

**Albuquerque Metropolitan  
Arroyo Flood Control Authority  
Regular Meeting Minutes  
May 22, 2003  
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**1. Call to Order and Roll Call**

Chairman Eichenberg called the Regular Board Meeting to order at 11:00 a.m. Wednesday, May 22, 2003. Roll was noted as follows:

Directors present: Chairman Tim Eichenberg  
Director Ronald D. Brown  
Director Daniel Hernandez  
Director Daniel Lyon

Directors absent: Director Linda Stover

Others present: John Kelly, Executive Engineer  
Sam Bregman, Attorney  
Staff

**2. Approval of Agenda**

Mr. Kelly requested deferring Item 8, Purchase of New Cab and Chassis and Conversion of Water Truck to the June 26, 2003 Regular Board Meeting and Item 9, Isleta Blvd. Phase 1-A Drainage Improvements to a special meeting to be scheduled at 8:00 a.m. May 28, 2003. He also requested adding Item 20.b., Quail Ranch Annexation and Item 20.c., Sanchez Farm House. Director Brown made a motion to approve the agenda as amended. Director Hernandez seconded the motion and it passed (4-0).

**3. Meetings Scheduled**

- a. June 26, 2003, 10:00 a.m. – Regular Meeting**
- b. July 24, 2003, 10:00 a.m. – Regular Meeting**

Director Lyon made a motion to accept the Special Meeting scheduled for 8:00 a.m. May 28, 2003. Director Hernandez seconded the motion and it passed (4-0).

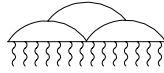
**4. Approval of Minutes**

- a. April 24, 2003**

Following a minor change to the minutes, Director Hernandez made a motion to approve the April 24, 2003 Minutes. Director Lyon seconded the motion and it passed (4-0).

- b. May 14, 2003**

Director Brown made a motion to approved the May 14, 2003 Minutes. Director Hernandez seconded the motion and it passed (4-0).



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**5. Financial Matters**

**a. Approval of April 2003 Expenditures**

In response to a question asked by Chairman Eichenberg, Mrs. Jeffries stated that JV45 was the amount due to Debt Service from the last make up distribution payment made by Bernalillo County for June 2002 to January 2003. Mr. Kelly explained that the tax collections are deposited to the General Fund and after the taxes are input into a spreadsheet, they are allocated between General Fund and Debt Service.

Director Brown made a motion to approve the April 2003 Expenditures. Director Hernandez seconded the motion and it passed (4-0).

**b. Investment Report**

For information.

**c. Financial Recap April 16, 2003 thru May 15, 2003**

For information.

**d. Financial Forecast May 16, 2003 thru June 15, 2003**

Director Brown made a motion to approve the Financial Forecast May 16, 2003 thru June 15, 2003. Director Lyon seconded the motion and it passed (4-0).

**e. County Treasurer Tax Distribution Update**

Mrs. Jeffries stated that she hopes to have the reconciliation of the make up tax distribution completed and reviewed by AMAFCA's Accountant, Chester Mattocks by the June 26, 2003 Board Meeting.

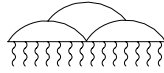
**6. Legal**

**a. Status Report**

In regard to the Chaves case, Attorney Bregman stated that a new judge will be assigned to the case next week.

**7. Personnel Matters – Adoption of AMAFCA Substance Abuse Policy**

Director Hernandez stated that the Substance Abuse Policy wording should reflect a mandatory retest following a positive test prior to action taken against the employee in question. He stated his concerns about false positive tests. Attorney Bregman stated that he will review this matter and address it at the June 26, 2003 Regular Board Meeting.



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Director Hernandez made a motion to defer this item to the June 26, 2003 Board Meeting. Director Brown seconded the motion and it passed (4-0).

**8. Purchase of New Cab and Chassis and Conversion of Water Truck – Consideration of Bids**

Item deferred to the June 26, 2003 Board Meeting.

**9. Isleta Blvd. Phase 1-A Drainage Improvements – Sanchez Farm Detention Basin and Pump Station Award of Construction Contract**

Item deferred to the May 28, 2003 Special Meeting.

**10. Archaeological/Environmental On-Call Services – Approval of Selection Advisory Committee Recommendation**

Ms. Jones stated that 10 proposals were received. The Selection Advisory Committee met and ranked the firms, and recommends awarding the Archaeological/Environmental on-Call Services to the following top 3 firms:

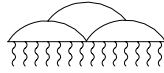
- Parsons
- Marron & Associates
- Taschek Environmental Consulting

Director Hernandez made a motion to accept the recommendation of the Selection Advisory Committee, authorize the Executive Engineer to commence negotiations per the NM Procurement Code for environmental and archaeological on-call services with Parsons, Marron & Associates, and Tascheck Environmental Consulting. Director Brown seconded the motion and it passed (4-0).

**11. Amole Arroyo, Snow Vista Confluence to West of Delgado Road Crossing – Authorization to Advertise Request for Proposals for Construction Management Services**

Donald Lopez, representing URS Corporation, Ron Bohannon, representing Tierra West, and Craig Hoover, representing Bohannon Huston, were present.

Mr. Kelly stated that the construction cost was estimated at \$1.3 M and approximately \$104,000 for construction engineering. He explained that construction management service costs are to be allocated in accordance with the cost share percentages contained in the agreement. The proposed schedule is to receive the proposals on June 17, hold a SAC meeting on June 24, and present to the Board a recommendation at the June 26, 2003 meeting.



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Director Brown made a motion to approve the issuance of the RFP for design review and construction phase services for the Amole Arroyo, from Snow Vista Channel to west of Delgado Road Crossing. Director Lyon seconded the motion and it passed (4-0).

In regard to a question about the estimated 8% of construction cost for construction engineering, Mr. Kelly stated that this 8% estimate was used in the agreement between Curb, Inc. and the City of Albuquerque so that the cost could be allocated among the parties of the agreement.

**12. AMAFCA Network and Website Layout**

Ms. Jones discussed the services provided by AMAFCA's network and website provider.

**13. Corps of Engineers SW Valley Feasibility Study Status Report**

Mr. Kelly stated that Chairman Eichenberg and Directors Hernandez and Lyon attended the seconded briefing made by the Corps of Engineers to the Isleta Pueblo. He stated that the Corps reviewed the history of the project, use of the MRGCD drains, and then discussed the proposed Federal Project.

He stated that a meeting is scheduled for 9:00 a.m., June 3, 2003 with the Isleta Pueblo, Corps of Engineers, Bernalillo County Public Works, and AMAFCA.

**14. Real Estate**

**a. Quitclaim Release of Easement, Vista Sandia Diversion Channel**

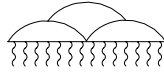
Mr. Kelly stated that the quitclaim deed is for the easement portion of the Vista Sandia Diversion Channel and does not cover fee right-of-way at the north end of the channel.

Director Brown made a motion for the Board to declare the Parcel N-6-1-B, Vista Sandia Diversion Channel Easement, that encumbers Tract G, Balloon Fiesta Park, unnecessary for flood control and drainage by AMAFCA and that the Board authorize the Chairman to execute a Quitclaim Deed / Release of Easement to the City of Albuquerque. Director Hernandez seconded the motion and it passed (4-0).

Due to guests in the audience, item 16 was discussed prior to item 15.

**16. Lyon Blvd. / Piedras Marcadas Watershed Mini-Drainage Management Plan – Briefing by Bohannon Huston, Inc.**

Brad Dixon and Craig Hoover, representing Bohannon Huston, were present; Ron Bohannon and David Soule, representing Tierra West, and Dan Hogan, representing City of Albuquerque, were present.



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Mr. Hoover stated that their study involved examining what area could feasibly be diverted out of the Piedras Marcadas Watershed to the Calabacillas Arroyo via the proposed Lyon storm drain. This diversion is being looked at due to the presence of the Petroglyph National Monument. The National Park Service maintains that developed flows or possibly even historic flows are not allowed to go through the monument. He discussed the four proposed options developed by using the 100-year flow rates from the Molzen-Corbin 1993 study.

Mr. Hoover described the study options and the varying layouts of detention ponds and storm drains to divert storm water to the north.

Mr. Kelly stated that AMAFCA looked at Piedras Marcadas Dam in the mid 1990's and it was determined that the dam was short of the capacity for the 100-year developed conditions event analyzed in the 1993 study. He stated that one of the two recommended diversions from the Piedras Marcadas watershed to the Calabacillas Arroyo had been done. The second is the Lyon Blvd storm drain.

Mr. Kelly stated the fourth option looked at was to determine what area south of Paradise Blvd. and west of Unser Blvd. had to be diverted to the Calabacillas Arroyo. Diversion of this area would leave a foot of freeboard in the Piedras Marcadas Dam, at the expense of upsizing certain portions of the storm drain.

Mr. Kelly stated that the cost of upsizing the pipe was slightly lower than the cost of removing the dam gate and installing a parallel pipe in the MRGCD right-of-way. He stated that the advantage of leaving the gate at the dam would be the capture of trash after a storm.

He stated that design on the Lyon storm drain could begin this fiscal year and that construction money would be available after the 2004 bond authorization. He stated that this project could be the first major project funded out of the 2004 Bond Authorization.

Mr. Bohannon stated that his firm has almost completed a detailed subdivision level drainage plan that will address the size of pipe and size of the drainage structures inside the area. He stated that they have divided the area into a northern and southern half and are currently addressing zoning issues. He stated that he met with the City of Albuquerque and was told that the Paseo del Norte extension will address transportation issues only and will not include any drainage improvements and any drainage would have to be done by the community and/or by private development.

Mr. Bohannon stated that Tierra West has begun to identify possible detention ponds on the northern half of the area in the development plans. He stated that without a drainage solution, this area will stay vacant for a number of years.



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Mr. Kelly stated that he would be meeting with the City of Albuquerque next week to discuss their paving project on Paseo del Norte.

During discussion, Chairman Eichenberg stated that the private development connecting into the Lyon storm drain should bear a major portion of the cost of the Lyon project. He also asked Mr. Bohannon to consider what the private development options would be if the Lyon storm drain were not built.

Chairman Eichenberg recessed the meeting at 12:40 p.m. and reconvened at 12:45 p.m.

- 15. Field Highlights**
- a. Construction Report**
  - b. Field Report**

Mr. Lovato and Ms. Mazur presented a slide show depicting current projects.

- 17. Potential Co-Use of La Familia Site – Briefing by Eduardo Chavez, Academia del Lengua y Cultura**

Eduardo Hernández Chávez, representing Academia de Lengua y Cultura was present. Mr. Hernández discussed the potential use of the La Familia Site for a new public charter middle school.

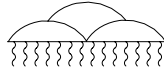
Chairman Eichenberg opined that this is an exciting proposal for potential use of the La Familia Site, but it is premature in the process for public notice regarding use of the property.

- 18. Channel Lining Alkali Silica Reactivity Investigation and Development of Structural Index Number – Status Report and Briefing on North Diversion Channel Box Culvert by AMEC**

Kenneth Wylie, representing AMEC, was present.

Mr. Wylie stated that the visual investigation of the channel box culvert was standard and other than some small pitting and small cracking of the concrete in the bottom of the channel, everything looked pretty good. Further investigation on the north portion of the box showed lateral cracks in the channel bottom. He stated that core samples taken from the bottom of the box broke apart when they were extracted, and showed the existence of Alkali Silica Reactivity (ASR).

Mr. Wylie discussed the gel reaction product formed by ASR and how it manifests and expands. He stated that the more water the gel is exposed to, the more it expands and creates internal pressure that cracks the aggregate.



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Mr. Wylie passed around the core samples to the Board stating that this scenario is found in the tunnel in much of the floor and a few portions of the wall. He stated that the cracks are found in abundance near the bottom and middle of the concrete box floor and that no cracking is found near the top of the floor. He stated that the bulk of the floor core samples showed evidence of ASR, with some in advanced stages of reactivity.

Mr. Wylie stated that although this is not an immediate problem, the concrete in the box channel will need to be addressed in the next 5 to 10 years.

Mr. Kelly stated that staff has met with the Corps of Engineers regarding this situation hoping to identify a Federal interest in a material defect in the channel. He stated that there may be some precedent due to a similar case in Illinois that is currently being researched. He stated that there is money allocated in AMAFCA's budget to evaluate structure repair options and staff will begin to work up a scope of services for an RFP. He stated that one of the options being reviewed is to replace the channel floor and tie it into the existing wall or deck, in an attempt to gain another 30 or 40 years' use for the structure.

In response to a question asked by Director Brown, Mr. Wylie stated that the strength of the box culvert concrete was determined to be between 4,200 PSI to 5,500 PSI in its present condition, and was originally specified to be an average 4,000 PSI concrete. Mr. Wylie stated that the reinforcing steel was found to be in good shape, without evidence of corrosion.

Mr. Kelly stated that he has authorized core samples to be taken from the box culvert coming off the I-40 channel and also authorized cores to be pulled in the UNM box culvert. He stated that updates to this situation will be presented to the Board over the course of the next year as new information is discovered.

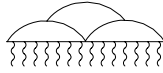
**19. Unfinished Business**

In response to a question asked by Chairman Eichenberg in regard to the Pickard matter, Mr. Kelly stated that quotes have been received for the surveying to re-establish the monument. He stated that a letter and a termination for Mr. Pickard will be sent as soon as the survey is complete.

**20. New Business**

**a. Out of State Travel Request – Storm Con Water Conference, San Antonio Texas, July 2003**

Mr. Kelly stated that this is the second year for the conference/product trade show and that staff was unable to attend last year. He stated that Mr. Lovato is available to attend this year.



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Director Hernandez made a motion for the Board, pursuant to Resolution 1998-16, to authorize out of state travel and expenses for one AMAFCA staff member, not limited to just the field engineer, to attend the 2<sup>nd</sup> Annual StormCon Surface Water Quality Conference in San Antonio, Texas, not to exceed \$1,900.

Director Hernandez made an amended motion to also include the Chairman of the Board. Director Lyon seconded the motion as amended and it passed (3-0) with Director Brown not being present for the vote.

**b. Quail Ranch Annexation**

Mr. Kelly discussed SSCAFCA's discussion on a possible boundary change that will follow the city limits of the City of Rio Rancho instead of following the county line and SSCAFCA Board's concern with differing jurisdictions for the Quail Ranch. He stated that he spoke with Mr. Stoliker of SSCAFCA and conveyed AMAFCA's position not to support a change to its boundaries and a reduction to the AMAFCA tax base.

**c. Sanchez Farm House**

Mr. Kelly stated that Channel 4 broadcasted a short story on the Sanchez Farm House. He stated that he would like to invite the same reporter out to the site when the project is about 90% complete, when the landscape and terraces in the pond are finished.

Mr. Kelly stated that Lynn Mazur, P.E., Development Review Engineer, has received her certification as a Floodplain Manager from the Floodplain Managers Association.

**21. Items from the Floor / Public Comment**

None.

**22. Adjourn**

With no further business to discuss, Chairman Eichenberg adjourned the meeting at 1:45 p.m.

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Ronald D. Brown, Secretary-Treasurer  
6/26/03

Recorded by Lori Webb  
Secretary to the Executive Engineer