) hours after the facts or occurrences giving rise thereto (§13-1-172 NMSA 1978).
- b. In the event of a timely protest under this section, the Purchasing Agent and the Contracting Agency shall not proceed further with the procurement unless the Purchasing Agent makes a determination that the award of Agreement is necessary to protect substantial interests of the Contracting Agency (§13-1-173 NMSA 1978).
- c. The Purchasing Agent or the Purchasing Agent's designee shall have the authority to take any action reasonably necessary to resolve a protest of an aggrieved Offeror concerning procurement. This authority shall be exercised in accordance with adopted regulations, but shall not include the authority to award money damages or attorney's fees (§13-1-174 NMSA 1978).
- d. The Purchasing Agent or the Purchasing Agent's designee shall promptly issue a determination relating to the protest. The determination shall:
 1. State the reasons for the action taken; and
 2. Inform the protestant of the right to judicial review of the determination pursuant to §13-1-183 NMSA 1978
- e. A copy of the determination issued under §13-1-175 NMSA 1978 shall immediately be mailed to the protestant and other Offerors involved in the procurement (§13-1-176 NMSA 1978).

10.2 EXECUTION AND APPROVAL OF AGREEMENT

- a. The Agreement shall be signed by the successful Offeror and returned within an agreed time frame after the date of the Notice of Award. No Agreement shall be effective until it has been fully executed by all of the parties thereto.

10.3 NOTICE TO PROCEED

- a. The Contracting Agency will issue a written Notice to Proceed to the Consultant.

10.4 OFFEROR'S QUALIFICATION STATEMENT

- a. Offeror to whom award of an Agreement is under consideration shall submit, upon request, information and data to prove that their financial resource, production or service facilities, personnel and service reputation and experience are adequate to make satisfactory delivery of the service described in the Request for Proposals (§13-1-82 NMSA 1978).

11. EXECUTION OF CONTRACT

The Contract, Performance Bond and Labor and Material Payment Bond shall be executed in four (4) original counter parts. The forms and Contract Documents will be as herein included and will be furnished by the Owner. Distribution of the executed forms will be as follows:

1. Contractor
2. Owner
3. Funding Agency
4. As Needed

12. CONTRACT DOCUMENTS

The complete Contract Documents will include the following:

1. Scope of Services
2. Professional Standards
3. Compensation
4. Term of Agreement
5. Amendment
6. Status of Contractor
7. Assignment
8. Subcontracting
9. Records, Audits and Reporting
10. Conflict of Interest
11. Stoppage of Work
12. Amendment
13. Applicable Law
14. Scope of Agreement, Merger
15. Waiver
16. Insurance
17. Notice
18. Subject to Other Documents
19. Indemnification
20. New Mexico Tort Claims Act
21. Bribery and Kickbacks
22. Discrimination Prohibited
23. Third Party Beneficiaries

13. OTHER INSTRUCTIONS TO OFFERORS (If none, write none)

13.1 OFFERORS INTERESTED IN MORE THAN ONE PROPOSAL

- a. No person, firm or corporation shall be allowed to make, or file, or be interested in more than one proposal for the same work unless alternate proposals are specifically called for. A person, firm, or corporation that has submitted a sub-proposal to an Offeror, or that has quoted prices of materials to an Offeror is not thereby disqualified from submitting a sub-proposal or quoting prices to other Offerors or making a prime proposal.

14. GENERAL TERMS AND CONDITIONS

14.1 DEFINITIONS

- a. *Addendum*: a written or graphic instrument issued prior to the opening of proposals, which clarifies, corrects or changes the Request for Proposals. Plural: addenda.
- b. *Consultant*: the successful Offeror awarded the Agreement/Contract.
- c. *Determination*: means in the written documentation of a decision of the procurement officer including findings of fact required to support a decision. A determination becomes part of the procurement file to which it pertains (§13-1-52 NMSA 1978).
- d. *Offeror*: any person, corporation or partnership legally licensed to provide design professional services in this state who chooses to submit a proposal in response to this Request for Proposals.
- e. *Procurement Manager*: means the person of designee authorized by the contracting Agency to manage or administer a procurement requiring the evaluation of proposals.
- f. *Request for Proposals*: or "RFP" means all documents, including those attached or incorporated by reference, used for soliciting purposes (§13-1-81 NMSA 1978).
- g. *Responsible Offeror of Proposer*: means an offeror or proposer who submits a responsive

proposal and who has furnished, when required, information and data to prove that the proposer's financial resources, production or service facilities, personnel, service reputation and experience are adequate to make satisfactory delivery of the services described in proposal (§13-1-83 NMSA 1978).

- h. *Responsive Offer or Proposal*: means an offer or proposal that conforms in all material respects to the requirements set forth in the request for proposals. Material respects of a request for proposals include, but are not limited to, price, quality, quantity or delivery requirements (§13-1-85 NMSA 1978).

14.2 TERMS

- a. The terms *must, shall, will is required or are required*, identify a mandatory item or factor that will result in rejection of the Offeror's proposal.
- b. The terms *can, may, should, preferably or prefers* identify a desirable discretionary item or factor.

14.3 CONTRACTUAL TERMS

- a. *Amendment*: This contract will not be altered, changed, or amended except by a written document signed by the parties of this Contract.
- b. *Assignability*: The Consultant shall not assign, sublet or transfer their interests in this Contract without the written agreement of the City. If such an assignment is allowed, the Consultant shall be ultimately responsible to ensure that the work is performed satisfactory. Any sub-contractors assigned must be approved by the City.
- c. *Authority to Bind the City*: The Consultant shall not have the authority to enter into any contracts binding upon the City or to create any obligations on the part of the City, except such as shall be specifically authorized by the City's representative, acting pursuant to authority granted by the City.
- d. *Binding Effect*: This contract shall be binding and shall insure to the benefit of the successors and assignees of the City and the Offeror.
- e. *Business License*: Prior to commencement of work, Offeror must secure a business license from the City of Las Vegas, and submit proof thereof.
- f. *Conflict of Interest*: The consultant warrants that it presently has no interest and will not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of services under this Contract.
- g. *Communication with the City of Las Vegas*: The consultant shall be required to periodically update the City of Las Vegas of the status of any project.
- h. *Funding*: This solicitation is subject to the availability of funds to accomplish the work. Payment and performance obligations for succeeding fiscal years shall be subject to the appropriation of funds. Therefore, when funds are not appropriated, or otherwise made available to support continuation of performance of the contract in a subsequent fiscal period, the contract will be terminated.
- i. *Gross Receipts Tax*: Unless otherwise agreed, Offeror is responsible for payment of gross receipts tax.
- j. *Indemnification*: The Consultant will indemnify, keep and hold harmless the City, its agents, officials and employees, against all suits or claims that may be based on injury to persons or property that is a result of an error, omission, or negligent act of the Consultant or any person employed by or acting on behalf of the Consultant.
- k. *Insurance*: The Consultant must at all times hold errors and omissions liability insurance of at least \$1,000,000.00 and list the City of Las Vegas as an additional insured. Proof of compliance with this insurance requirement is to be provided to the City upon execution of this contract.
- l. *Method of Payment*: The Consultant shall submit itemized monthly statements of work performed on behalf of each City department as outlined herein. The City will then make payment by the 15th of the following month.
- m. *Notices*: Any notice required to be given under this Contract shall be deemed sufficient if given in writing by mail or hand-delivered to the City Clerk's office or by mail or hand-delivered to the Consultant's office.

- n. *Professional Standards*: The Consultant agrees to abide by and perform its duties in accordance with the Code of Ethics as established by the City of Las Vegas and/or its designee(s).
- o. *Scope of Contract*: This Contract incorporates all the agreements, covenants and understandings between the parties concerning the subject matter of this Contract, and all such agreements, covenants, or understandings, oral or written, of the parties or their agents shall not be valid or enforceable, unless embodied into this contract.
- p. *Subject to Other Documents*: This Contract is subject to the terms and conditions of the statutes of the State of New Mexico and Ordinances of the City of Las Vegas, New Mexico as they exist at the time that this Contract is signed or as they are hereafter amended. All such statutes and ordinances are incorporated by reference to this agreement.
- q. *Term*: The term of this agreement shall be for a period of one (1) year, which may be extended, upon written agreement of both parties, not to exceed a period of four (4) years.
- r. *Termination*: Either party may terminate this contract by giving written notice to the other party thirty (30) days in advance. However, if the Offeror is adjudged as bankrupt or insolvent, or defaults in any way, the City may, without prejudice to any other right or remedy, and after giving Offeror a minimum of ten (10) days from the delivery of a written notice, terminate the services of the Offeror.
- s. *Timelines*: All work shall be performed in a timely manner, as requested. Compensation for services not completed with agreed upon timelines will not be paid.
- t. *Work Stoppage*: The City of Las Vegas retains the a unilateral right to order, in writing, temporary stoppage of the work or delay of the performance of the work, with a ten (10) day notice to the Offeror.

14.4 CONDITIONS

- a. *Bribes, Gratuities and Kick-Backs*: Pursuant to §13-1-191 NMSA 1978, reference hereby made to the criminal laws of New Mexico (including §30-14-1, §30-24-2 and §30-41-1 through §30-41-3 NMSA 1978) which prohibits bribes, kick-backs and gratuities, violation of which is a felony. Furthermore, the Procurement Code (§13-1-28 through §13-1-199 NMSA 1978) imposes civil and criminal penalties for its violation.
- b. *Design Professional Registration*: All work shall be under the direction of the applicable design professional legally licensed and registered by the State of New Mexico.
- c. *Fees*: A lump sum fixed fee for Basic Service will be negotiated with the Offeror selected.
- d. *Funding*: The solicitation is subject to availability of funds to accomplish the work.
- e. *Governing Law*: The Agreement shall be governed exclusively by the laws of the State of New Mexico as the same from time to time exists.
- f. *Independent Contractors*: The Consultant and the Consultant's agents and employees are independent contractors and are not employees of the Contracting Agency. The Consultant and the Consultant's Agents and employees shall not accrue leave, retirement, insurance, bonding, use of Contracting Agency vehicles or any other benefits afforded to employees of the Contracting Agency as a result of the Agreement.
- g. *Professional Liability Insurance*: The Offeror will be required to carry professional liability (errors and omissions) insurance. The amount of coverage will be \$1,000,000.00.
- h. *Standard Form of Agreement between Contracting Agency and Consultant*: The form of agreement required by the funding agency or issued by the Contracting Agency will be used for this project. Copies are available upon request.

*Copies of the Request for Proposals can be obtained in person at the office of the City Clerk or will be mailed upon written or telephone request to the City of Las Vegas' City Clerk's Office at 1700 North Grand Avenue, Las Vegas, New Mexico 87701, 505.426.3262

EVALUATION SHEET

Offerors:

Proposal must address each of the following criteria.

Rating Sheet For (applicant name):

Item	Possible Points	Points Awarded
1. Specialized Planning & Design and Technical Competence	25	
2. Capacity and Capability	25	
3. Past Record and Performance	20	
4. Familiarity with Contracting Agency	15	
5. Current Volume of Work with the Contracting Agency that is less than 75% complete	5	
6. Other	5	
7. Proximity	5	
8. Preference* (Total Possible Points)	5-10	
Subtotal Planning & Design Service	<u>110</u>	

*Resident Business 5%, Resident Veteran (less than 1 Million in Revenue) 10%, Veteran (1 Million to 5 Million in Revenue) 8%, Veteran (5 Million or greater in Revenue) 7%

**CITY OF LAS VEGAS
RFQ/PROPOSAL/BID OPENING**

DATE: 1-Aug-2017

OPENING NO.: 2018-02

TIME: 2:00 PM

DEPARTMENT: WATER

LOCATION: City of Las Vegas Chambers
1700 N. Grand Ave.
Las Vegas, NM 87701

ITEM(S): ENGINEERING SERVICES FOR DAMS AND RESERVOIRS

RECEIVED FROM:	AMOUNT	SUB CONTRACTOR LIST	BID BOND	AFFIDAVIT NOTARIZED	CAMPAIGN DISC. FORM
1 RMCI INC				N/A	N/A
2 Bohannon Huston				✓	✓
3 AECOM				✓	✓
4					
5					
6					

COMPANY REPRESENTATIVE	COMPANY NAME
1 Benito Lujan	pm UT
2 Travis Hern	
3 Yupe Apodaca	CLV Unrentary
4	CLV Purchasing
5 Don Cole	CLV Utilities
6	
7	
8	
9	
10	

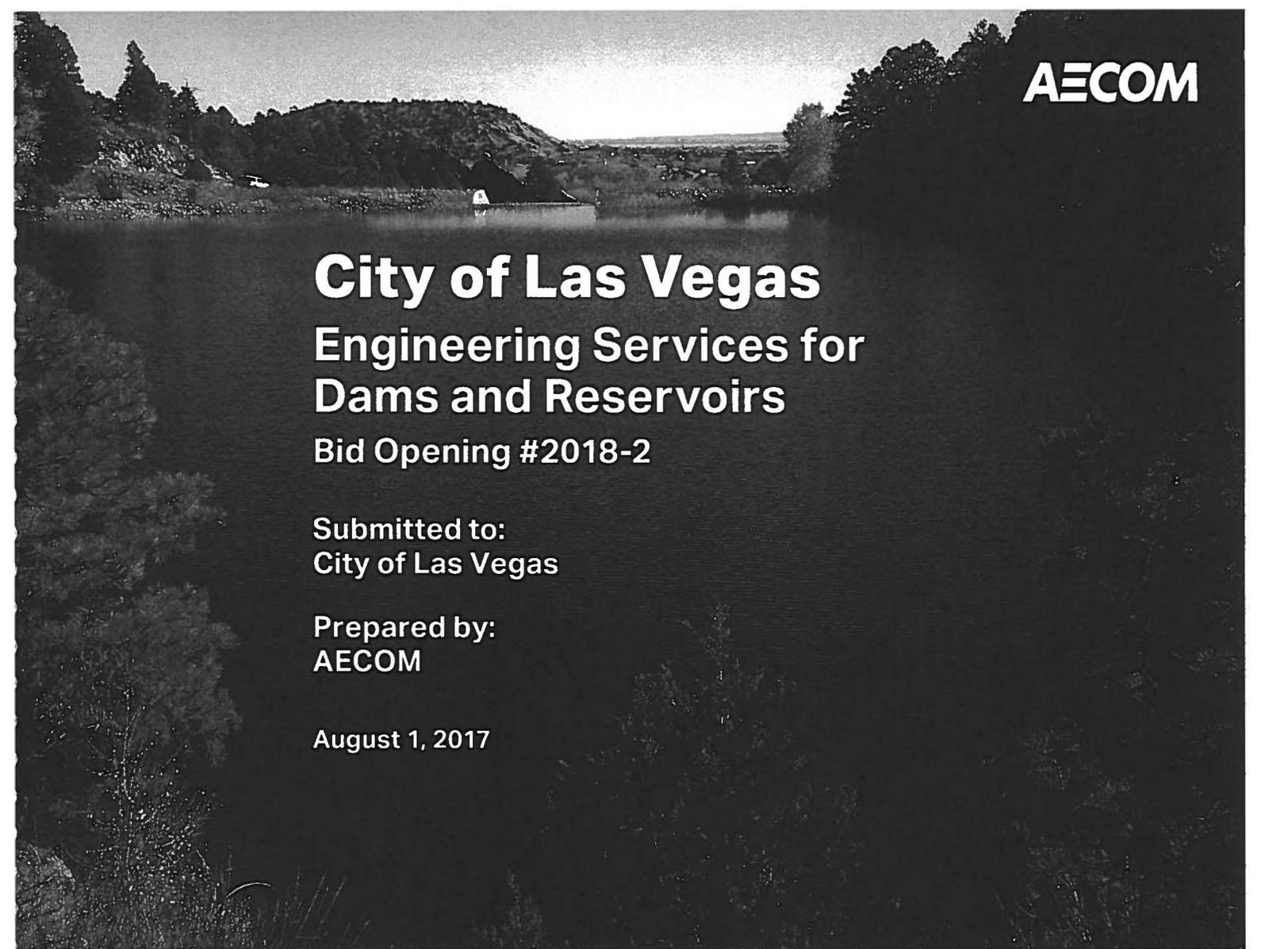
(use other side of form when full)
ORIGINALS TAKEN BY CITY CLERK:

DATE: 8/1/17

OPENED BY: FINANCE DEPARTMENT

DATE: 8/1/17

COPIES TAKEN BY DEPT:
pm 15 to 1
DATE: 8/1/17



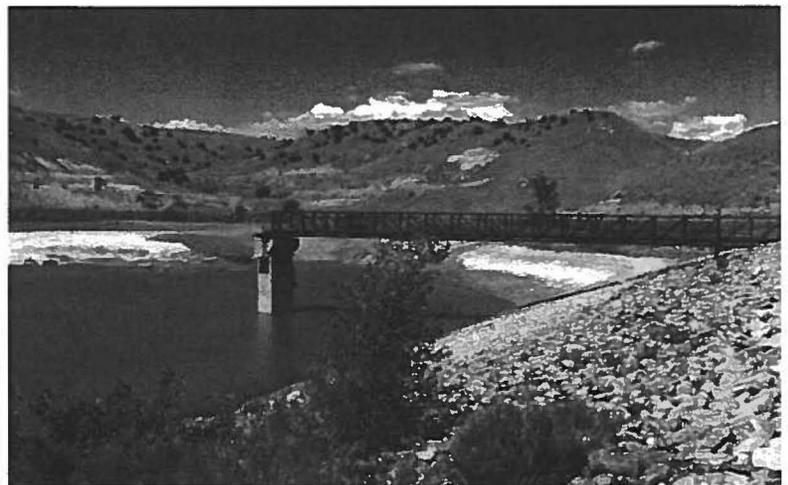
City of Las Vegas
Engineering Services for
Dams and Reservoirs

Bid Opening #2018-2

Submitted to:
City of Las Vegas

Prepared by:
AECOM

August 1, 2017



August 1, 2017

City of Las Vegas
City Clerk's Office
1700 North Grand Avenue
Las Vegas, NM 87701

RE: Opening No. 2018-02 Engineering Services for Dams and Reservoirs

Dear Ms. Fresquez and Members of the Selection Committee:

AECOM Technical Services, Inc. (AECOM) understands the importance that the City of Las Vegas' (City) reservoirs represent for present and future water supply from our years of providing consulting services to the City. We are providing these services under URS. URS was acquired in 2014 by AECOM and we have been performing our present services under the URS contract. The enclosed proposal describes our New Mexico dam and reservoir experience and capabilities that are relevant to the proposed scope of services. Our proposal, formatted in accordance with page 12 of the Request for Proposal (RFP), is based on the following three factors that were carefully developed to facilitate program success:

- **Unrivaled New Mexico Project Experience.** Our team has delivered services on similar dam and reservoir projects in New Mexico for the past 20 years. We have extensive experience supporting our clients and working closely with the Office of the State Engineer (OSE) to take projects from conception through construction and commissioning. We have provided similar dam and reservoir related services for Santa Cruz Dam, Morphy Lake Dam, Las Alamos Dam, Grindstone Dam, Bradner Dam, Peterson Dam and others in the past five years. We look forward to working with the City to deliver successful projects that meet the City's goals and objectives like we have the past 5 years.
- **A Qualified, Known, and Proven New Mexico Team.** We have assembled a team who is respected by the OSE and clients throughout New Mexico, including the City, for our impeccable qualifications and our demonstrated ability to consistently reach or exceed client expectations. Ed Toms, our Project Manager, will lead our team in delivering robust, cost-effective solutions that will meet the City's needs, while also meeting OSE Rules. We have included subcontractors, that we have used on past City dam projects, on our team for survey (WH Pacific, NM), test pitting and borings (Geomechanics Southwest, NM), laboratory testing (Advanced Terra Testing, (CO), Site Specific Precipitation Estimation (Applied Weather Associates, CO) and Constructability and Cost Estimating Review (Engineering Solutions, MT).
- **Unequaled Knowledge of Bradner and Peterson Reservoirs.** Through our current contract with the City, we have developed a detailed knowledge of the City's reservoirs. We have developed conceptual and final level designs for enlargement and rehabilitation of Bradner Reservoir and several concept level designs for the enlargement and rehabilitation of Peterson Reservoir. Engagement of AECOM for the provision of these services will ensure a seamless transition between the existing and new contract. This transition is crucially important as is the retention of project specific knowledge. The final design for the Bradner Reservoir Rehabilitation Project was submitted to the OSE in May 2017 with construction due to commence in September 2017. An initial phase of work for the Peterson Reservoir Enlargement Project is due to commence in August 2017.

We have the proven ability to provide the services requested in the RFP if awarded this contract with the City. Our team is well-suited and committed to the success of the City's staff and projects. We appreciate your consideration of our proposal. If you have any questions or would like to discuss our submittal, please contact Ed Toms at 303.204.8294 or ed.toms@aecom.com.

Sincerely,



Ed Toms, PE
Project Manager and Vice President

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Compliance Matrix – Selection Criteria

Item / Requirement	Location of Response in Proposal	Highlights
1. Specialized Planning & Design and Technical Competence	Section E, Section F, Section J	AECOM has completed more than 100 projects in New Mexico, including several new dams and rehabilitations of existing systems
2. Capacity and Capability	Section E, Section J	More than 1,500 AECOM personnel in the Southwest includes all technical disciplines required for the contract
3. Past Record and Performance	Section E, Section F	References are provided for recent, relevant projects
4. Familiarity with Contracting Agency	Page 17, Section E, Section F	AECOM currently holds an existing contract with the City and has performed several projects under the existing contract
5. Current Volume of Work	Page 18	AECOM currently is completing the final design for the Bradner Reservoir Rehabilitation which is 90 to 95% complete.
6. Other	Section J	Technical and project management qualifications are extensive and relevant
7. Proximity	Page 19	AECOM has several offices in New Mexico
8. Preference	Page 19	AECOM is a NM Resident Business

SECTION A: Offeror's Identification

Name of Firm: AECOM Technical Services, Inc.

Primary Address: One Park Square, 6501 Americas Pkwy, # 900, Albuquerque, NM 87110

Type of Organization: Corporation

Certificate/Preferences: AECOM is a Resident of New Mexico certified business, License Number L0556265520. Tax Identification # 95-2661922. Our Contractor's Contract ID is 6695.

Staff Responsibilities: We have identified a team based on availability, qualifications, registrations, and their proven ability to work with clients to identify the best solutions to project challenges. Our personnel and their specific roles are identified in Figure 1, Organization Chart and their qualifications are detailed in Section B.

Subcontractor Responsibilities: Our subcontractors, as identified in the table at the right, have all worked with AECOM previously. They have extensive experience in the services we have asked them to provide on this contract, and their personnel qualifications are provided in Section B. Additional information and licenses can be provided upon request.

Authority and Interface: Mr. Ed Toms will be our Project Manager for this contract and will be the main point of contact with the City. All subcontractors will report to Ed. He will be responsible for the preparation and execution of the contract.

Person Authorized for Contract Execution: Ed Toms / 303.204.8294 / ed.toms@aecom.com

STATE OF NEW MEXICO
 TAXATION AND REVENUE DEPARTMENT
RESIDENT BUSINESS CERTIFICATE

Issued to: **AECOM TECHNICAL SERVICES INC**
 DBA: **AECOM TECHNICAL SERVICES INC**
 6501 PARK SQUARE
 ALBUQUERQUE, NM 87110

Expires: **26-Aug-2018**

Certificate Number: **L0556265520**

Ed Toms
 Ed Toms, Director, Taxation and Revenue Department

THIS CERTIFICATE IS NOT VALID WITHOUT THE ORIGINAL SIGNATURE

Team Members: AECOM, as prime, is a State of New Mexico Resident firm, and will manage our five subcontractors as part of our proven team.

Team Member	License Numbers	Role on Contract
AECOM	Contractor: L0556265520 Eng. 6695	Project Management, Engineering
Geomechanics Southwest	WD-1522	Test Pits and Borings
WH Pacific	20-3966470, Surveyor License #10856	Survey
Engineering Solutions	C200618	Cost Estimating Review
Applied Weather Associates	43-1975086	Site Specific PMP
Advanced Terra Testing	84-0966418	Testing Laboratory

We have provided our notarized Offeror of Information form, as requested by the RFP, in this section.

FEDERAL TAX IDENTIFICATION NUMBER

Pursuant to IRS requirements, offerors shall provide their Federal Tax ID Number if offeror is incorporated. If offeror is a sole proprietorship or partnership, then shall provide their Social Security Number.

FEDERAL TAX ID NUMBER: 95-2661922

SOCIAL SECURITY NUMBER: N/A

OFFEROR INFORMATION

OFFEROR: AECOM Technical Services, Inc.

AUTHORIZED AGENT: Ed Toms, Vice President

ADDRESS: One Park Square, 6501 Americas Pkwy, # 900, Albuquerque, NM 87110

TELEPHONE NUMBER (303) 694 2770

FAX NUMBER (303) 694 3946

DELIVERY: FedEx

STATE PURCHASING RESIDENT CERTIFICATION NO.: N/A

NEW MEXICO CONTRACTORS LICENSE NO.: Contractor #: 6695, Engineering License #: L0556265520

SERVICE (S): **ENGINEERING SERVICES FOR DAMS AND RESERVOIRS.**

THE CITY OF LAS VEGAS RESERVES THE RIGHT REJECT ANY OR ALL PROPOSALS
AND TO WAIVE ANY TECHINCAL IRREGULARITY IN THE FORM.

AFFIDAVIT FOR FILING WITH COMPETITIVE PROPOSAL

STATE OF Colorado }

COUNTY OF Arapahoe } ss }

I, Michael May of lawful age, being of first duly sworn in oath, say that am the agent authorized by the offerors to submit the attached proposal. Affiant further states that the offeror has not been a party to any collusion among offerors in restraint of freedom of competition by agreement to a fixed price or to refrain from submitting a proposal; or with any city official or employee as to the quantity, quality or price in the prospective contract, or any other terms of said prospective contract; or in any discussion between offerors with any City official concerning an exchange of money or any other thing of value for special consideration in the letting of a contract.

Michael May For Ed Toms
Signature

Subscribed and sworn to before me, this 31 day of July, 2017.

(SEAL) AMY J. PHARO
NOTARY PUBLIC
STATE OF COLORADO

Amy Pharo
Notary Public Signature
My Commission Expires: 02/10/2020

SECTION B: Personnel Experience

The AECOM Team for the provision of engineering services for dams and reservoirs has extensive experience working on projects in New Mexico as presented in this section.

Servicing the City of Las Vegas Utilities System

AECOM has unsurpassed service capabilities, resources, and drive to deliver successful projects to the City and the City of Las Vegas Utilities System, just as we have under our current contract, and for other New Mexico dam and reservoir owners. These include projects at Las Alamos Dam, Bloomfield Dam, Morphy Lake Dam, and Santa Cruz Dam.

AECOM has assembled a highly qualified team of engineers and technical professionals to assist the City in reaching its project goals. In addition to our in-house professionals, the AECOM Team comprises subconsultants for specialist tasks including surveying (WH Pacific), test pitting and boring (Geomechanics Southwest), laboratory testing (Advanced Terra Testing), Site Specific Precipitation Estimation (Applied Weather Associates (CO) and Constructability and Cost Estimating Review (Engineering Solutions, MT). We have recently worked with these subconsultants on the Bradner Reservoir Enlargement Project and the Bradner Reservoir Rehabilitation Project. We believe the AECOM Team is the best team to provide these services based on our experience, knowledge, and ability to provide the services required to deliver successful projects in New Mexico—projects that will readily gain approval from the OSE.

Project Team and Capacity

Our team was selected and carefully crafted based on the goal of exceeding the City's expectations as well as supporting the City through funding, permitting, design, and construction activities over the lifespan of a project. AECOM has standing, depth and capacity, and longevity in the New Mexico dam and reservoir engineering and construction marketplace as well as a track record of performing other engineering services throughout the state. This means we will be present and able to support these projects from conception through construction and commissioning. Tasks can be undertaken on short notice and completed in a timely manner. **With more than 1,500 personnel in the Southwest, we offer every technical engineering and construction services discipline that would be required by this contract.** Section J further describes AECOM's qualifications, capacity and capabilities with regard to our Project Team and each key technical area envisioned to be relevant to the City's projects.

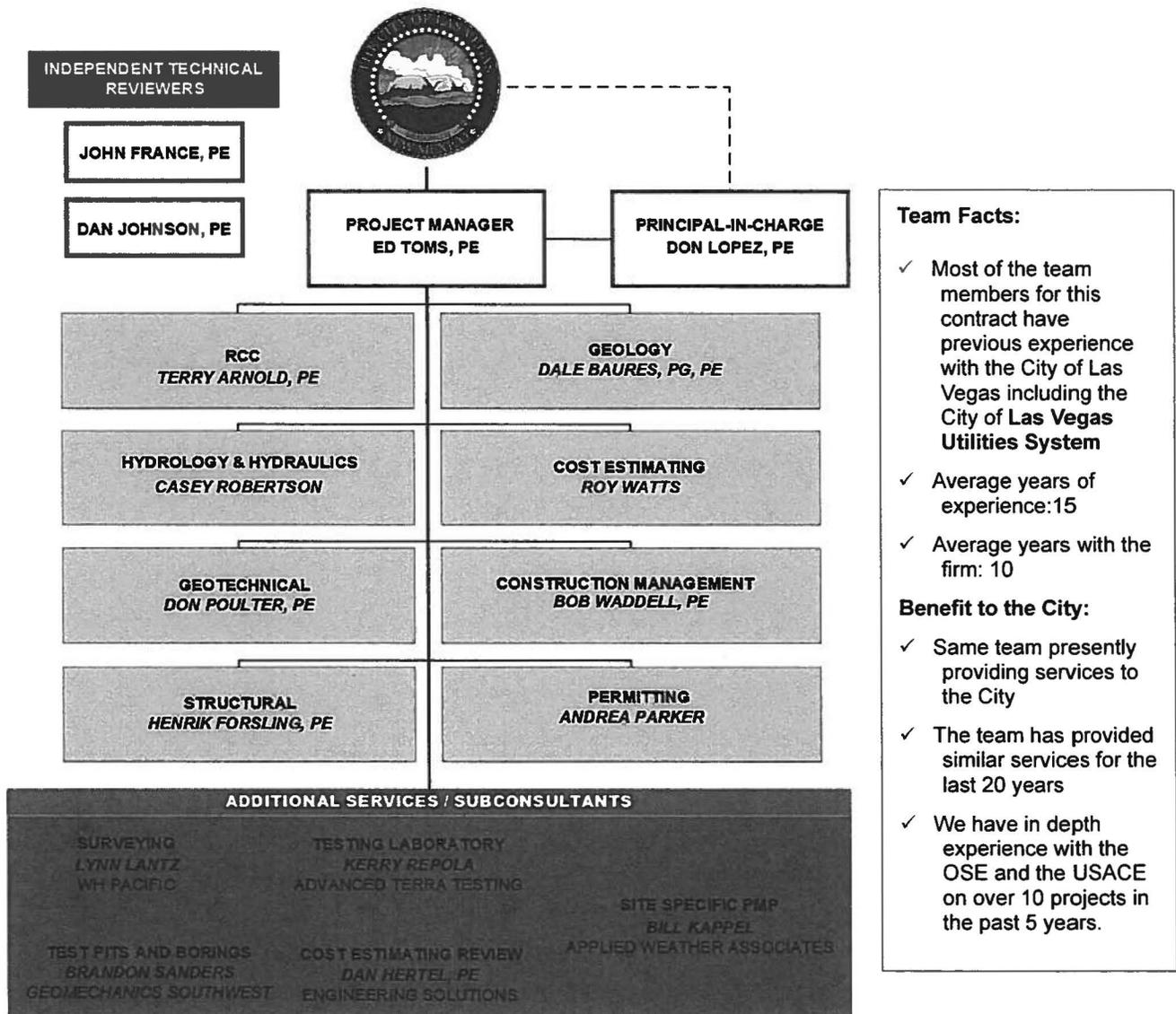
Our proposed organization chart is shown as **Figure 1** and includes our key project team members. Each of our technical leaders was selected based on their involvement on current projects with the City and qualifications and ability to commit the necessary time and resources to the City's projects. Brief summaries of our key Project Team members' experience are provided in this section.

Ed Toms | Project Manager | NM PE (#10675) | Years of Experience: 30



Ed Toms will oversee the contract and work performed to meet the City's expectations. Ed's reservoir and dams project experience and successful history with the New Mexico OSE has reinforced his number one rule—management must be proactive and communication must be transparent and honest. **The City will be treated as a member of the Project Team in which participation and collaboration are encouraged and the ideas solicited will be heard and evaluated in full.**

He has more than 30 years of experience in large infrastructure projects including basin planning, master planning, engineering analysis, design, construction management, project management, and public outreach. His water resources experience includes dam design, dam safety and rehabilitation, river diversions, hydraulic structures, surface and groundwater hydrology, hydropower, pump stations, pipelines, and SCADA control systems. He has been the Project Manager and Technical Leader on 10 new dams constructed with earthfill, rockfill, and Roller Compacted Concrete (RCC) with heights up to 160 feet. He has obtained approvals for analyses, designs, and construction for more than 40 projects in New Mexico in the past 10 years. **Education: Civil Engineer Master of Science**



Team Facts:

- ✓ Most of the team members for this contract have previous experience with the City of Las Vegas including the City of Las Vegas Utilities System
- ✓ Average years of experience: 15
- ✓ Average years with the firm: 10

Benefit to the City:

- ✓ Same team presently providing services to the City
- ✓ The team has provided similar services for the last 20 years
- ✓ We have in depth experience with the OSE and the USACE on over 10 projects in the past 5 years.

Figure 1 Organizational Chart for Reservoir and Dam Rehabilitation Engineering and Construction Services

Don Lopez | Principal-in-Charge | NM PE (#5122) | Years of Experience: 17

Don Lopez possesses a comprehensive background in engineering and will be the Principal-in-Charge for these services. He has expertise in supervision of civil engineering structures and other civil engineering features design, construction and maintenance, construction and operation of flood and water control facilities. Mr. Lopez has experience in water resources, highway engineering and the supervision of professional engineering and staff employees. **Education: MS, Civil Engineering, University of New Mexico, 1972.** Highlighted Projects:

- Albuquerque Bernalillo County Water Utility Authority Drinking Water Project, NM
- Ute Dam Spillway Renovation, Quay County, NM
- AMAFCA Amole Channel, Albuquerque, NM

Terry Arnold | RCC Evaluation and Design | PE | Years of Experience: 38

Terry Arnold has been responsible for, and conducted, field and laboratory investigations, analyses, design plans and specifications for earth dams, rock fill dams, RCC dams, tailing dams, landfills, and foundations for industrial buildings. Mr. Arnold's experience includes siting studies and project layout; development of design criteria; settlement, seepage, stability and hydraulic analysis; preparation of plans, specifications, construction cost estimates; construction engineering; and project management. His experience ranges from initial site investigation through project construction. Mr. Arnold has also provided

analyses and consultation for construction contractors. **Education: MS, Civil Engineering, Kansas State University, 1977.** Highlighted Projects:

- Pajarito Flood Retarding Structure, Los Alamos, NM
- McClure Dam, NM
- Bradner Reservoir Rehabilitation Project, NM



Casey Robertson | Hydraulics and Hydrology | Years of Experience: 16

Casey Robertson is a civil engineer with extensive experience with dams in the areas of planning, design (conceptual through final), construction, and project management. Casey is a water resources engineer and has been the project manager, design manager, and technical lead on several large scale reservoir projects throughout the United States and Australia. He has completed work as the design manager and lead hydraulic designer for the rehabilitation design for Bradner Reservoir for the City of Las Vegas, New Mexico and also for the Gila Valley Reservoir and Conveyance Project, New Mexico Central Arizona Project portion. **Education: BS, Civil Engineering, Victorian University, 2001.** Highlighted Projects:

- Bradner Reservoir Enlargement Project, NM
- Alto Dam Reservoir Enlargement Project, NM
- Gila Valley Reservoir and Conveyance Project, NM

Don Poulter | Geotechnical Lead | PE | Years of Experience: 35

Don Poulter is a principal consultant with local and international experience in geotechnical engineering and dams in the civil and mining industries. His professional experience includes Bradner Dam and is broad-based in field work, project planning and permitting, design and construction, facility operations and long-term project planning, and dam safety evaluations. Don's experience in these industries has encompassed mitigation studies and rehabilitation of distressed facilities including dams, spillways, slopes, and surface water conveyance facilities as well as project audits/due diligence reports and trade-off studies. He has served as project manager and client representative on many projects of varied complexity as well as the team discipline/task lead as proposed herein this contract. Don's personal experience includes working with Mr. James Head of the OSE prior to him joining the OSE staff.

Education: MS, Civil Engineering, Purdue University, 1977. Highlighted Projects:

- Bradner Reservoir Rehabilitation Project, NM
- Jardine Mine Dewatered Tailings Disposal Facility, MT
- Montanore EIS Review Project, MT



Henrik Forsling | Structural Lead | PE | Years of Experience: 11

Henrik Forsling has experience in civil/structural engineering including evaluation and design of heavy civil public works projects, including concrete and embankment dams and appurtenant structures, hydraulic structures, water/wastewater treatment facilities, bridges, vaults, pump stations, post-tensioned concrete water storage tanks, and various steel structures. In addition, Henrik has performed structural condition assessments of numerous concrete and steel water storage tanks, water treatment facilities, conduits, and dams with appurtenant structures. He also has many years of construction engineering and construction project management experience for dams, hydraulic structures, and water/wastewater treatment projects. Henrik was the project engineer and resident project representative for the Los Alamos Canyon Dam Modifications Project. **Education: MS, Civil Engineering, Colorado State University, 2006.** Highlighted Projects:

- Los Alamos Canyon Dam Modifications, Los Alamos, NM
- Randall Dam Acequia Association, Randall Dam Outlet Works Modification, Taos, NM
- Bradner Reservoir Rehabilitation Project, NM

Dale Baures | Geology | PE, PG | Years of Experience: 30

Dale Baures has more than 30 years of experience on a large number of water resources projects, including engineering geology and geotechnical investigations where he has been responsible for characterization of engineering and geologic conditions. His dam experience includes Stagecoach, Colorado; Tie Hack, Wyoming; Gibraltar, California; Camp Dyer Diversion, Arizona; Sheep Creek, Alaska; Tegucigulpa Dam, Honduras; and Toker, Eritrea. Investigations included mapping, drilling, in-situ testing, and sampling at the dam sites and aggregate borrow sites. Conducted investigations to develop

engineering properties for materials in the foundation and concrete to be used for design. He is a registered engineer and professional geologist. **Education: MS, Geological Engineering, Colorado School of Mines, 1986.** Highlighted Projects:

- Bradner Reservoir Enlargement Project, NM
- Ashton Dam Upgrades to a Rockfill Dam, Ashton, ID
- Bradner Reservoir Rehabilitation Project, NM



Roy Watts | Cost Estimating Lead | Years of Experience: 27

Roy Watts is an experienced professional in construction project controls, construction cost estimating/scheduling, and claims management and avoidance. He has acquired diversified experience in design and construction of projects involving transportation, water resources, energy, and environment. Roy's previous and present responsibilities include construction implementation and quality control, scheduling all levels of project development, and construction conceptual and final design cost estimates, and contract document development. His experience includes many water infrastructure projects. Mr. Watts will be the Cost estimating lead for this contract. **Education: B.S. Management, 1965.** Highlighted Projects:

- Green Ridge Glade Reservoir Expansion, Loveland, CO
- Bradner Reservoir Enlargement Project, NM
- Bradner Reservoir Rehabilitation Project, NM



Bob Waddell | Construction Manager Lead | PE | Years of Experience: 28

Bob Waddell is a senior project geotechnical engineer with more than 28 years of heavy-civil design and construction project experience, predominately related to dams and water resources infrastructure projects. He has been involved in all aspects of design including investigations, testing and report preparation, and preparation of Design Reports, Plans, and Specifications. Bob's extensive experience covers all aspects of design and construction of dams and related water resources infrastructure from project planning and subsurface characterization to final construction and post-construction monitoring. His construction management duties have included review and responding to RFIs from Contractors, review and approval of Submittals, Change Orders and Pay Requests, and issuing Field Directives to Contractors. Bob also has extensive experience with dam foundation grouting and void filling with grouts in applications such as outlet conduit abandonment and conduit relining operations. **Education: BS, Civil Engineering, University of Missouri, 1988.** Highlighted Projects:

- Bradner Reservoir Enlargement Project, NM
- Smith Lake Dam Raise Design, VA
- Bradner Reservoir Rehabilitation Project, NM



Andrea Parker | Environmental Permitting Lead | Years of Experience: 17

Andrea Parker has worked extensively on water resources planning and permitting projects on behalf of lead federal agencies (e.g., U.S. Army Corps of Engineers [USACE], U.S. Bureau of Reclamation) as well as for owners/applicants. Her project experience includes preparation of National Environmental Policy Act compliance documentation including Environmental Assessments, Environmental Impact Statements, Clean Water Act Section 404 permit applications, and other environmental resource documents. For the City of Las Vegas, she obtained a 404 Individual Permit from USACE for the Bradner Reservoir Rehabilitation Project in June 2017 that was modified from the pursuit for the Bradner Reservoir Enlargement Project that was permitted in June 2014. Andrea also oversaw the recently completed biological and wetland surveys at Peterson Dam that can be directly applied to permitting a rehabilitation or enlargement project at that site. She also achieved NEPA compliance by preparing an Environmental Information Document for the Environmental Protection Agency for Bradner Reservoir Enlargement. She has additional Section 404 experience in New Mexico with Morphy Lake Dam Rehabilitation (permitted in June 2017); Ponderosa Ditch Association, Lower Vallecito Dam Rehabilitation; Bloomfield Dam Rehabilitation; and Terrace Reservoir Rehabilitation. She works alongside engineers, as well as closely with environmental planners and ecologists, and has obtained regulatory approvals for nearly 20 dam/reservoir projects in the western U.S. in the last decade. **Education: MS, Environmental Science, Texas A&M University.** Highlighted Projects:

- City of Las Vegas, Bradner Reservoir Expansion, NM
- City of Bloomfield, Bloomfield Dam Rehabilitation, NM
- Terrace Irrigation Company, Terrace Reservoir Rehabilitation, NM

Dan Hertel | Cost Estimating Review | PE | Years of Experience: 35

Dan Hertel, (Engineering Solutions) is a registered professional engineer and private consultant. With his 35 year background in the construction of dams, pipelines, and other water resource projects, Mr. Hertel provides constructability reviews, cost estimates, value engineering and engineering support services to the engineering profession. He has been a private consultant since 2010, providing services on major dam projects in the United States for a variety of federal, state, and local agencies and engineers. His career includes 20 years as Vice President with Barnard Construction Company, one of the USA premier dam constructors. During his career at Barnard, Mr. Hertel held positions of Chief Estimator, Operations Manager, and Manager of Business Development. Mr. Hertel is a member of ASDSO and past President, Vice President, and Treasurer of USSD. Mr. Hertel will provide third party review of cost estimates on an as-needed basis. **Education: BS, Construction Engineering, Montana State University, 1982**

Lynn Lantz | Survey Lead | NM Professional Surveyor (#10856)

Lynn Lantz (WH Pacific), a NM PS and former CDOT employee, has worked on various projects, including roads, bridges, structures, and drainage projects. Mr. Lantz will provide survey services for this contract. He led up to three survey crews at the Spaceport America in New Mexico, surveying utility corridors, roads, runways, and taxiways. Lynn provided mapping Right of Way (ROW) for approximately 35 miles of roads in the Pueblo of Laguna for ROW and design of bicycle/hiking trails and has worked the construction side staking highways and bridges in New Mexico. Additional relevant experience includes review of plats and legal descriptions, establishment of ROW for design, and survey for road widening.

Brandon Sanders | Test Pit and Boring Lead | Weller Driller (# WD-1522)

Brandon Sanders (Geomechanics Southwest) is the company principal for Geomechanics Southwest, Inc. (GSI) in New Mexico and is the OSE Well Driller qualifying party for the company. GSI is an Arizona corporation, established in 1980 in Tucson as a full-service geotechnical consulting firm. Initially, the drilling division provided services in support of in-house geotechnical and environmental investigations. In 1986, the company expanded drilling operations to include contract drilling services, offered to other professional consultants in Arizona. In 1990, the company continued to expand its drilling division with the opening of a branch office in Phoenix. In 1992, the engineering / consulting division was dissolved, thus Geomechanics Southwest became a truly independent drilling contractor. In 2000, the company again expanded with the opening of the branch office in Albuquerque and has operated continuously for 17 years in New Mexico.

Kerry Repola | Testing Laboratory | Years of Experience: 25

Kerry Repola (Advanced Terra Testing) has more than 25 years of experience in field investigations and geotechnical testing. His field experience includes clay and geosynthetic liner inspection, groundwater monitoring well soil sampling, groundwater well installation, groundwater well decommissioning, ground water well development and groundwater sampling. Kerry has coordinated the excavation, and supervised and conducted the sampling of multiple test pit areas. He has also coordinated the lab testing programs for selected samples from a number of different field programs. During these field assignments, he was responsible for client and subcontractor interfaces, implementation of site specific health and safety programs, and the generation of daily and weekly work reports. Mr. Repola will provide laboratory testing services for this contract.

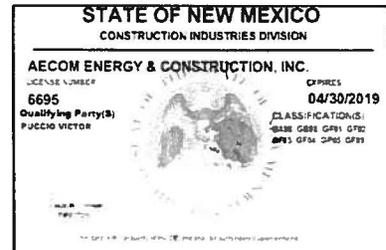
Bill Kappel | Site Specific PMP |

Bill Kappel (Applied Weather Associates) Mr. Kappel is President and Chief Meteorologist of Applied Weather Associates. The focus of activity at AWA has been development of Probable Maximum Precipitation (PMP) and extreme storm analyses. He has been the chief meteorologist and project manager for numerous PMP studies while working extensively in the development, analysis, and publication of the PMP values. This includes the role as project manager and chief meteorologist for the CDOT/FEMA Areal Reduction Factor study along the Front Range of Colorado following the September 2013 storm, the Gross Reservoir site-specific PMP study, and the ongoing Colorado-New Mexico Regional PMP study. Mr. Kappel has also led several analyses of forensic meteorology investigations, meteorological input parameters development for use in hydrologic model calibration/validation, and rain-

on-snow melt calculations. Mr. Kappel has been a guest instructor at the University of Colorado in Colorado Springs and served as an on-air meteorologist for 10 years at various television stations across the country prior to joining AWA in 2003.

SECTION C: Licenses

AECOM currently has, in place, all of the licenses required by law to perform the work required by this contract. AECOM is a Resident of New Mexico certified business, License Number L0556265520. We hold a Contractor's license in New Mexico as well, number 6695, although we understand that the contract scope items related to engineering type services may not require NM Construction Contractor licenses. Additional information can be provided upon request.



SECTION D: Contractor Bonds

The requested scope is related to engineering services and not related to construction related services and as such a performance bond may not be required. AECOM maintains insurance policies that meet the requirements of the contract, but understands it is not required as part of the submission at this time.

SECTION E: Experience in Engineering / Architectural Services

With more than 20 years of experience in New Mexico, AECOM is a recognized leader in dam and reservoir engineering, having worked on more than 100 dams and water resources projects throughout the state. AECOM has extensive experience working with the City under an existing contract between URS and the City. AECOM has an outstanding reputation for competence and experience related to every aspect of risk assessment, planning, design, construction, modification, rehabilitation, enlargement, and environmental permitting for dams and reservoirs. We have provided design services for all types of dams and appurtenant structures, including earthfill, rockfill, RCC, concrete gravity, thin arch, spillways, and outlet works. AECOM is also a leader in dam safety, as demonstrated by:

- Providing training on dam safety issues (seepage, stability, inspection, etc.) for Association of State Dam Safety Officials (ASDSO) members under contract to ASDSO since 1994
- Having U.S. Society on Dams (USSD) board members on our staff for the past 20 years
- Having members of the Technical Advisory Committee of ASDSO on staff for the past two decades
- Development of a standard methodology for the risk assessment of dams that can be used to identify and prioritize actions to mitigate risk associated with existing structures for FEMA
- Performing activities as a "third party" reviewer for numerous private clients and state dam safety programs
- Numerous staff members are actively engaged in writing papers on projects and technical issues related to dams and presenting them at annual conferences for ASDSO and USSD.

Provided below are three past client references who can be contacted regarding the project and AECOM's experience in engineering services over the past five years. We encourage the City to contact these clients as a testament to our team's ability to complete projects of similar scope. Additional references can be provided upon request.

Project Name	Contact	Company	Address	Phone
1. Morphy Dam Rehabilitation	Harold Trujillo	President of Acequia de La Isla	805 Early Street, Suite 203 B, Santa Fe, NM 87505	575.447.2964
2. Santa Cruz Dam	Charles Thompson	OSE Dam Safety Bureau	5550 San Antonio Dr. NE, Albuquerque, NM 87109	505.383.4134
3. Bradner Reservoir Rehabilitation	Maria Gilvarry	City of Las Vegas	1700 N. Grand Avenue, Las Vegas, NM 87701	505.426.3310

SECTION F: Experience as an Engineering / Architectural Consultant

Project and Relevant Services Performed	1. Plan and Design	2. Environmental Assessment & Permitting	3. Bid Phase Services	4. Construction Phase Engineering Services	5. Construction Observation
Morphy Lake*	■	■	■	■	■
Santa Cruz*	■	■			
Bradner Reservoir*	■	■			
Los Alamos	■	■	■	■	■
Peterson Dam	■	■			
Bloomfield Dam	■	■	■	■	■
Pajarito Dam	■	■	DB Project	■	■

***Referenced Projects Described in this Section**

Provided in the table below are summaries of previous projects where services envisioned to be relevant to the City's projects were performed.

Our referenced feature projects, completed in New Mexico in the past five years – the Santa Cruz Dam Rehabilitation Project for the Santa Cruz Irrigation District, the Morphy Dam Rehabilitation Project for the Acequia de La Isla, and the Bradner Reservoir Rehabilitation Project for the City of Las Vegas – are highlighted below. **Our experience extends beyond the five year requirement, including projects such as Pajarito Dam for USACE, a fast track project where we completed the entire design of the dam in a summer season so that it could be constructed to prevent flooding.**

1. Morphy Lake Dam, Mora, NM

AECOM recently designed and obtained permits and funding for the rehabilitation of Morphy Lake Dam, which has storage capacity of 500 acre-feet, for the Acequia de La Isla and Acequia de La San Jose. The dam is approximately 25 feet high with a gated outlet works and an earth cut spillway located in the left abutment. Modifications were required to comply with OSE requirements with respect to dam stability deficiencies, and to correct unreliable outlet works operation. Modification alternatives were developed and evaluated such that a preferred alternative was selected. The preferred alternative comprised a new combined spillway and outlet works tower structure with an access bridge, outlet conduit replacement and a new energy dissipation structure to address flood capacity deficiencies, and a dam embankment raise and a downstream filter buttress to address seepage and stability deficiencies. Hydrologic, hydraulic, geotechnical, and structural analyses and design were undertaken. Currently, construction documents are being developed for the proposed modifications, with construction due to commence in October 2017.

2. Santa Cruz Dam, Santa Fe County, NM

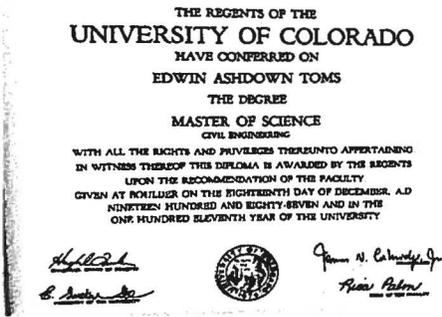
AECOM completed a Preliminary Engineering Report that evaluated potential alternatives for restoring lost storage capacity due to sedimentation of the Santa Cruz Reservoir. An eight-foot dam crest raise of the existing concrete dam and ogee spillway was selected as the preferred alternative. AECOM completed analysis of the selected alternative for the dam raise and abutment protection and prepared final design documents, which included design drawings, technical specifications, and a design report.

3. Bradner Dam, Las Vegas, NM

AECOM recently completed the permitting and submitted the final design for the rehabilitation of Bradner Reservoir, which has storage of 300 acre-feet, for the City of Las Vegas. The main dam is 70 feet high and the auxiliary dam is 40 feet high. A flood capacity upgrade was required to meet OSE requirements. AECOM evaluated alternatives for the rehabilitation and developed a preliminary engineering report to recommend the preferred alternative. The preferred alternative comprises a new ogee crest type spillway and a three-foot embankment raise to address the flood capacity deficiency and a new intake tower and access bridge. Hydrologic, hydraulic, geotechnical, and structural analyses and design were undertaken. Currently construction documents are being developed for the rehabilitation with construction due to commence in September 2017.

SECTION G: Documentation

The AECOM Team personnel have the education, certifications, and qualifications required to perform the work under this contract. Documentation of Ed Toms' (AECOM's Project Manager) New Mexico Professional Engineering license and Bachelor of Science certificate are included in this section. Additional information for team members can be provided upon request but space constraints led to us limiting the physical images of these items. **Registration/license numbers are provided in Section B**



Licensee Details

Demographic Information			
Title: Mr.	First: Edwin	Middle: A	Last: Toms, III Suffix:
DOB:	SSN: Gender: Male	POB:	
Citizenship Status:	Name: Edwin A Toms, III	Ethnicity:	Home State:
FEN:		MD #:	Type:
Address Information			
License Information			
DBA:			
Lic #: 12789	Profession: Engineers & Surveyors	Type: Professional Engineer	Secondary:
Status: Active	Issued: 7/14/1995	Expiry: 12/31/2017	Effective: 7/14/1995
Reason:	Date:	Renewed: 12/31/2015	Deg. Suffix:
Method: Endorsement	State:	Country:	LOA Issue:
Appealed:	Result:	Effective:	LOA Expiry:

as appropriate, as is the education for our key staff.

SECTION H: Cost

Specifics for project cost will be submitted and approved by the City prior to incurring any expense. As with the current contract between AECOM and the City, the cost of airfares, rental vehicles, lodging, business meals, parking fees, field supplied and other miscellaneous expenses will be invoiced at actual cost without a markup. Business associated mileage will be charged at the current approved rate (currently 58 cents) per mile without a markup.

SECTION I: Financial

AECOM is a global firm with a focus on designing, building, financing and operating infrastructure assets for organizations in more than 150 countries. As a fully integrated firm, we connect knowledge and experience across our global network of experts to help clients solve their most complex challenges.

A *Fortune 500* firm, AECOM had revenue of approximately \$17.4 billion during fiscal year 2016. We are financially stable and have a good credit rating with Moody's and SandP. Bank of America attests to our financial stability (see letter at right).

<p>Bank of America, N.A.</p> <p>October 31, 2016</p> <p>Re: AECOM</p> <p>To Whom It May Concern:</p> <p>This letter serves as a reference to AECOM (the "Company") and its subsidiaries.</p> <p>The Company has maintained a banking relationship with our bank since 1970. It is well known to us and has maintained its relationship with us in a satisfactory manner.</p> <p>In addition, Bank of America, N.A. is the Administrative Agent for a \$1,050 million secured credit facility provided to the Company by a group of lenders (the "Credit Facility"). This Credit Facility is not fully utilized. The availability of funds under the Credit Facility is subject to the conditions that (a) the Company not be in default under the terms of the Credit Facility and (b) the Company's representations and warranties contained in the agreement governing the Credit Facility be true and correct in all material respects as of the date of the borrowing.</p> <p>Please note that the information set forth in this letter is subject to change without notice, and is provided in strict confidence, without any responsibility or liability on the part of Bank of America, N.A., its affiliates or any of its or its affiliates' directors, officers or employees. Bank of America, N.A. undertakes no responsibility to update the information set forth in this letter.</p> <p>Very truly yours,</p> <p>BANK OF AMERICA, N.A.</p> <p>By: <i>Arti Dighe</i> Name: Arti Dighe Title: Vice President</p>	<p>Bank of America Merrill Lynch</p> <p>315 Montgomery Street, 6th Floor CA5-704-06-37 San Francisco, CA 94104</p> <p>Arti Dighe Vice President Wholesale Credit PH: (415) 913-4765 Fax: (415) 913-2355</p>
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SECTION J: Additional Information

Qualifications, Capacity, and Capability

The subsections below describe AECOM's qualification, capacity, and capabilities in the key dams and reservoir engineering services areas envisioned to be provided under the contract with the City.

Project Management

The three key measures of performance (cost control, schedule compliance, and quality of work) are the cornerstones of AECOM's repeat business. AECOM's customer-oriented approach encourages each employee to focus on the client's needs by being responsive, listening to and understanding the client, innovating to save time and reduce costs, keeping current with technology, and implementing continuous improvement. This subsection briefly describes basic project management procedures that will be applied to deliver our projects on time, within-budget completion, and with work that meets AECOM's high standards of quality. Ed Toms, our Project Manager, will have primary responsibility for the Project's timely and professional completion through the management approach described in this subsection.

Our management philosophy is embodied in the phrase "Plan the work and work the plan." The team will prepare schedules for the projects undertaken. At the beginning of each task, Ed will assign budgets, schedules, and work requirements to the technical leads and team members—we plan the work.

Ed will regularly review the progress of the work relative to the plan and will make adjustments in resource allocations as necessary to maintain budgets and schedules while still achieving the work requirements—we work the plan. The specific aspects of the major project management components are directed toward supporting this philosophy. The major components of the proposed management approach include the following: 1) Project Management Procedures, 2) Project Meetings, 3) Quality Assurance/Quality Control, 4) Schedule Control, 5) Cost Control, and 6) Progress Reporting.

Quality Management

Achieving an exceptional level of quality for a project will, above all, be the result of understanding expectations, establishing the project parameters, and executing the plan. We do this on every project we undertake by applying our Quality Management System (QMS).

AECOM's approach to quality follows the international standard for quality management systems, ISO 9001. What does this mean to the City? It means that AECOM will bring a world-class QMS that sets forth policies and procedures for maintaining quality while identifying areas of continual improvement, with the tools and means to confirm quality is achieved.

First, we will establish the Project Execution Plan (PXP). AECOM performs its work in the controlled manner described in the PXP. Verification and validation processes will check that the work conforms to the scope of work, the City's expectations, and the quality objectives. When the City authorizes a project, AECOM will conduct a kick-off meeting, after which we will document the detailed planning that was done in the PXP. The PXP is our primary planning tool and will be used throughout a project to guide the Project Team. As the project evolves, the Project Manager will revise and update the PXP.

The PXP is intended to be a tracking and communication tool that helps the Project Team more effectively execute a project. It will be developed with input from the City (as required), AECOM's Project Manager and the technical leads. The PXP provides the Management Team a living, working document to track the progress of the scope and will be used to confirm that the work is progressing according to the requirements of a project.

Geology and Geotechnical

The AECOM geology and geotechnical team assembled to support and serve the City of Las Vegas in their dams and reservoir projects include senior level geologists and engineers experienced in reservoir enlargements and rehabilitations and who 'think outside the box' in developing sound designs where cost limitations are often a deciding factor in selecting a preferred design. They are also leaders and mentors to the technical and support personnel required in effectively and efficiently serving the City.

AECOM's geology and geotechnical team experience is broad-based in terms of site characterization of new and existing project sites, and designs to meet challenging conditions and project needs. AECOM

uses up-to-date versions of AutoCAD and Civil-3D software in developing terrain models, layouts and earthwork, and quantities for use in preliminary budget-level and detailed construction cost estimates. Seepage and stability models would be completed using computer software programs such as SEEPW and UTEAXAS4. Preliminary and final geotechnical design evaluations will incorporate the most applicable method of analysis to model and evaluate site conditions and suitability of proposed geotechnical designs in meeting performance and safety requirements. AECOM is highly knowledgeable of the OSE Rules for the design and performance of safe dams regarding geologic, seismic and geotechnical issues and the overlapping hydrology and structural guidelines. Therefore, our approach to a project is developed to both best serve the City and to achieve the project needs through field and laboratory studies, and design analyses and evaluations that meet (or exceed if in the best interest of the City) OSE Rules. Subcontractors for field investigations and laboratory testing used for the Bradner Reservoir Rehabilitation Project are part of the AECOM Project Team.

Hydrologic and Hydraulic

Our team has decades of hydrologic and hydraulic modeling experience using a wide variety of tools and software on projects for local, state, and federal agencies. We understand the unique hydrology of the arid southwest and have specific and extensive experience in New Mexico.

For hydrologic modeling we use the latest technology and software tools within ArcGIS and HEC-HMS to create the most accurate representation of basin conditions and develop the most representative hydrologic model for each watershed. We use ArcGIS to efficiently process elevation, soil, and land cover data from public sources or customized datasets to calculate hydrologic parameters and streamline the HEC-HMS model setup.

We have extensive hydraulic modeling experience in analyzing waterways, floodplains, spillways and reservoir outlet works using spreadsheet based industry standard methods and software such as HEC-HMS, HEC-RAS, FLO-2D Pro and FLOW-3D (CFD). This enables us to select the appropriate tool for the job and correctly model the simplest or even the most complex hydraulic conditions.

The hydrologic and hydraulic modelling for the Bradner Reservoir Rehabilitation Project has already been completed under the current contract with the City. The rehabilitation project includes the demolition of the existing spillway and construction of a new spillway located on the left abutment of the main dam. To reduce the size of the new spillway a site specific Probable Maximum Precipitation (PMP) study, undertaken by Applied Weather Associates (AWA), was utilized to significantly reduce the spillway design flood. It is a strong possibility that the same approach will be utilized for the Peterson Reservoir Enlargement Project to minimize the design flood and therefore the size, and cost, of the new spillway.

Structural

Our structural engineers have successful experience on a broad range of projects, including safety evaluations and design of new or rehabilitation of existing concrete gravity dams (Conventional and RCC), concrete arch dams, and appurtenant hydraulic structures (intake towers, outlet works, and spillways). Guidelines provided in the American Concrete Institute's Code Requirements for Environmental Engineering Concrete Structures (ACI 350-06), the USACE's Strength Design for Reinforced Hydraulic Structures (EM 1110-2-2104), and U.S. Department of the Interior, Bureau of Reclamation's Guide to Concrete Repair (1996) will be adopted in the design and specification of new concrete structures and/or repairs/modifications of existing structures.

Cost Estimating

An important aspect of a project is to develop sound and defensible cost estimates that the City can use to support funding decisions with an acceptable degree of cost certainty. Our services include development of cost estimates, review of existing cost estimates, reviews of draft specifications, constructability reviews, and value engineering. These services assist design engineers and project owners in the development of project designs and budgets. Our construction cost estimates can be developed at the line item detail level, similar to cost estimates produced by contractors during the bid phase. This approach would typically include development of labor and equipment rates, construction schedule, comprehensive work breakdown structure, and research of material and specialty contractor costs. We provide review of project concepts and designs for general constructability. We look at a project from the viewpoint of a general contractor tasked with building the project. This review can include analysis of the construction schedule, draft specifications, site access, and efficiency, and can result in a

design that is more desirable to the project owner and general contractors bidding the project. We can develop cost estimates and construction plans for alternative components of a project, allowing the designers to compare the value of each alternative and make informed decisions during the design process, including considerations for risk during construction (i.e., change orders).

Cost estimates can be developed to capture potential construction risks. Ignoring these risks can lead to a project cost that may increase significantly through additional phases of design and result in a project that exceeds available funding. This potential escalation in project costs can be minimized by incorporating a constructability review and a risk assessment to identify the project-specific cost drivers and associated risks. These risks and the potential variability in the estimating approach can then be quantified using a range of anticipated values to evaluate the potential bounds of the project costs. When we provide an estimate, we consider how the City would use this information for budget planning and stakeholder acceptance. On the AECOM Team we have also included Dan Hertel (Engineering Solutions) to provide third party constructability and cost estimating review services. Dan is an experienced and respected cost estimator who was utilized on the current Contract with the City.

Construction

Experience is an important part of understanding construction projects, and the AECOM Team brings a wealth of construction management (including bid phase services and construction oversight experience to a project; not just with the technical leads, but with a depth of supporting professionals from several offices. These professionals include engineers, surveyors, geologists, and senior technicians—all with many years of experience on dam construction projects, who understand the construction management process. These projects have included new dams and rehabilitations and repairs to existing dams. Our experienced professionals know and understand the value of communications between all parties of a construction contract: owners, designers, and contractors and their subcontractors. Project controls such as document filing systems and proactive monitoring of schedule and budget are important tools that our staff has used successfully on previous projects. In line with our focus on quality, construction quality assurance/quality control processes during the progress of the work are essential in providing owners with the high-quality projects they expect. AECOM's detailed construction management experience and capabilities can be provided upon request.

Permitting

AECOM's in-house planning and permitting specialists work hand-in-hand with engineers and have successfully completed numerous projects similar to those being undertaken by the City, throughout New Mexico and the western United States. Advanced planning, comprehension of the potential environmental issues, and early coordination with agencies will facilitate the successful permitting of a project. The permitting technical lead, Andrea Parker, will coordinate closely with the engineers to assess a project's impact from an environmental perspective to minimize or avoid permitting requirements. AECOM routinely develops comprehensive permitting summaries for projects that identify the potential federal, state, and county regulatory requirements (e.g., lead times, fees, etc.) as well as the responsible party (e.g., City of Las Vegas or construction contractor) for obtaining the permits. This planning information is typically coupled with the engineering design and construction packages to monitor the schedule and key requirements for permit compliance. AECOM has qualified biological and cultural resources staff in-house that routinely work on dam and reservoir projects and possess the full range of capabilities needed to successfully permit a project.

Familiarity of the City of Las Vegas Utility and Infrastructure Systems

AECOM is familiar with the City (and its staff), and the City's reservoirs and the associated water treatment plant (WTP) and infrastructure, similar projects in New Mexico, with the OSE, and with the work completed under the current contract, provide AECOM with an advantage over its competitors with regard to the provision of the required services. Engagement of AECOM for the provision of these services will ensure a seamless transition between the existing and new contract with the City. This transition is crucially important as is the retention of project specific knowledge gained under the current contract. We look forward to further develop and bolster our working relationship with the City's staff and deliver projects that meet and exceed expectations.

Figure 2 shows the location of pertinent reservoir supply infrastructure that delivers flow diverted from the Gallinas River to Bradner, Peterson and Storrie Lake Reservoirs. Figure 2 also shows the location of the

City's WTP. Flow is diverted from the Gallins River Diversion Structure into a pipeline that then discharges to the Pre-Sedimentation Basin. Flow is then discharged from the Pre-Sedimentation Basin into a pipeline system that can be used to deliver flows to Peterson, Bradner or Storrie Lake Reservoirs. Raw water can then be supplied to the WTP from either of the reservoirs. Raw water can also be exchanged between the reservoirs via the existing pipeline system. It is noted that in some cases pumping is required to supply raw water to the WTP and to exchange water between the reservoirs.

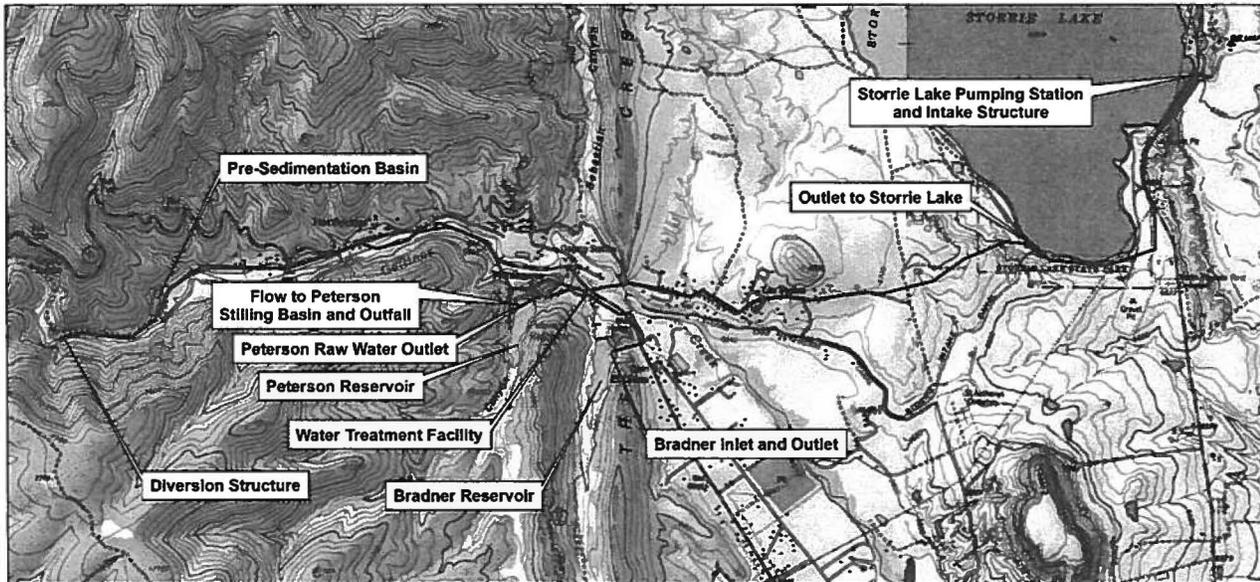


Figure 2 Location of Reservoirs, Supply Infrastructure and the WTP

The City owns and operates both Peterson and Bradner Reservoir and leases 1,200 acre-feet of storage in Storrie Lake Reservoir. Storrie Lake Reservoir is owned by the Storrie Project Water Users Association and has a storage capacity of approximately 22,900 acre-feet. Peterson and Bradner Reservoirs have an available storage capacity of about 210 and 300 acre-feet respectively. Bradner Reservoir is currently drained in preparation for construction of the Bradner Reservoir Rehabilitation Project that is due to commence in September 2017. It is understood that the primary focus of the services required to be provided under this contract will be mainly focused on the City owned dams and reservoirs but that services may also extend to Storrie Lake Reservoir and the infrastructure associated with the reservoirs (see Figure 2). Regardless of the services required to be provided, AECOM has the Project Team and the resources to meet with the City's needs.

Bradner Reservoir (Figure 3) was constructed in 1950. The reservoir is contained by a main dam and an auxiliary dam. The main dam is on the east side of the reservoir and has an uncontrolled, concrete spillway that is comprised of a broad crested weir, chute, and stilling basin. The main dam is approximately 70 feet tall, 280 feet long. The auxiliary dam is on the north side of the reservoir just south of the WTP. The auxiliary dam is approximately 45 feet tall, 270 feet long. The reservoir outlet works consist of a concrete intake structure and a concrete-encased, galvanized iron outlet conduit beneath the existing main dam. Beyond the existing main dam embankment, the conduit continues with a series of bends and valves in route to the WTP. This conduit is also used to fill the reservoir with water diverted from the Gallinas River.



Figure 3 Bradner Reservoir

The existing Bradner dam is classified as a high hazard dam according to OSE Rules. According to OSE Rules the existing Bradner dam spillway is inadequate as it cannot pass the design flood. The spillway deficiency is the primary driver for the Bradner Reservoir Rehabilitation Project. The final design for Bradner Reservoir Rehabilitation Project (overall plan) is shown as Figure 4. The main features of the project include:

- Upgrades to the existing outlet works consisting primarily of:
 - A new reinforced concrete intake tower with three intake gates and one guard gate
 - Manual and electric gate controls
 - A new intake tower access bridge
 - Slip-lining of the existing outlet conduit with a new steel conduit
 - A new isolation valve and associated vault on the existing outlet conduit just downstream of the dam
- Construction of a new spillway located on the left abutment of the main dam consisting primarily of:
 - An earthen approach channel
 - A reinforced concrete ogee crest, chute, and stilling basin
- Earthwork to raise the existing dam crests by three feet in a downstream dam raise configuration. The existing spillway will be demolished and removed as part of the Project.

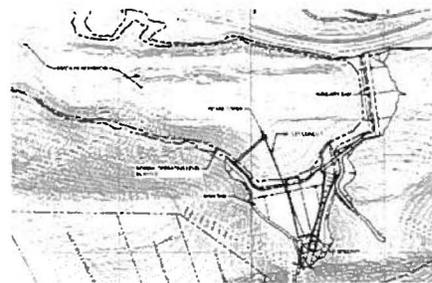


Figure 4 Overall Plan of Bradner Reservoir Rehabilitation Project

Peterson Dam (Figure 5), constructed in 1911, is a masonry arch dam and is approximately 50 feet high and 290 feet long, without a defined spillway. The Peterson dam was originally designed for subsequent extension 45 feet above its 50-foot height for additional storage capacity. The reservoir outlet works consist of a concrete intake tower, intake gates and an outlet conduit beneath the dam. Beyond the existing dam the conduit continues to the WTP. This reservoir is filled via a separate pipeline with water diverted from the Gallinas River. Per the OSE Rules Peterson Dam is classified as a high hazard dam.



Figure 5 Peterson Reservoir Dam

As a result of work done under the current contract with the City, Peterson Dam is envisioned to be required to be replaced. As part of the dam replacement the reservoir is also likely to be enlarged commensurate with a 10-foot raise to the existing reservoir normal operating level. A raise to the existing reservoir normal operating level is likely to be limited to 10 feet, as beyond that height the reservoir would likely encounter karst and "leaky" geologic features. The new dam is likely to be a concrete dam constructed of either RCC or conventional concrete.

Current Volume of Work with the Contracting Agency Less Than 75% Complete

AECOM's current volume of work that is less than 75% complete: None.

It is approximated that the final design portion of the Bradner Reservoir Rehabilitation Project is currently 90 to 95 percent complete. The current contract between the City and AECOM will expire before, or once, the new contract is agreed with the successful offeror. AECOM holds no other contracts with the City.

Other Contracting Agency Criteria

Public Meetings and Presentations: Successful public involvement is often critical to the successful implementation of engineering projects. Our public involvement facilitation on projects such as the Bradner Reservoir Enlargement Project reflects our experience in this area. Understandably, citizens are concerned about changes to their communities as well as fiscal costs and use of their tax dollars. Experienced AECOM professionals are available to provide public involvement support to the City, as needed. We are prepared to meet privately with concerned citizens or landowners as well as conduct high quality public meetings. We can provide high-quality supporting graphics and information in any number of formats, either as support to City staff, or in a lead role. For example, AECOM created a three dimensional flyover video that illustrated the potential enlargement of Bradner Reservoir that was presented and well-received at a public meeting for the project held in March 2014.

AECOM has the capability to develop a comprehensive public engagement effort to assure the City that they properly achieve their goals of informing community members, answering questions, listening to the public ideas and comments, and demonstrating how community input has been considered and becomes influential as a project moves forward. AECOM's approach will be developed in a collaborative manner with the City of Las Vegas to create an integrated approach that fully clarifies what the team seeks from community members. Effective public engagement begins with transparency, education, and guidance

that optimizes the value and influence of public input and generates a clear understanding of project requirements, technical issues requiring deliberation, alternatives and options worthy of consideration, and the process and basis for final decision making.

Proximity to the City of Las Vegas

AECOM maintains three offices in New Mexico and has performed multiple projects in the state over the past 20 years. Our team includes subconsultants located in New Mexico. The majority of the engineering services, other than those performed in New Mexico (meetings, site visits, site investigations, presentations, etc.), will be performed in Denver, Colorado at AECOM's offices at 6200 South Quebec Street, Greenwood Village, CO 80111.

Preference

AECOM is a certified New Mexico Resident Business.

SECTION K: Campaign Disclosure Form

We have completed and provide our response to the Campaign Disclosure form in this section. The first page of the form is provided to the right and the completed portion follows.

CAMPAIGN CONTRIBUTION DISCLOSURE FORM

Pursuant to Chapter 81, Laws of 2006, any prospective contractor seeking to enter into a contract with any state agency or local public body must file this form with that state agency or local public body. The prospective contractor must disclose whether they, a family member or a representative of the prospective contractor has made a campaign contribution to an applicable public official of the state or a local public body during the two years prior to the date on which the contractor submits a proposal or, in the case of a sole source or small purchase contract, the two years prior to the date the contractor signs the contract, if the aggregate total of contributions given by the prospective contractor, a family member or a representative of the prospective contractor to the public official exceeds two hundred and fifty dollars (\$250) over the two year period.

THIS FORM MUST BE FILED BY ANY PROSPECTIVE CONTRACTOR WHETHER OR NOT THEY, THEIR FAMILY MEMBER, OR THEIR REPRESENTATIVE HAS MADE ANY CONTRIBUTIONS SUBJECT TO DISCLOSURE.

The following definitions apply:

"Applicable public official" means a person elected to an office or a person appointed to complete a term of an elected office, who has the authority to award or influence the award of the contract for which the prospective contractor is submitting a competitive sealed proposal or who has the authority to negotiate a sole source or small purchase contract that may be awarded without submission of a sealed competitive proposal.

"Campaign Contribution" means a gift, subscription, loan, advance or deposit of money or other thing of value, including the estimated value of an in-kind contribution, that is made to or received by an applicable public official or any person authorized to raise, collect or expend contributions on that official's behalf for the purpose of electing the official to either statewide or local office. "Campaign Contribution" includes the payment of a debt incurred in an election campaign, but does not include the value of services provided without compensation or unreimbursed travel or other personal expenses of individuals who volunteer a portion or all of their time on behalf of a candidate or political committee, nor does it include the administrative or solicitation expenses of a political committee that are paid by an organization that sponsors the committee.

"Contract" means any agreement for the procurement of items of tangible personal property, services, professional services, or construction.

"Family member" means spouse, father, mother, child, father-in-law, mother-in-law, daughter-in-law or son-in-law.

"Pendency of the procurement process" means the time period commencing with the public notice of the request for proposals and ending with the award of the contract or the cancellation of the request for proposals.

"Person" means any corporation, partnership, individual, joint venture, association or any other private legal entity.

"Prospective contractor" means a person who is subject to the competitive sealed

proposal process set forth in the Procurement Code or is not required to submit a competitive sealed proposal because that person qualifies for a sole source or a small purchase contract.

"Representative of a prospective contractor" means an officer or director of a corporation, a member or manager of a limited liability corporation, a partner of a partnership or a trustee of a trust of the prospective contractor.

DISCLOSURE OF CONTRIBUTIONS:

Contribution Made By: AECOM PAC or AECOM Corporate
 Relation to Prospective Contractor: PAC; no personal relationship to project team
 Name of Applicable Public Official: See matrix below
 Date Contribution(s) Made: As detailed in matrix below
 Amount(s) of Contribution(s) Varies
 Nature of Contribution(s) AECOM PAC
 Purpose of Contribution(s) Support
 (The above fields are unlimited in size) _____



 Signature
 Vice President

 Title (position)

July 28, 2017

 Date

We understand that there is a new Campaign Contribution form and would be happy to complete the new form upon contract award if requested.

Date	Candidate	Amount	State	By
7/18/2017	U.S. Senator Martin Heinrich	\$1,000	NM	AECOM PAC
7/18/2017	Congressman, Ben Ray Lujan	\$4,000	NM	AECOM PAC
2/15/2017	U.S. Senator Martin Heinrich	\$1,000	NM	AECOM PAC
2/24/2016	U.S. Senator Martin Heinrich	\$1,000	NM	AECOM PAC
9/29/2016	U.S. Senator Martin Heinrich	\$1,000	NM	AECOM PAC
10/25/2016	U.S. Senator Martin Heinrich	\$1,000	NM	AECOM PAC
11/15/2016	2016 Better Bernalillo County Bond Committee	\$500	NM	AECOM
10/26/2015	Governor Susana Martinez [Susana PAC]	\$1,000	NM	AECOM PAC

ORIGINAL

Opening No.: 2018-2

**Engineering Services for
*Dams and Reservoirs***

August 1, 2017



Bohannon  Huston

7500 Jefferson Street NE
Albuquerque, NM 87109
505.823.1000
www.bhinc.com

OFFEROR INFORMATION

OFFEROR: Bohannon Huston, Inc.

AUTHORIZED AGENT: Craig Hoover, PE

ADDRESS: 7500 Jefferson Street NE, Albuquerque, NM 87109

TELEPHONE NUMBER (505) 823.1000

FAX NUMBER (505) 798.7988

DELIVERY: 7500 Jefferson Street NE, Albuquerque, NM 87109

STATE PURCHASING RESIDENT CERTIFICATION NO.: L1249639376

NEW MEXICO CONTRACTORS LICENSE NO.: N/A

SERVICE (S): **ENGINEERING SERVICES FOR DAMS AND RESERVOIRS.**

THE CITY OF LAS VEGAS RESERVES THE RIGHT REJECT ANY OR ALL PROPOSALS AND TO WAIVE ANY TECHINCAL IRREGULARITY IN THE FORM.

AFFIDAVIT FOR FILING WITH COMPETITIVE PROPOSAL

STATE OF New Mexico }

COUNTY OF Bernalillo } ss }

I, Craig Hoover of lawful age, being of first duly sworn in oath, say that am the agent authorized by the offerors to submit the attached proposal. Affiant further states that the offeror has not been a party to any collusion among offerors in restraint of freedom of competition by agreement to a fixed price or to refrain from submitting a proposal; or with any city official or employee as to the quantity, quality or price in the prospective contract, or any other terms of said prospective contract; or in any discussion between offerors with any City official concerning an exchange of money or any other thing of value for special consideration in the letting of a contract.

Craig Hoover
Signature

Subscribed and sworn to before me, this 31st day of July, 20 17.



OFFICIAL SEAL
(SEAL)
KATHI COWHAM
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: June 3, 2020

Kathi Cowham
Notary Public Signature

My Commission Expires: June 3, 2020

Introduction

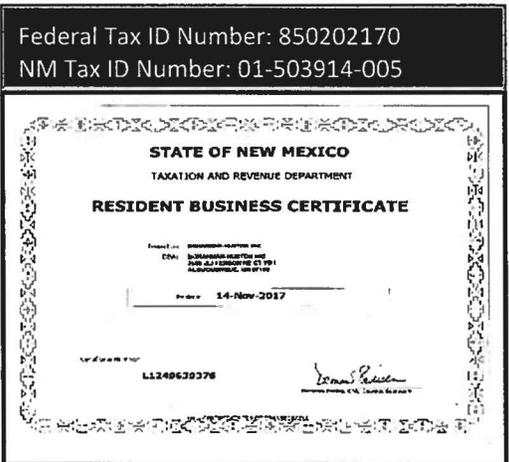
The City of Las Vegas owns and operates a robust water system composed of many water sources, storage reservoirs, and conveyance facilities. Having multiple sources of water (including the Gallinas River and Storrie Lake Diversion Structures) and multiple storage reservoirs (including Bradner and Peterson Dams, as well as Storrie Lake) creates dynamic water operation challenges in terms of maximizing system efficiency and optimizing control of raw water storage and delivery. Our team understands the importance of each element of a water system such as yours. Our ability to offer a full suite of services in-house—including civil design, architectural, structural, mechanical, electrical, plumbing (dam appurtenances), funding, and construction observation and inspection—augmented with high-quality subconsultants for environmental and geotechnical services provides the City of Las Vegas with a one-stop solution for all your dam and reservoir needs. Further, our team has extensive experience working with the Office of the State Engineer (OSE) Dam Safety Bureau (DSB) on a wide variety of dam-related work, ranging from studies to modifications of existing dams including OSE DSB submittals and permitting, risk assessments, O&M Manuals, and more. BHI currently holds an on-call contract with the OSE DSB for this type of work.

As we demonstrate in our proposal, the BHI team provides the City with a diverse, experienced, and primarily local on-call engineering services provider that will be responsive to your needs. We will be steadfast partners to the City in funding, planning, implementing, and setting up operations for this multi-faceted water system. **We have invested time to meet with City staff to better understand your needs, and we believe this knowledge, along with our expertise and experience, makes us the logical choice for this on-call contract.**

Section A. Offeror's Identification

Designing the future of New Mexico since 1959, Bohannon Huston (BHI) is a **New Mexico Resident Business** (Certificate # L1249639376) and **locally founded for-profit corporation** that has become a regionally recognized service provider. We take pride in working with clients to **visualize** projects, **optimize** resources, and **realize** the best solutions. We serve both public and private clients, specializing in the fields of Engineering, Spatial Data, and Advanced Technologies. Currently, we are more than 195 employees strong with our main office located in Albuquerque and branch offices in Las Cruces and Denver.

BHI is proud to have been recently selected by the City of Las Vegas to provide Natural Gas Distribution System planning and engineering services. However, we have no **Current Work with the City**. Though not in immediate **Proximity to Las Vegas**, our Albuquerque offices are just a quick, 90-minute drive away, which will provide the City with rapid access to our complete team of water resource experts.



Subcontractors



RJH Consultants, Inc., is a water resources engineering firm specializing in the evaluation and design of dams, including geologic and geotechnical services. RJH's focus at all stages of a project is to minimize study-related efforts and focus on advancing solutions that lead to obtaining permits and ultimately construction. RJH is unique in that water resources projects are its sole focus which enables RJH to better focus its efforts, effectively resolve issues, and advance and construct projects. **Recent dam projects include Antero Dam Rehabilitation (Park County, Colorado) and Cabresto Dam (Taos County, NM).**

Since its founding in 2005, RJH has consistently delivered excellent technical services for projects that range from relatively small engineering studies, to large, multi-disciplined design and construction of water resource projects. During the past 5 years, RJH has performed engineering and design on over 70 water resource projects, dams, and various heavy civil engineering projects. Based on prior experience with the New Mexico Interstate Stream Commission (ISC) and New Mexico Office of the State Engineer (OSE), RJH understands the preferred processes of scoping, negotiating, delivering work products, invoicing, resolving issues, closing out projects, and submitting required forms and paperwork.



Miller Geotechnical Consultants (MGC) is a small, certified women-owned consulting practice incorporated in 2006 in Colorado. MGC President, Debora Miller, PhD, PE, is a geotechnical engineer with over 34 years of experience specializing in embankment dam engineering. MGC projects are primarily located in the Rocky Mountain and southwestern regions of the U.S. Because the consequences of failure of a dam may be catastrophic, major dams are now generally subject to independent peer review of their design and construction. MGC currently offers services for independent design reviews, facilitation of potential failure modes analysis (the first step in dam-safety risk analysis), and geotechnical consultation on embankment dams and other

projects with geotechnical challenges. MGC's dam experience includes the Springer Dam No. 1 and No. 2 Rehabilitation, Cabresto Dam Emergency Seepage Mitigations, and dam projects for the Wyoming Water Development Commission.



Marron and Associates, Inc., (Marron) is a woman-owned New Mexico consulting firm with expertise in ecological and human risk assessment, environmental analysis, environmental and biological documentation, environmental regulatory compliance, environmental oversight and monitoring, permitting, and resource and environmental planning. Marron is registered as a Disadvantaged Business Enterprise (DBE) with the New Mexico Department of Transportation (NMDOT). Marron's staff has a thorough understanding of federal,

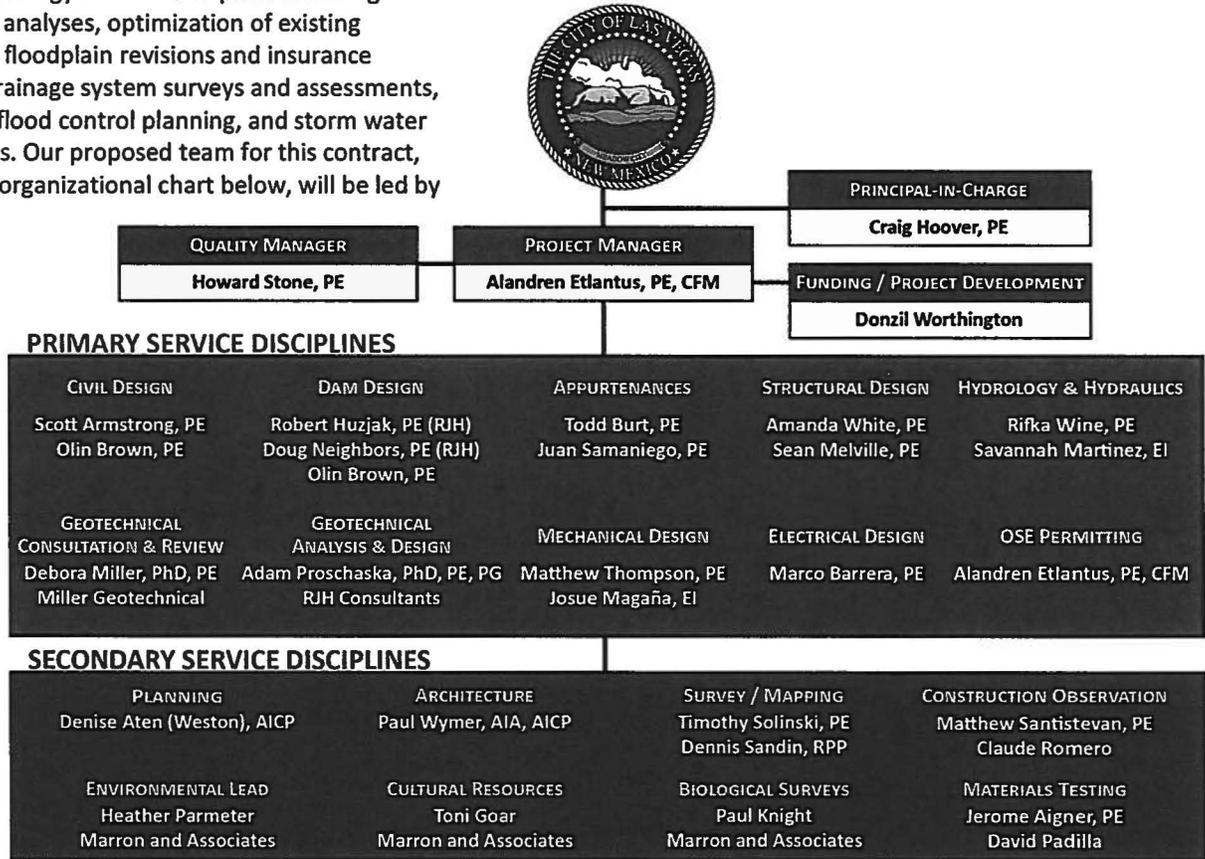
tribal, state, and local laws, regulations, and policies that govern the environmental process and land use planning. Marron's projects have involved environmental clearances for drainage, flood control, general infrastructure maintenance and repair (including dams, levees, and ditches), and drainage improvement projects. Recent projects include Gallinas Diversion Structure, Saratoga and SLO Dam Improvements for SCAFCFA, Foothills Development at Pino Dam, Lakewood Detention Facility, and the Sego Dam Wetland Mitigation project.

Staff Responsibilities and Lines of Authority

For more than four decades, BHI has provided dam and reservoir analysis and design, flood control planning studies, and storm drainage system design. Our experience and resources allow us to successfully complete drainage plans and designs for projects large and small. We provide high-quality surface hydrology services and plans including rainfall and runoff analyses, optimization of existing drainage facilities, floodplain revisions and insurance studies, existing drainage system surveys and assessments, flood routing and flood control planning, and storm water treatment analyses. Our proposed team for this contract, highlighted in the organizational chart below, will be led by

Craig Hoover as Principal-in-Charge and Alandren Etlantus as Project Manager. We will provide the full range of water resources expertise and a complete suite of support services to execute any task orders under this contract.

Drainage is the hallmark area of our water resource expertise.



Authorized Contact

Craig Hoover, PE, is BHI's authorized contact for preparing and executing the contract for this work.

Section B. Personnel Experience

With BHI, you can count on having a dedicated team of experts at your service for your dam and reservoir engineering needs. The following key team members will work with you as project assignments are made to evaluate and optimize your reservoirs, providing sustainable infrastructure for the community water supply.

Key Personnel Qualifications

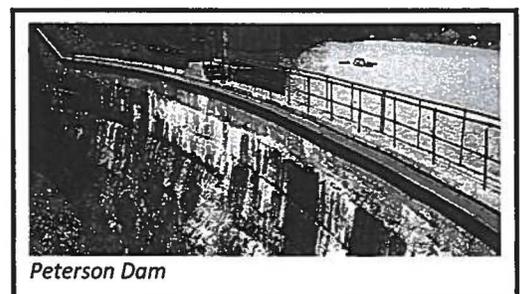
Principal-in-Charge	Craig Hoover, PE		
		<ul style="list-style-type: none"> • 30 years experience • PE: NM #11848 • MS Civil Engineering (H&H) • BS Civil Engineering • New Mexico Watershed and Dam Owners Coalition: Past Chairman of the Board 	<p>A recognized leader in the Water Resources community, Craig has focused his career on storm water management. His experience has involved watershed analysis, storm water runoff modeling, storm water quality system design, floodplain mapping, dam design, sub-critical and supercritical flow analysis, arroyo and bank stabilization, and the design of hydraulic structures. Craig has designed several dam and storage structures including the Black Arroyo and Las Ventanas Dams. He led BHI's Gila River project for the NMISC.</p>
Project Manager	Alandren Etlantus, PE, CFM		
		<ul style="list-style-type: none"> • 10 years experience • PE: NM #19995 • Certified Floodplain Manager: #NM-13-00335 • MS Hydraulics and Water Resources, Civil Engineering • BS Civil Engineering 	<p>Alandren has been leading stormwater analysis, planning, and design; FEMA map revisions; and emergency planning projects for both public and private clients. Her excellent analysis skills, combining strong GIS expertise with a refined understanding of hydrology and hydraulics, have enabled her to produce plans, reports, inundation maps, and floodplain studies that lead to effective solutions for challenging reservoir projects. Alandren has led several dam projects including the PNM San Juan Power Generation Dam analysis, and PNM Evaporation Ponds analysis and design.</p>
Appurtenances	Todd Burt, PE		
		<ul style="list-style-type: none"> • 18 years experience • PE: NM #16654 • MS Hydrology • BS Environmental Engineering 	<p>Todd's expertise includes reservoir, pipeline, and booster pump station projects. He applied his hydraulic knowledge to lead the development of the pipeline conveyance structures associated with the intake structure design at the Nichol and McClure Reservoirs in Santa Fe. Todd worked closely with the OSE to address comments on the submittals, clarify items, and resolve issues in a timely manner.</p>
Civil Design	Scott Armstrong, PE		
		<ul style="list-style-type: none"> • 23 years experience • PE: NM #15782 • Post-Grad: Civil Eng. • MS Environmental Engineering • BS Biological Sciences • American Society of Dam Safety Officials 	<p>Scott brings significant experience in the areas of hydrologic and hydraulic modeling, reservoir/dam analysis and design, stream bank stabilization, natural channel design, roadway drainage, sedimentation pond design, and hydraulic design of bridges. He is proficient in HEC-HMS, HEC-RAS, and ArcGIS and is well versed in FLO-2D. Scott led the design of the coffer dam and various appurtenances as part of the Bonito Lake Dam project.</p>
Hydrology & Hydraulics	Rifka Wine, PE		
		<ul style="list-style-type: none"> • 10 years experience • PE: NM #21823 • Certified Floodplain Manager: #NM-12-00318 • BS Civil Engineering 	<p>Rifka's experience includes a broad range of flood control throughout New Mexico including the Montoyas Sportsplex Dam. Using GIS, she efficiently processes surface, soil, and land use data to characterize watersheds for hydrologic analysis on various drainage and flood control projects. She employs GIS to evaluate alternatives and prioritize projects for implementation.</p>

Funding / Project Development	Donzil Q. Worthington		
		<ul style="list-style-type: none"> • 40 years experience • University Studies • Successfully assisted New Mexico communities in obtaining \$26M in funding over the last 4 years, including \$6.6M grant for the Springer Dam Rehabilitation 	<p><i>Donzil Worthington brings four decades of infrastructure design & construction experience, in addition to a solid track record of New Mexico-specific infrastructure funding success. In previous employments he was the Project Manager for the Springer Dam Rehabilitation Construction Project, and Corner Canyon Dam in Utah. At the Bureau of Reclamation, Central Utah Projects, Donzil was a Contracts Administrator on the Upper Stillwater (RCC) Dam, Jordanelle Dam Abutments Prep, Current Creek Dam Repair, and Taskeech Dam Maintenance.</i></p>
Senior Dam Engineering Review	Debora J. Miller, PhD, PE		
		<ul style="list-style-type: none"> • 34 years experience • PE: NM #15484 • PhD, MS, and BS Civil Engineering (Geotechnical) • First woman elected to the U.S. Society on Dams Board of Directors • Instructor for continuing education courses for ASDSO 	<p><i>Deb is a dam engineering specialist. For over 30 years, she has served as the lead geotechnical designer for new dams and for projects that correct dam safety deficiencies and keep existing dams in service. Her assignments are often located in very challenging geologic settings. Deb is the Engineer-of-Record for designing the Springer NM Dam Rehabilitation Project that completed construction in 2016. Deb also led a collaborative effort among the OSE, U.S. Forest Service, and local emergency responders to develop and implement temporary seepage mitigation measures for the Cabresto Dam.</i></p>
Dam Design	Robert Huzjak, PE		
		<ul style="list-style-type: none"> • 35 years experience • PE: New Mexico #13725 • MS Civil Engineering • BS Civil Engineering Tech. • Member of ASCE, ASDSO, CAGE, CWC, CRWA, USSD 	<p><i>Bob specializes in leading planning, development, permitting, design, and implementation of water storage and supply projects. He has been instrumental in the successful planning and implementation of dozens of water storage and supply projects.</i></p>
Geotechnical Analysis & Design	Adam Prochaska, PhD, PE, PG		
		<ul style="list-style-type: none"> • 11 years experience • PE: Colorado #44966 • PhD Geotechnical Engineering • MS Geotechnical • BS Civil Engineering 	<p><i>Adam has a decade of experience in evaluating complex geological issues related to evaluation, design, construction, and rehabilitation of dams and appurtenant structures. As a licensed professional engineer and professional geologist, Adam brings an understanding of both geology and geotechnical engineering to projects.</i></p>

Experience with City of Las Vegas Utilities Systems

Since BHI has not worked extensively with the City of Las Vegas in the recent past, we invested time and resources to ensure familiarity and intimate understanding of the scope of service for this City of Las Vegas Dams and Reservoir Engineering On-call Services RFP. Representatives from BHI met with the City of Las Vegas Water Treatment Plant Operator, Don Cole, and Utilities Project Manager, Marvin Cordova. We were fortunate to be able to visit and discuss the following water system facilities:

- Bradner Dam and Reservoir
- Peterson Dam and Reservoir
- Peterson Dam – Flow Measuring Facility
- Gallinas Diversion Structure
- Gallinas Sedimentation Pond
- Ice skating Pond Facility
- Gallinas Meter Facilities and new Point of Diversion Site



These on-site discussions with key City Staff helped augment our current familiarity with the City Water Utility Systems and provided a basic understanding of the City's needs and expectations for on-call engineering assistance regarding these critical water system features.

Bradner Dam and Reservoir: At present, Bradner Reservoir is drained and, therefore, not currently in service. The City has consultants on board that have completed design for rehabilitation of the dam, EAP, O&M Manual, and new dedicated fill pipeline. The dam rehabilitation work is anticipated to include embankment rehabilitation, reservoir expansion, spillway replacement, erosion and rodent control improvements, as well as associated access, monitoring, and operations improvements. Reservoir expansion is restricted due to lack of area available upstream due to wetlands and land availability. It is anticipated to advertise for construction next month with the goal of completion in 2018. However, potential on-call support services may be of value related to services to the pending new pipeline to the Peterson Reservoir, operational issues, and reservoir rehabilitation support.

Peterson Dam and Reservoir: Peterson Dam is a concrete dam constructed in 1911. It has been the subject of ongoing studies and concern due to leakage, silting, structural concerns, and inadequate spillway capacity for decades. Projects over the last 30+ years have resulted in various improvements including drilling and pressure grouting the dam from the crest in addition to injection of an epoxy sealer from the upstream face, all with the intention to reduce leakage through the dam. Improvements to the dam flow measuring facility and valving have taken place along with improvements implemented to capture water escaping the dam. The outlet works slide gates are the original units with an 1895 patent date and are still functional and in operation. Vegetation removal on the dam, near the dam, at the edges of the reservoir, and in the spillway channel have been ongoing as a part of routine maintenance. Over recent years, the clarity of the water impounded by this dam has supported substantial organic loading due to the water's clarity and sunlight penetration. Recent efforts to introduce more turbid Storrie Lake water into the reservoir and mixing with the clear reservoir water has resulted in significant operational improvements due to reduced algae growth.

While expansion has been investigated, the dam crest cannot be raised further due to the identification of karst topography features approximately 3' above the current maximum pool elevation. This precludes expansion of the reservoir capacity by raising the maximum pool elevation. Due to the cost of repair/rehabilitation in the current state of deterioration and aging of the structure, the City is interested in potential replacement of the dam with a new structure. It is anticipated that as soon as the Bradner Reservoir construction is complete and operational, preparing for removal and reconstruction of Peterson Dam will commence.

Gallinas Diversion Structure: The Gallinas Diversion Structure has been effective at capturing raw water as an important water source for the City's drinking water system. However, a recent 2015 flood event resulted in substantial silt and debris deposition in the channel immediately upstream of the diversion. Additionally, debris has damaged a gate operator stem at the south end of the structure and the gate mechanism at the midpoint of the diversion is damaged and cannot be operated without assistance to physically lift the gate while turning the operator lug. An additional operational issue is calcification of the screens necessitating periodic cleaning to maintain the efficiency of the diversion structure. These issues are items of interest and repairs or improvements that would reduce operations challenges and increase efficiency of this critical structure are of interest to the City.

Skate Pond: The "Ice-Skating Pond" is a small impoundment that was developed as an ice manufacturing facility in early periods of the Montezuma/Las Vegas development. Ice was manufactured, cut, distributed, and in some cases shipped by Rail from this facility for local and regional use. Since that time the original diversion and associated facility was replaced by a smaller non-jurisdictional dam of approximately 10' in height. The pond is now used locally for ice-skating in the winter, and the City has an interest in improving the facility and increasing its capacity for both water storage and recreation use. Immediately downstream of the dam structure are more recently constructed improvements consisting of a flow meter and valving including a connection for an anticipated new point of diversion. Past subsurface investigation by consultants identified an approximately 2' thick zone of sub-surface water flowing at approximate 2 cubic feet per second, located approximately 9' below the ground surface elevation. Water quality tests indicate high water quality matching that of the water captured at the diversion upstream. The City intends to design and construct an infiltration gallery at this location to capture this additional source water and connect to already constructed point of diversion infrastructure.

These individual sources of water create a dynamic water operations challenge in order to maximize efficiency and optimize control of raw water storage and delivery. An on-call engineering services provider like Bohannon Huston offers the City a broad resource team that can respond promptly with a high level of technical resources and administrative support. **We will be steadfast partners to the City in funding, planning, implementing, and setting up operations for this multi-faceted water system. BHI is invested in developing deep familiarity with the City of Las Vegas's dams and reservoirs system to maximize our value to Las Vegas!**

Section C. Licenses

BHI staff maintain appropriate licenses for all services to be performed under this contract. Copies of the Professional Engineering licenses for key staff are included in *Section G: Documentation*. Team licenses can be verified on the website for the New Mexico Board of Licensure for Professional Engineers & Professional Surveyors: www.sblpes.state.nm.us/.

Section D. Contractor's Bonds

In previous conversations, the City stated that a performance bond would not be required for engineering services to be completed, but that was instead a contractor requirement. BHI has generally never been required to provide a performance bond for consulting services, but this can be addressed during negotiations of the contract.

Section E. Experience in Engineering / Architectural Services

The BHI team brings an exceptional **Past Record of Performance** on previous dam and reservoir projects around New Mexico and Colorado. We have discussed several of these projects below and included the client references who are familiar with our work.



Bonito Lake Rehabilitation

Relevance:

- OSE permitting for dam modifications
- Intake structure rehabilitation – including new valving, a new access catwalk to 71' tall intake tower, and modifications to the tower to install three new inlet ports
- Modification to and/or replacement of dam pipe drain systems and valves within the reservoir control structure to better facilitate transfer of water to the City of Alamogordo
- Sediment & debris removal to restore storage volume
- Bypass flow diversion design using 48" pipe
- Lake draining
- Cofferdam design sized for the 5-year design flow
- Dam face repairs to mitigate cracking, spalling, and delamination
- Erosion control and inlet channel drop structure design to minimize future reservoir sedimentation

Client:

City of Alamogordo

Contact:

Bob Johnson: 505.439.4100



Bathymetric survey points at Bonito Lake

The 2012 Little Bear Fire had devastating impacts to Lincoln County, and Bonito Lake was at the epicenter of it all. The fire scorched the landscape surrounding the lake, and heavy rains then swept massive amounts of ash and debris into the reservoir, rendering it unusable.

The BHI-led team assessed the options for sediment removal, approximately 600,000 cubic yards, and determined an efficient, effective approach for the City to implement. Additionally, the team provided a full range of engineering expertise to design the necessary site infrastructure, prepared the surrounding area for removal activities, and made sure that the reservoir was protected in the event of future catastrophic fires.

PNM On-Call Engineering Dam Services

Relevance:

- Evaluation and documentation for existing cooling water dam.
- Design of water intake line into dam
- Evaluation, documentation, and design of closure of jurisdictional evaporation ponds
- OSE permitting for dam modifications

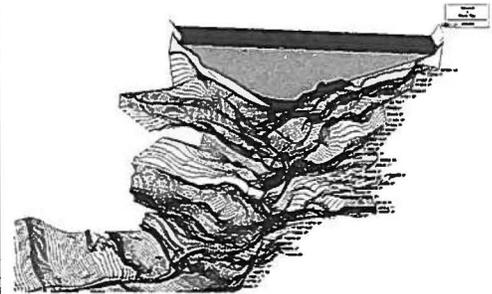
For over 10 years BHI has provided on-call engineering services for PNM's San Juan Power Generation Station's facilities. We have completed several projects on jurisdictional dams at the station, including our work on the San Juan Generation Station Dam, an earthen embankment dam that continuously impounds the coolant water for the Generating Station in northwest New Mexico. The dam stores a maximum of 3,285 acre-feet of storage measured at the dam crest, with a maximum operating pool of 2,610 acre-feet. Our team developed hydrologic and hydraulic analysis of the dam and existing spillway, created an EAP for the facility, created an O&M for the facility, and designed a new 42" intake line to bring water from the San Juan River to the dam. Our team also evaluated the design of the existing evaporation ponds at the generating station and designed the closure of the north evaporation ponds 1-3.

Client:

Public Service Company of New Mexico

Contact:

Alan Benefiel: 505.598.7818



San Juan Power Generation Station dam breach scenario

Gila River Diversion, Conveyance, and Storage Study

Relevance:

- Holistic evaluation of new water system including river diversion, storage (new dams and reservoirs), and conveyance to provide up to 12,000 acre-feet of water per year
- Hydrologic and hydraulic analysis, sizing, and planning-level design of multiple new dams and reservoirs
- Assessment of gravity and pressure pipe conveyances including pump stations
- Coordination with OSE DSB and the Bureau of Reclamation
- Public meeting presentations
- Cost estimating

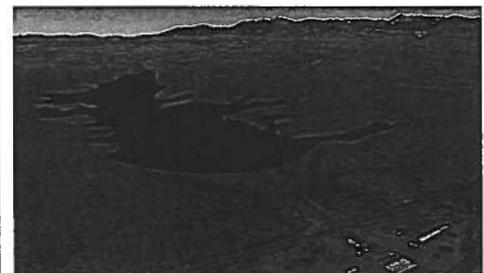
BHI was contracted under our on-call contract to complete a planning-level study for the Gila River. The purpose of the study was to identify and recommend locations for diversion, conveyance, and water storage along the Gila River between Turkey Creek and Mangas Creek, including the Cliff-Gila Valley in Grant County. The ISC requested that BHI focus on the synergy between protecting the environment and developing water storage for future needs. Key aspects of the work included the following:

Client:

New Mexico Interstate Stream Commission

Contact:

Ali Effati: 505.827.5801

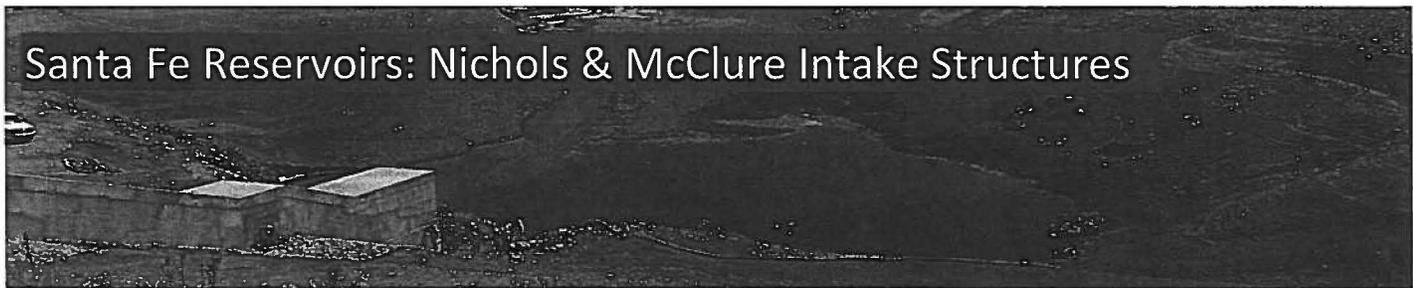


Rendered aerial view (above) of potential Winn Canyon dam/reservoir (also shown at top from road level)

Storage Assessment: The BHI team evaluated over 30 potential canyons considering a myriad of factors including geological and geotechnical considerations, topography, hydraulic constraints, and others narrowing the field ultimately to four canyons. These canyons were seen as the most suitable for construction of dams while also meeting the hydraulic constraints of the system to provide a total water storage capacity of at least 65,000 acre-feet of water and produce an annual safe yield of 10,000 to 12,000 acre-feet. The evaluation of storage sites included a Probable Maximum Precipitation hydrologic model using HEC-HMS for each dam site to size the emergency spillway in accordance with OSE-DSB Rules.

River Diversion Assessment: The BHI team evaluated multiple potential diversion types—such as infiltration galleries, Ranney Wells, Cross Vane Weirs, and low-profile concrete weirs—considering hydraulics, environmental impacts, access, operations and maintenance, costs and other factors. The BHI team completed a geomorphologic study of the river from Turkey Creek to a point approximately 2.3 miles downstream as part of the selection of the preferred diversion point for a gravity-based system.

Conveyance Assessment: BHI evaluated a variety of conveyance options including open channels, tunnels, and closed conduit pipes. Ultimately, open channel conveyances were eliminated due to high environmental impact and cost. In lieu a 108" diameter tunnel, conveyance from the diversion to the first storage/sedimentation reservoir was recommended. In addition, we developed hydraulic models to evaluate over 12 miles of 48" to 78" diameter pipe interconnecting the storage reservoirs.



Santa Fe Reservoirs: Nichols & McClure Intake Structures

Relevance:

- Improved the safety when accessing the structures
- First fully dry, accessible, and remotely controlled intake/outlet works in the United States

High in the mountains, 3 miles northeast of Santa Fe, are two extremely important drinking water supply reservoirs: Nichols and McClure. Both reservoirs, which are more than 80 years old, were in good structural condition but poor operational condition. Each reservoir volume was controlled by tall intake towers that were accessible only by boat and a long climb up an unrestrained ladder. The water release was controlled manually by actuators at the tops of both towers that operated leaking and failed valves deep in the core of the tower.

It was determined that the towers were seismically inadequate and that the age of the structures significantly reduced the life of any control upgrades that might be done. BHI evaluated several replacement intake tower options and recommended inclined intake towers. These greatly improved the safety when accessing the structures. Additionally, water is run through the system via gate valves and piping, resulting in a dry inclined structure. The outlet works are now controlled by easily-accessible control panels just inside Kevlar-reinforced doors at the top of the dams for added security.

The new intake structures are some of the first fully dry, accessible, and remotely controlled intake/outlet works in the United States. The new systems now allow the City to operate both reservoirs from their Water Treatment Plant at much tighter precision, resulting in less water waste and greatly improved safety for their employees.

Client:

City of Santa Fe

Contact:

Robert Jorgensen: 505.955.4265



New intake structure at McClure reservoir



Montoyas Sportsplex Dam

Relevance:

- Full hydrologic and hydraulic modeling including dam breach inundation mapping and preparation of EAP
- Specialized spillway analysis and design that saved SCAFCFA over \$500,00
- O&M Plan

Client:

Southern Sandoval County Arroyo Flood Control Agency

Contact:

David Stoliker: 505.850.2222

The Montoyas Sportsplex Dam serves as the largest flood control facility in SCAFCFA's jurisdiction and prevents flooding and improves water quality along the Montoyas Arroyo and Rio Grande. BHI was contracted to design the new dam, with our scope of work including watershed studies, field data acquisition, hydrologic and hydraulic analysis and design, FLO-2D and HEC-RAS modeling, GIS-based inundation mapping, conceptual design, public meetings, preliminary and final design, permitting (including 401 and 404 permits), coordination with agencies, and preparation of an EAP and the O&M Plan for the project.

A unique aspect of this facility is the incorporation of a Water Quality Feature (WQF). BHI developed the concept for the WQF, which includes a drop structure diverting the entire Montoyas Arroyo into the WQF, grading to establish a pond which removes sediment, a ported intake tower designed to remove floatable debris, two 48" outlet pipes to pass the first flush, a flood pool drop structure to accept and dissipate energy from flows larger than the design capacity of the WQF, and additional features to improve the efficiency of maintenance of the facility. Other elements of the project included oversight of the geotechnical analysis and archeological and endangered species studies, varied grading to make the flood pool's aesthetic less engineered and more naturalistic, 404 permitting along with arroyo mitigation impacts, trail network for maintenance for pedestrians and bicyclists, supporting documentation for the WQF to capture first flush contaminants, and NPDES support information.

Client:

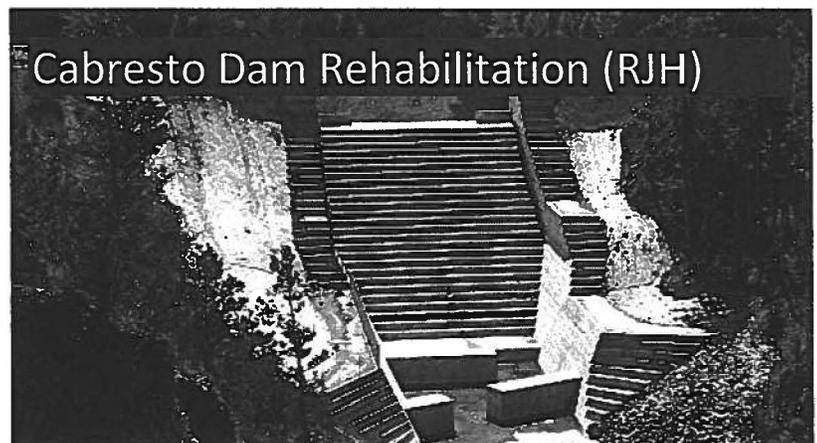
New Mexico Office of the State Engineer

Contact:

Charles Thompson: 505.827.6137

Relevance:

- Located in a narrow, steep mountain valley with challenging site access, hydrologic, and geologic conditions
- Hydrologic analyses to evaluate the inflow design flood
- Evaluated multiple conceptual-level rehabilitation alternatives
- Removed existing dam, outlet works, and spillway and constructed a new embankment dam downstream with a roller compacted concrete overtopping spillway and stilling basin



Cabresto Dam Rehabilitation (RJH)

As part of an on-call contract, the OSE retained RJH to provide engineering services for rehabilitation of Cabresto Dam on US Forest Service property. The existing dam was 45 feet high, constructed on top of a natural landslide dam, and had a total capacity of 730 acre-feet. Concerns with the dam included the need to address dam safety issues related to overtopping, inadequate spillway capacity, uncontrolled seepage, and concerns regarding the structural, hydraulic, and geotechnical adequacy of the outlet works.

RJH performed hydrologic analyses to evaluate the inflow design flood (IDF) and evaluated multiple conceptual-level rehabilitation alternatives for technical and economic feasibility. The selected concept involved removal of the existing dam, outlet works, and spillway and construction of a new embankment dam about 160 feet downstream of the existing dam. The new dam includes a roller compacted concrete (RCC) overtopping spillway and RCC stilling basin.

RJH coordinated the development of environmental permits. Key parts of environmental permitting including raising the reservoir's normal pool elevation to match the storage capacity of the existing reservoir and improvements to the access road, which were required for construction access but also sought to minimize impacts to Forest Service land.

Section F. Experience as an Engineering / Architectural Consultant

The BHI team brings a wealth of *Specialized Design and Technical Competence* in New Mexico dam planning, investigation, design, construction inspection, and operation and maintenance to the City of Las Vegas. Collectively our team has the experience, familiarity, knowledge, and ability to complete all the services listed in the request for proposals (RFP). The following section of our proposal details our technical proficiency and approach to completing the possible tasks that will arise under this contract.

Engineering Services for Dams and Reservoirs

Our team understands the importance of each element of a dam and reservoir project, from the planning and analysis of existing dams to the design of dam repairs and improvements, including new dam design. Our ability to offer a full suite of service in-house—including civil design, architectural, structural, mechanical, electrical, plumbing (dam appurtenances), funding, construction observation and inspection—augmented with high-quality subconsultants for environmental and geotechnical services provides the City of Las Vegas with a one-stop solution for all your dam and reservoir needs associated with the Bradner and Peterson Dams and associated source water production, storage and delivery systems. Our project team has extensive experience working with the Office of the State Engineer (OSE) Dam Safety Bureau (DSB) on a wide variety of dam-related work, ranging from studies to modifications of existing dams including OSE DSB submittals and permitting, risk assessments, O&M Manuals and more.



Leaders of BHI's Water Resources Group

Plan and Design

Plan

Project Planning and Funding

BHI's Past President Brian Burnett often said, "How we start is how we finish." We take these words to heart, and we have proven repeatedly that successful projects start with a well-thought-out project work plan that includes the project purpose, scope, schedule (including key milestones), deliverables, communication protocol, and fees. The first step in any project work plan is the communication of project requirements to the team. As such, we will start each task order with a kickoff meeting and field review (if appropriate) to make sure that our project team has a unified view of the project requirements, budget, and deadlines. At the completion of each project phase, every deliverable is subject to an independent quality review with formal documentation prior to submittal to the City. This verifies compliance with the scope and the accuracy of the design, the result of which is improved quality and controlled costs.

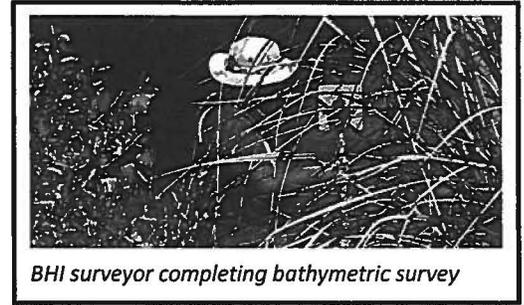
We will consult with the City as needed—on a day-to-day basis if requested—to ensure your project objectives, goals, and needs are being met. As we have done with our other on-call contracts, we will strive to become a trusted partner to the City and an extension of your staff to facilitate effective and efficient project planning and execution. This will include providing assistance in the completion of applications to obtain project funding. As needed we can also provide technical assistance to in-house City projects and provide supporting technical information as requested in the RFP.

Your Project Funding Advocate & Partner

Because few communities in New Mexico can improve and maintain their infrastructure without funding assistance, BHI has worked with virtually every funding agency available to secure funds for our clients' infrastructure projects. The agencies include USDA-Rural Utilities Service, New Mexico Environment Department, New Mexico Finance Authority, Water Trust Board, Drinking Water State Revolving Fund, HUD Community Development Block Grant, Environmental Protection Agency, and State, Federal and OSE Appropriations. We know many of the staff personnel at these agencies on a first-name basis and can track an application's movement through the approval process. We can assist you in making applications and presentations to these agencies as appropriate to support your staff's level of experience with these agencies. Once applied for, we will act as your lobbyist to support the applications submitted to make sure they continue to move through the approval process.

Surveying

BHI has the advantage of having both engineering and surveying under one roof. Our in-house survey crews—under the responsible charge of a Licensed Professional Surveyor in the State of New Mexico—will prepare any surveys required under this contract. This may include grid-based bathymetric surveying, design-level topographic, and planimetric surveys of the dams and appurtenances. Information from site surveys can be used to prepare right-of-way and boundary surveys. BHI also offers photogrammetry services to provide mapping for use in hydrologic, dam breach, and inundation modeling, if needed.



BHI surveyor completing bathymetric survey

Engineering Analysis and Planning

BHI's Water Resources staff are recognized experts in hydrology and hydraulics (H&H), as evidenced by our selection by the USACE Albuquerque District for a multi-year on-call contract for Civil Works Planning Studies focused on H & H.

HYDROLOGIC ANALYSIS

BHI has extensive experience with hydrology and hydraulics. BHI routinely completes hydrologic and hydraulic analyses on dam-related projects for other governmental agencies such as local flood control authorities, municipalities, and private owners. Our team has written many OSE approved dam hydrology reports for dams including Probable Maximum Precipitation (PMP) analysis for dams such as PNM Plant Lake, Montoyas Sportsplex, Pino, McCoy, and Don Felipe.

HYDRAULIC ANALYSIS

We are experts in hydraulic analysis and design of dams, channels, levees, storm sewers, drop structures, energy dissipaters, and river restoration. We integrate GIS services into our analysis as appropriate, to provide value-added deliverables. We have used this expertise to assess spillway capacities for several existing dams including the Las Cruces, PNM Plant Lake Dam, Pino, and Las Ventanas dams.

DAM BREACH ANALYSIS & INUNDATION MAPPING

Our team has created many dam breach hydraulic models for dams including Plant Lake, Las Cruces, Boca Negra, Montoyas Sportsplex, and Pino dams. These models have included reservoir routing, outlet and spillway analysis, and other hydraulic calculations. BHI's uses FLO-2D to model the 2-dimensional flow conditions downstream of a dam breach and produce output that can be added to ArcGIS. Combined with aerial imagery, property records, and any other available GIS data we are able to readily identify roadways and infrastructure at risk from a potential dam breach. We have used this process on inundation mapping and emergency planning for Plant Lake, Las Cruces, Boca Negra, and Pino dams, and our team is able to streamline the determination of areas of risk using GIS-based tools and the inundation area, flow depth, and velocities. We also prepared a "Sunny Day" breach analysis and flood inundation mapping for the Eagle Nest Lake and Dam for the Interstate Stream Commission. Members of our staff have received training from the American Society of Civil Engineers (ASCE) in dam safety, the Association of State Dam Safety Officials (ASDSO) in dam analysis, and the creator of FLO-2D in 2-dimensional hydraulic modeling. This training and experience enables us to efficiently complete dam reach analysis and inundation mapping.



Inundation map for the Montoyas Arroyo



BHI conducted a breach analysis for the Eagle Nest Dam

PREPARATION OF EMERGENCY ACTION PLANS FOR DAMS

The BHI team has extensive experience preparing EAPs for both public and private dam owners. We have aided cities and flood control authorities and other dam owners, such as Las Cruces, the Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA) and the Southern Sandoval County Arroyo Flood Control Authority (SSCAFCA) with their EAPs. Notable experience includes preparation of the EAP for PNM's Plant Lake Dam and the ongoing preparation of the EAP for the Salado (Upper Hondo #1) Dam under direct contract with the OSE DSB.



Boca Negra Dam EAP Inundation Mapping

OPERATION AND MAINTENANCE MANUAL PREPARATION

The BHI staff and our team member firm MGC, in particular, have extensive experience preparing O&M Manuals for dams. BHI notably has completed O&M manuals for PNM's Plant Lake Dam and the Las Cruces Dam, and Dr. Miller's (MGC) experience has included the O&M manuals for the Springer Dams No. 1 and No. 2 rehabilitation project.

GEOLOGIC AND GEOTECHNICAL SERVICES

Our subconsultant, RJH, will support the activities required for geologic and geotechnical analysis and design under this contract, with MGC providing independent geotechnical consultation and review services. RJH is a leader in geologic and geotechnical evaluations in planning and design for water resource projects. In the past 5 years, RJH staff have performed over 100 geologic and geotechnical evaluations for new and existing dams to assess issues such as excessive seepage, seepage instability, slope instability, seismic deformation, foundation seepage and piping, filter compatibility, transient seepage, and settlement, as well as to support evaluation and design of pipelines, canals, and diversion facilities.

RJH was retained by the USACE to evaluate and resolve serious seepage issues on a large reservoir in Florida, and is actively involved in research and testing related to exit gradients and filters. RJH staff recently published papers on these topics at conferences for the Association of Dam Safety Officials and United States Society on Dams.

RJH's ability to characterize complex site geology is shown on the Penley Dam and Reservoir project in Colorado. The Penley site included seven different surficial soil deposits, seventeen bedrock units, a complex system of faults, and a large landslide. Detailed geologic mapping and subsurface investigations were required to fully characterize the site. Subsurface investigations included a 24-foot-deep, 600-foot-long seismic trench to evaluate the activity of the faults. RJH's investigations provided the information needed to prepare a cost-effective design for the dam.

EVALUATION OF EXISTING DAMS

From updating inflow hydrology to evaluating the closure of a dam and everything in between, our team's dam expertise includes evaluation and analysis of existing dams. We understand the cost of building, owning, and maintaining dams, and our understanding of dam regulations and safety, combined with our engineering experience and technical skills, allows us to evaluate and develop solutions to assist existing dam owners in making decisions. Our team has developed options for additional spillways on existing dams, as well as evaluated and documented the design of existing dams where information was lacking. Our team is currently analyzing two existing dams that function as a system and is developing options to improve the system utilizing dam modifications and/or adding an additional dam to the system.

Design

Architectural

BHI's architectural strengths cover all phases of the profession, including project programming, existing condition analysis, building code compliance studies, removal/redesign of existing buildings, Americans with Disabilities Act (ADA) compliance studies, and construction management tasks. Project expertise has been provided on commercial, governmental, recreational, industrial, and institutional facilities throughout the state of New Mexico. Sample projects have included well buildings, vehicle storage and maintenance structures, storage structures, and office/workshop buildings. Site planning services are also included in our area of expertise.

Structural

The BHI team is experienced in the design of structural facilities that may be required under this contract. Our Structural Engineering group works closely with our Water Resources group when designing facilities requiring structural analysis and design. Our structural staff is experienced in designing dam outlet works and spillways. Working closely with the OSE, we designed the recently completed new inclined intake control structures for the City of Santa Fe's drinking water storage reservoirs, McClure and Nichols.

We have also recently completed design for the rehabilitation of the Bonito Lake Dam, located northwest of Ruidoso. This work included design of temporary sheet pile wall associated with a coffer dam to support the control and diversion of water during construction and mitigation of the lake's sediment issues. In addition to these recent projects, our Structural Engineering group has performed and assisted on numerous dam inspections and emergency rehabilitation project in New Mexico and Colorado.



Inside view of the intake control structure for the Nichols Reservoir

Mechanical and Electrical

BHI's Mechanical & Electrical team provides support services for projects involving a range of projects, including dams. Our primary goal is to design mechanical and electrical systems that achieve an optimum balance between cost and efficiency. We provide working solutions for projects large or small in a timely and efficient manner. BHI can provide all manner of mechanical and electrical staff services, including instrumentation design and installation. Our staff is able to evaluate readings and has used demand information from municipal SCADA systems to develop and update water system models. We also have designed full instrumentation feedback for process control (water and wastewater systems) that is linked with the client's supervisory control and data acquisition (SCADA) terminal. One project controlled all interior valves and pumps, including return by-pass flow, using a licensed radio controller linked into a solar-powered level unit controller at the reservoir, and the overall SCADA system.

Plumbing (Dam Appurtenances)

A dam is more than just an embankment and reservoir. The dam appurtenances, such as the outlet works, spillway, and reservoir interconnecting pipeline systems are critical to the function of the dam and the integration of the dam into an overall community water system. The BHI team includes water system experts who not only understand dam gates and valves and piping but also overall water systems from supply to storage and delivery. This holistic understanding of what it takes to provide a community with a dependable supply will serve the City well on this contract. We consider these elements and understand it is important for operators to be able to isolate and maintain the system – in the event repairs need to be made one element – without shutting down the entire system.

Civil Design

BHI's dam analysis and design experience spans over four decades and includes hydrologic and hydraulic modeling, dam breach modeling and inundation mapping, spillway assessments, inspections, O&M Manuals and dam design for over a dozen dams located throughout New Mexico, including rehabilitation work on Bradner Dam. Notable recent experience includes multiple analysis and design projects related to PNM's Plant Lake Dam and Evaporation Ponds at their Four Corners power plant site. BHI designed modifications to the existing evaporation ponds to cap and close the ponds in accordance with New Mexico Environment Department (NMED) and OSE DSB requirements.



Our team's design experience includes multiple dam under applicable dam rules and regulations. Team Member Deb Miller, PhD, principal of Miller Geotechnical Consulting is recognized as a dam evaluation, design, and hands-on trouble-shooting authority throughout the Southwest. Her recent projects in New Mexico include the recently completed Springer Dam Rehabilitation project, where she was the Design Engineer of Record and key member of the subsequent Construction Services team. This experience ensures an established current relationships and understanding of the expectations and procedures of the OSE DSB. Ms. Miller is respected by OSE staff and worked closely with Donzil Worthington, another member of your BHI team, in the successful completion of the Springer Dam Rehabilitation project. Her established relationship with the OSE DSB allowed Deb to re-evaluate and redesign the spillway of this dam on an accelerated schedule during construction, thereby completing this significant project on budget and on time!

Team member RJH brings a wealth of dam design experience. Recent notable projects include Cabresto Dam Rehabilitation and Antero Dam and Reservoir (Park County, Colorado), both of which included broad dam design services including spillway modifications. Antero Dam design included a soil-bentonite barrier wall through the center of the dam to reduce seepage, a series of filters and drains that were constructed using an innovative bio-polymer slurry trench method and chimney and toe drains to safely collect and manage seepage. The Cabresto Dam project included the removal of the existing dam, outlet works, and spillway; this was then followed by design and construction of new embankment dam with a roller compacted concrete (RCC) overtopping spillway. Clayey soils for a low permeability core were not present onsite. So RJH developed a design that used selective excavation of sandy materials and blended bentonite into the material to create a low permeability core material. RJH has a thorough understanding of the strengths and weaknesses of various analytical methods and modeling options. For the Rueter-Hess Dam and Reservoir project (Parker, Colorado), RJH's stability evaluations required more than 40 different material zones in a single model for the end of construction loading condition to allow for application of different strength properties based on the anticipated percent consolidation of the embankment materials.

CONSTRUCTION DRAWINGS AND SPECIFICATIONS

BHI is experienced in preparing construction plans to address dam deficiencies. Drawings are prepared in accordance with OSE DSB regulations. We will submit plans for review by the City and the OSE at the 65% and final design stages and address review comments at each stage. In conjunction with the construction drawings, BHI develops construction specifications and contract documents in accordance with OSE DSB guidelines.

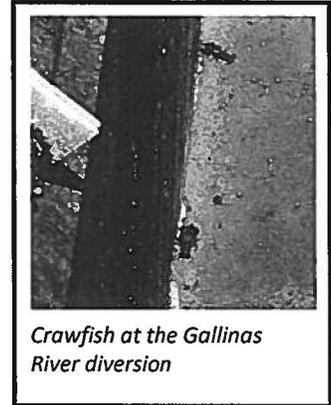
DAM INSPECTIONS

BHI has experience providing dam inspections as evidenced by our recent work on Webster Lake and PNM San Juan Power Generation Station North and South Evaporation Ponds. This work included a structural and mechanical equipment inspection of outlet works; evaluation of the structural integrity of outlet vaults, discharge valves, and man-way access to the vault; video camera inspection of discharge pipes and the outlet channel; and site inspections of embankments, ponds liners, overflow weir, and outlet systems; as well as leak detection and monitoring systems.

Environmental Assessment & Permitting

Archeological and environmental investigations are also often needed, depending on the site and potential impacts to areas of cultural significance. We have included Marron and Associates (Marron) as a subconsultant to determine and address requirements for resource surveys, environmental and cultural resource reporting, permits, and any public involvement activities. As part of this for each project, we will identify funding sources as well as lead, review, and affected agencies and coordinate with them as necessary.

Marron's extensive knowledge of permitting, environmental investigations, and historic and cultural sites will help ensure that these critical issues are addressed during project development along with environmental review related to the National Environmental Policy Act and the Clean Water Act if applicable. We have worked with Marron on numerous projects in involving local, state, and federal agencies.



Crawfish at the Gallinas River diversion

Bid Phase Services

Once a task order/project is designed and ready for bidding, we will coordinate closely with the City to advertise the project for bids. Having both experienced design engineers and construction inspection staff who have completed numerous dam and flood control/water system projects will enable us to seamlessly complete the bid phase services for each task order/project as needed. This includes distributing final construction documents, holding a pre-bid conference, responding to questions, distributing addenda (if needed), attending bid opening, reviewing and tabulating the bids, and providing a recommendation of award. We routinely support project owners in obtaining additional information concerning contractors' performance, insurance risk ratings, accident reports, and other related information from the New Mexico Labor Board.

Construction Phase Engineering Services

BHI has been in business for 58 years, and for 48 of those years we have provided Construction Administration Services. Our staff in the BHI Construction Engineering Group has extensive experience in public infrastructure from small-to large-scale construction projects. Our Project Managers and Construction Observers/Inspectors are seasoned professionals with extensive experience that includes frequent training and numerous certifications. Included in this group is Donzil Worthington who, having recently completed a successful assignment as the Construction Services Project Manager for the Springer Dam Rehabilitation Project, brings current experience working near Las Vegas, in conjunction with the OSE DSB to implement one of the most recent dam and reservoir construction projects in New Mexico.



BHI senior construction engineers reviewing a plan set for constructability

We offer state-of-the-art project construction management tools, such as our web-based **BHTracker** that provides the City with a central location for all material submittals/shop drawings, Requests for Information (RFI), Design Revisions (DR), daily field reports, field and materials test reports, weekly meeting minutes, change orders and pay applications, cost proposals, and other related documentation. The web-based software is user friendly and can be accessed via username and password, uses email notifications, and allows real time review of RFI and material submittal logs for use by stakeholders including use at weekly progress meetings.

BHI's staff has the expertise to provide design review and project inspection services including pre-bid conference and addenda, field observation and documentation, field observation report preparation, construction activity coordination, field and materials testing program development and implementation, public and private utility coordination, construction surveying, public meetings, record drawing preparation, periodic and final inspections, compliance certifications, and "close-out" package preparation, including project schedule requirements.

Regular progress meetings provide an opportunity to discuss any areas that need correction or clarification. Our preconstruction efforts include preparing for and attending pre-construction conferences, as well as reviewing and approving material submittals and shop drawings.

Construction Observation

Our Construction Engineering group staff has extensive experience in management and inspection of numerous projects of varied types of construction. Our construction project managers and inspectors are dedicated, have high expectations, and are trained to ensure that projects under their watch are constructed in strict compliance with the contract documents.

Our construction management staff will strive to keep the contractor within the timeframe stipulated in the contract so that the construction project is finished as expected. Our inspection activities include providing daily observation reports, interpreting plans and design concepts as necessary to assist the contractor and inspection staff, and verifying contractor submittals for conformance with contract documents. BHI takes a proactive role in keeping the project on schedule and within budget, thereby minimizing or eliminating change orders.

After the contractor has completed the contracted work, our inspector coordinates a pre-final inspection with the contractor to generate a preliminary punch-list of items requiring attention. After we are satisfied that the project is ready, we schedule and conduct the final inspection with all end users and agencies associated with the project. A punchlist is generated noting all non-complying items and the information is communicated to the contractor. Upon notification by the contractor that the punchlist is complete, we conduct a follow-up inspection to document the completed work.



BHI provides full-service construction observation on a wide range of infrastructure projects

Field and Materials Testing Services

As an added value to the City, we propose using BHI's new Quality Assurance (QA) field and materials testing lab to conduct all field and materials testing and sampling on this contract. Our technicians are trained through the New Mexico TTCP Training and Certification program to gain the necessary certifications required to conduct testing and sampling for our field and materials lab. Our lab supervisor has over 20 years of experience managing and operating field and materials laboratories. All work generated in our lab is certified by a licensed New Mexico Professional Engineer. There are many advantages of having the field and materials testing under the same roof as the Construction Management team: timeliness, cost effectiveness, and accuracy (testing is done by field inspector who is the person most familiar with the project and construction activities).

Section G. Documentation

Below are copies of our primary BHI staff members' professional licenses; you can verify the license numbers and statuses of any of our team members by searching by individual at <http://verification.rld.state.nm.us/>:

State of New Mexico



State Board of Registration
For Professional Engineers and Surveyors

This is to Certify that Craig W. Hoover
having given satisfactory evidence of the necessary qualifications, as required by Sections 61-23-1 through 61-23-32 NMSA (1978), has been duly registered and is hereby authorized to practice
Professional Engineering
in the State of New Mexico



Certificate No. 11848

In Testimony Whereof, Witness the signature
of the Chairman and Secretary under seal of the Board
dated 3 August 1992
[Signature] Chairman
[Signature] Secretary

State of New Mexico



State Board of Licensure
For Professional Engineers and Professional Surveyors

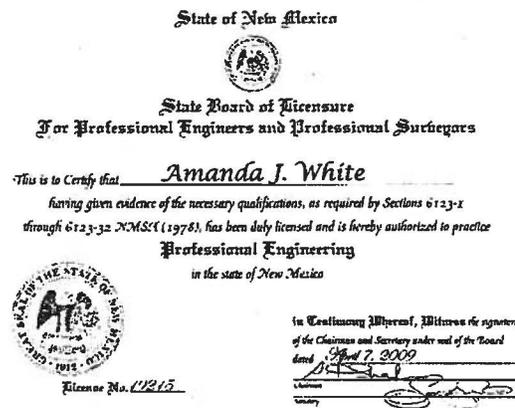
This is to Certify that Alandren Etlantus
having given evidence of the necessary qualifications, as required by Sections 61-23-1 through 61-23-32 NMSA (1978), has been duly licensed and is hereby authorized to practice

Professional Engineering

in the state of New Mexico

License No. 199945

In Testimony Whereof, Witness the signature
of the Chairman and Secretary under seal of the Board
dated June 30, 2010
Issued to Etlantus



Section H. Cost

At right is an excerpt from our standard fee schedule that highlights the breakdown of costs for materials and reimbursable expenses, such as lodging and mileage.

MATERIALS AND REIMBURSABLE EXPENSES

- Plotting, Printing and Binding – As invoiced at cost of labor and materials.
- Courier / Delivery Service - As invoiced by provider.
- Mileage – Two-Wheel Drive Vehicle rate as published for the IRS Standard Mileage Rate.
 Four-Wheel Drive Vehicle rate is the IRS Standard Mileage Rate plus \$0.10 per mile.
- Per Diem/Travel – Field personnel in accordance with the latest GSA Schedule based on location of service.
 Office/Professional staff travel costs, meals and lodging will be billed at cost.
- Survey Equipment Charge - \$25.00/Hour.
- Survey Material Charge - \$1.50/Hour.
- Expert Witness - Rates shall be \$300.00/Hour with a minimum of four hours while in court.
- Other Direct Project Expenses - At Cost.
- Overtime - Performed upon request of the client; will be invoiced at 1.30 times the standard hourly rate.
- Applicable Gross Receipts or Sales and Use Tax - Added to all fees charged for professional services unless they are exempt and official documentation is on file with Bohannon Huston, Inc.

Section I. Financial



100 Sun Avenue NE, Suite 500
Albuquerque, New Mexico 87109

www.bankofalbuquerque.com

June 12, 2017

To Whom It May Concern:

Bohannon Huston, Inc. established its banking relationship with Bank of Albuquerque in January 2012 and is a very valued customer of the bank. The company maintains a loan and depository relationship with us consisting of a low seven figure revolving line of credit and deposit accounts with a combined average balance in the low seven figure range.

Bohannon Huston, Inc. is managed by individuals who are very knowledgeable, experienced, and of high integrity. Overall, Bohannon Huston, Inc. has handled its banking relationship in an exemplary manner. The Bank does not provide a credit rating, but has determined by our underwriting standards that Bohannon Huston, Inc. is credit worthy as evidenced by our past and current lending activity.

If I may be of any further assistance, please feel free to contact me at 505-222-8431.

Sincerely,

Kyle Beasley
Senior Vice President

Bank of Albuquerque, a division of BOKF, NA. Member FDIC. Equal Housing Lender. 

Section J. Additional Information

BHI has elected not to include any additional information.

Section K. Campaign Contribution Disclosure Form

CAMPAIGN CONTRIBUTION DISCLOSURE FORM

Pursuant to Chapter 81, Laws of 2006, any prospective contractor seeking to enter into a contract with any state agency or local public body must file this form with that state agency or local public body. The prospective contractor must disclose whether they, a family member or a representative of the prospective contractor has made a campaign contribution to an applicable public official of the state or a local public body during the two years prior to the date on which the contractor submits a proposal or, in the case of a sole source or small purchase contract, the two years prior to the date the contractor signs the contract, if the aggregate total of contributions given by the prospective contractor, a family member or a representative of the prospective contractor to the public official exceeds two hundred and fifty dollars (\$250) over the two year period.

THIS FORM MUST BE FILED BY ANY PROSPECTIVE CONTRACTOR WHETHER OR NOT THEY, THEIR FAMILY MEMBER, OR THEIR REPRESENTATIVE HAS MADE ANY CONTRIBUTIONS SUBJECT TO DISCLOSURE.

The following definitions apply:

"Applicable public official" means a person elected to an office or a person appointed to complete a term of an elected office, who has the authority to award or influence the award of the contract for which the prospective contractor is submitting a competitive sealed proposal or who has the authority to negotiate a sole source or small purchase contract that may be awarded without submission of a sealed competitive proposal.

"Campaign Contribution" means a gift, subscription, loan, advance or deposit of money or other thing of value, including the estimated value of made to or received by an applicable public official or a collect or expend contributions on that official's behalf official to either statewide or local office. "Campaign Cost" of a debt incurred in an election campaign, but does not provided without compensation or unreimbursed travel individuals who volunteer a portion or all of their time political committee, nor does it include the administrative political committee that are paid by an organization that

"Contract" means any agreement for the procurement of items services, professional services, or construction.

"Family member" means spouse, father, mother, child, daughter-in-law or son-in-law.

"Pendency of the procurement process" means the time period notice of the request for proposals and ending with the cancellation of the request for proposals.

"Person" means any corporation, partnership, individual, joint other private legal entity.

"Prospective contractor" means a person who is subject to the

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proposal process set forth in the Procurement Code or is not required to submit a competitive sealed proposal because that person qualifies for a sole source or a small purchase contract.

"Representative of a prospective contractor" means an officer or director of a corporation, a member or manager of a limited liability corporation, a partner of a partnership or a trustee of a trust of the prospective contractor.

DISCLOSURE OF CONTRIBUTIONS:

Contribution Made By: _____

Relation to Prospective Contractor: _____

Name of Applicable Public Official: _____

Date Contribution(s) Made: _____

Amount(s) of Contribution(s) _____

Nature of Contribution(s) _____

Purpose of Contribution(s) _____

(The above fields are unlimited in size) _____

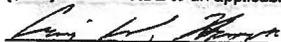
Signature _____

Date _____

Title (position) _____

-OR-

NO CONTRIBUTIONS IN THE AGGREGATE TOTAL OVER TWO HUNDRED FIFTY DOLLARS (\$250) WERE MADE to an applicable public official by me, a family member or representative.


Signature _____

August 1, 2017
Date _____

Senior Vice President
Title (Position) _____

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SCORING MATRIX

RFP 2018-02 Engineering Services for Dams and Reservoirs

	AECOM	Bohannon Huston
1. Specialized Planning & Design and Technical Competence 25 points	<u>Evaluator #1---20</u> <u>Evaluator #2---24</u> <u>Evaluator #3---25</u> <u>Evaluator #4---25</u>	<u>Evaluator #1---20</u> <u>Evaluator #2---22</u> <u>Evaluator #3---20</u> <u>Evaluator #4---20</u>
2. Capacity and Capability 25 points	<u>Evaluator #1---25</u> <u>Evaluator #2---24</u> <u>Evaluator #3---25</u> <u>Evaluator #4---25</u>	<u>Evaluator #1---25</u> <u>Evaluator #2---20</u> <u>Evaluator #3---20</u> <u>Evaluator #4---25</u>
3. Past Record Performance 20 Points	<u>Evaluator #1---20</u> <u>Evaluator #2---20</u> <u>Evaluator #3---20</u> <u>Evaluator #4---20</u>	<u>Evaluator #1---20</u> <u>Evaluator #2---18</u> <u>Evaluator #3---20</u> <u>Evaluator #4---15</u>
4. Familiarity with Contracting Agency 15 Points	<u>Evaluator #1---15</u> <u>Evaluator #2---15</u> <u>Evaluator #3---10</u> <u>Evaluator #4---15</u>	<u>Evaluator #1---7</u> <u>Evaluator #2---13</u> <u>Evaluator #3---10</u> <u>Evaluator #4---8</u>
5. Current Volume of Work with the Contracting Agency that is less than 75% complete 5 Points	<u>Evaluator #1---3</u> <u>Evaluator #2---5</u> <u>Evaluator #3---4</u> <u>Evaluator #4---5</u>	<u>Evaluator #1---5</u> <u>Evaluator #2---3</u> <u>Evaluator #3---2</u> <u>Evaluator #4---5</u>
6. Other 5 Points	<u>Evaluator #1---</u> <u>Evaluator #2---5</u> <u>Evaluator #3---5</u> <u>Evaluator #4---5</u>	<u>Evaluator #1---</u> <u>Evaluator #2---5</u> <u>Evaluator #3---5</u> <u>Evaluator #4---5</u>
7. Resident 5 Points	<u>Evaluator #1---5</u> <u>Evaluator #2---5</u> <u>Evaluator #3---5</u> <u>Evaluator #4---5</u>	<u>Evaluator #1---5</u> <u>Evaluator #2---5</u> <u>Evaluator #3---5</u> <u>Evaluator #4---5</u>
Totals		
	<u>Evaluator #1---88</u> <u>Evaluator #2---98</u> <u>Evaluator #3---94</u> <u>Evaluator #4---100</u>	<u>Evaluator #1---82</u> <u>Evaluator #2---86</u> <u>Evaluator #3---82</u> <u>Evaluator #4---83</u>
	<u>95.00</u>	<u>83.25</u>

#1

EVALUATION SHEET

Offerors: AECOM

Proposal must address each of the following criteria.

Rating Sheet For (applicant name):		
Item	Possible Points	Points Awarded
1. Specialized Planning & Design and Technical Competence*	25	20
2. Capacity and Capability*	25	25
3. Past Record and Performance*	20	20
4. Familiarity with Contracting Agency*	15	15
5. Current Volume of Work with the Contracting Agency that is less than 75% complete*	5	3
6. Other*	5	—
7. Resident Preference*	5	5
Subtotal Planning & Design Service	<u>100</u>	88

#1

EVALUATION SHEET**Offerors:** Bohannan Huston

Proposal must address each of the following criteria.

Rating Sheet For (applicant name):

Item	Possible Points	Points Awarded
1. Specialized Planning & Design and Technical Competence*	25	20
2. Capacity and Capability*	25	25
3. Past Record and Performance*	20	20
4. Familiarity with Contracting Agency*	15	7
5. Current Volume of Work with the Contracting Agency that is less than 75% complete*	5	5
6. Other*	5	—
7. Resident Preference*	5	5
Subtotal Planning & Design Service	<u>100</u>	82

#2

EVALUATION SHEET

Offerors: AECOM.

Proposal must address each of the following criteria.

Rating Sheet For (applicant name): AECOM

Item	Possible Points	Points Awarded
1. Specialized Planning & Design and Technical Competence*	25	24
2. Capacity and Capability*	25	24
3. Past Record and Performance*	20	20
4. Familiarity with Contracting Agency*	15	15
5. Current Volume of Work with the Contracting Agency that is less than 75% complete*	5	5
6. Other*	5	5
7. Resident Preference*	5	5
Subtotal Planning & Design Service	100	98

#2

EVALUATION SHEET

Offerors: Bohannan Huston
Proposal must address each of the following criteria.

Rating Sheet For (applicant name):		
Item	Possible Points	Points Awarded
1. Specialized Planning & Design and Technical Competence*	25	22
2. Capacity and Capability*	25	20
3. Past Record and Performance*	20	18
4. Familiarity with Contracting Agency*	15	13
5. Current Volume of Work with the Contracting Agency that is less than 75% complete*	5	3
6. Other*	5	5
7. Resident Preference*	5	5
Subtotal Planning & Design Service	<u>100</u>	86

#3

EVALUATION SHEET

Offerors: *AECOM*

Proposal must address each of the following criteria.

Rating Sheet For (applicant name):

Item	Possible Points	Points Awarded
1. Specialized Planning & Design and Technical Competence*	25	25
2. Capacity and Capability*	25	25
3. Past Record and Performance*	20	20
4. Familiarity with Contracting Agency*	15	10
5. Current Volume of Work with the Contracting Agency that is less than 75% complete*	5	4
6. Other*	5	5
7. Resident Preference*	5	5
Subtotal Planning & Design Service	100	94

#3

EVALUATION SHEET

Offerors: Bohannon Houston

Proposal must address each of the following criteria.

Rating Sheet For (applicant name):		
Item	Possible Points	Points Awarded
1. Specialized Planning & Design and Technical Competence*	25	20
2. Capacity and Capability*	25	20
3. Past Record and Performance*	20	20
4. Familiarity with Contracting Agency*	15	10
5. Current Volume of Work with the Contracting Agency that is less than 75% complete*	5	2
6. Other*	5	5
7. Resident Preference*	5	5
Subtotal Planning & Design Service	<u>100</u>	82

#4

EVALUATION SHEET

Offerors: *AECOM*

Proposal must address each of the following criteria.

Rating Sheet For (applicant name): *AECOM*

Item	Possible Points	Points Awarded
1. Specialized Planning & Design and Technical Competence*	25	25
2. Capacity and Capability*	25	25
3. Past Record and Performance*	20	20
4. Familiarity with Contracting Agency*	15	15
5. Current Volume of Work with the Contracting Agency that is less than 75% complete*	5	5
6. Other*	5	5
7. Resident Preference*	5	05
Subtotal Planning & Design Service	100	100

#4

EVALUATION SHEET

Offerors:

Proposal must address each of the following criteria.

Rating Sheet For (applicant name): <i>Bohannon Huston</i>		
Item	Possible Points	Points Awarded
1. Specialized Planning & Design and Technical Competence*	25	20
2. Capacity and Capability*	25	25
3. Past Record and Performance*	20	15
4. Familiarity with Contracting Agency*	15	8
5. Current Volume of Work with the Contracting Agency that is less than 75% complete*	5	5
6. Other*	5	5
7. Resident Preference*	5	5
Subtotal Planning & Design Service	<u>100</u>	83