

EASTERN SANDOVAL COUNTY ARRYO FLOOD CONTROL AUTHORITY  
[ESCAFCA]

PROJECT DESCRIPTION

PRELIMINARY ENGINEERING REPORT (PER)  
For  
MID-BERNALILLO STORMWATER CONVEYANCE

ESCAFCA is a political subdivision of the State of New Mexico whose jurisdiction includes the communities of Algodones and Bernalillo.

ESCAFCA is requesting competitive sealed proposals for professional engineering consulting services to prepare a Preliminary Engineering Report (PER) for a stormwater conveyance system which will intercept flows from the Bernalillo Acequia and convey them to the Bernalillo Interior Drain, or to the Rio Grande vicinity of the Bernalillo Wastewater Treatment Plant. The purpose of the PER is to determine if it is feasible to build such a system, and identify the costs and considerations to do so.

The PER will be used as the vehicle for soliciting cooperation among cooperating/participating entities, and for soliciting funds from the Water Trust Board and/or a Legislative Capital Outlay. The overall scenario for soliciting agency cooperation and participation in a solution is outlined in the MID-BERNALILLO ACEQUIA DRAINAGE MANAGEMENT PLAN, DRAFT Mar/2016 (Reference A).

The format for the PER should conform, as much as practicable, to the USDA Rural Utilities Service BULLETIN 1780-3 (Reference B) or other format acceptable to ESCAFCA and the State of New Mexico.

In general, the alignment for the conveyance system has been selected; except that there may be two or more options for an outfall to the Rio Grande.

In 1975, Bernalillo LPA Report No. 8, STORM DRAINAGE PLAN AND PROGRAM FOR THE TOWN OF BERNALILLO, NEW MEXICO, identified an alignment to convey flows from the Bernalillo Acequia to the Bernalillo Interior Drain. (Reference C). This remains the preferred alignment.

The preferred alignment is as shown on the ESCAFCA Voting Districts Map (Reference D).

A profile of the desired alignment, with two outfall options, is portrayed in the MRGCD TOWN OF BERNALILLO PROFILE by Bohannon-Huston, March 2016 (Reference E).

A DESIGN ANALYSIS REPORT For BERNALILLO ACEQUIA OVERFLOW NOTCH, by Wilson & Company, Engineers and Architects, dated February, 2016, ascertained that the Bernalillo Acequia carries about 35 cfs irrigation flows, but with significant alterations, could carry as much as 100 cfs (Reference F). The Acequia, then, is and could be the main interceptor of runoff from the Sandia Mountains.

The PER shall address, as a minimum, the following:

- A. Optimize the conveyance system, given that discharge from the Bernalillo Acequia could be in the range of 35 to 100 cfs, and considering restraints such as grade, hydraulics, cover/depth, available ROW, public inconvenience, and potential agency objections/restrictions.

- B. Examine open channel versus pipe conveyance .
- C. Propose storage facilities to attenuate flows.
- D. Maximize the use of public property.
- E. Identify private property needed for any option.
- F. Coordinate with involved entities.
- G. Propose possible phasing of construction, including phases that might “stand alone” temporarily.
- H. Estimate costs by phase or segments, where possible.
- I. Include eight briefings for public agencies and governing bodies.
- J. Include three public meetings.
- K. Recommend LID, pollution prevention, recharge, and multiple use possibilities.
- L. Other considerations identified in the PER format, not identified here.

Compensation/fees will be established as part of the selection/ negotiation process with successful firms, but shall not be submitted with the proposal.

Proposals shall be limited to three [3] pages, plus a cover letter.

Proposals will be reviewed by a Selection Advisory Committee[SAC] appointed by the ESCAFCA Board Chair, and will be evaluated using the following criteria and grading points:

- 1. General description of the firm, who will be the primary contact[s], who will be on the project team, and their qualifications and experience.....25
- 2. Competence and experience in southwest stormwater management, especially relating to the Bernalillo area .....20
- 3. Proposed schedule, and description of the capacity and capability to perform the work,.....20
- 4. Past record of performance with government agencies or private industry with respect to such factors as cost, quality of work and ability to meet schedules.....15
- 5. Familiarity with the ESCAFCA area.....10
- 6. Amount of design work that will be produced by a New Mexico business within this state.....5
- 7. Volume of work previously done for ESCAFCA which is not 75% complete with respect to basic professional design services.....5

ESCAFCA reserves these rights:

- 1. To cancel, delay, or modify this RFP,
- 2. To reject any or all proposals,
- 3. To waive any informality or technicality in the evaluation of any proposal,

4. To make inquiries of any references submitted in the proposal.

Interviews may be conducted with any or all firms submitting proposals; however, evaluation may be made solely on the proposal as submitted.

Proposals will be accepted until 12:00 noon on Wednesday, June 1, 2016 at the ESCAFCA office at 829 Camino Del Pueblo, Bernalillo, NM, 87004. Proposals may be submitted electronically or on paper. If submitted electronically, send to [dwelch@escafca.com](mailto:dwelch@escafca.com). If a proposal is mailed, it MUST be addressed to ESCAFCA, PO Box 638, Bernalillo, NM 87004, and must arrive before the deadline. An original and three [3] copies shall be submitted in a sealed envelope, clearly marked "ESCAFCA Proposal for PER for Mid-Bernalillo Stormwater Conveyance". If submitted electronically, ESCAFCA will make copies in black and white for consideration by the Selection Advisory Committee [SAC]. Late proposals will not be considered.

Following receipt of the proposals, the SAC will evaluate the proposals and recommend one or more firms to be presented to the ESCAFCA Board of Directors for its selection, whereupon an agreement may be negotiated for presentation to the Board.

Each proposal MUST be accompanied by a completed Campaign Contribution Disclosure Form [CCDF], a copy of which is available on the ESCAFCA Website, or by calling Larry Blair at 249-1035..

The Procurement Code, NMSA 1978, Sections 13-1-28 through 13-1-199 [1984 as amended] imposes civil and criminal penalties for its violation. In addition, the New Mexico criminal statutes impose felony penalties for illegal bribes, gratuities, and kickbacks.

If questions, call Larry Blair, ESCAFCA Executive Engineer at 505-249-1035.

Dated April 29, 2016

Larry A. Blair for  
Sal Reyes, Board Chair