



**Albuquerque Metropolitan  
Arroyo Flood Control Authority  
Regular Meeting Minutes  
August 17, 2006**

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**1. Call to Order and Roll Call**

Chairman Eichenberg called the Regular Board Meeting to order at 10:04 a.m. Thursday, August 17, 2006. Roll was noted as follows:

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

Others present: John Kelly, Executive Engineer  
Sam Bregman, Attorney  
Staff  
Other attendees on file at AMAFCA

A quorum was present.

**2. Approval of Agenda**

Mr. Kelly reported there were no changes to the agenda.

Director Hernandez made a motion to approve the agenda. Director Brown seconded the motion, which passed unanimously (5-0).

**3. Meetings Scheduled**

- a. September 21, 2006, 10:00 a.m. – Regular Meeting
- b. October 26, 2006, 10:00 a.m. – Regular Meeting
- c. November 16, 2006, 10:00 a.m. – Regular Meeting

The meeting of September 21, 2006 was changed to a 9:00 a.m. start time. There were no other changes to the meeting schedule. The revised schedule is as follows:

- a. **September 21, 2006, 9:00 a.m. – Regular Meeting**
- b. **October 26, 2006, 10:00 a.m. – Regular Meeting**
- c. **November 16, 2006, 10:00 a.m. – Regular Meeting**



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***Consent Agenda:***

**4. Approval of Minutes**

**a. June 29, 2006 Regular Board Meeting**

Director Hernandez noted that item 13 on page 8 of the June 29, 2006 minutes needed to be clarified. It was implied, but not directly stated at the meeting, that the riprap to be provided by Salls Brothers is more valuable than the dirt AMAFCA is providing in exchange. Without that clarification, AMAFCA's actions could be taken as preferential, which they are not. Chairman Eichenberg declared that the Board's action at that meeting was so clarified.

Director Hernandez made a motion to approve the minutes of the June 29, 2006 Regular Board Meeting. Director Lyon seconded the motion, which passed unanimously (5-0).

**5. Financial Matters**

**a. Approval of June and July 2006 Expenditures**

Irene Jeffries, AMAFCA Business Manager, had provided the Board with the June and July 2006 Expenditure Reports. There were no questions.

Director Lyon made a motion to approve the June and July 2006 Expenditure Reports. Director Brown seconded the motion, which passed unanimously (5-0).

**b. Investment Report**

For information only.

**c. Financial Recap June 16, 2006 through August 11, 2006**

For information only.

**d. Financial Forecast August 12, 2006 through September 15, 2006**

Ms. Jeffries had provided the Board with the Financial Forecast for the period August 12, 2006 through September 15, 2006.

Director Brown made a motion to approve the Financial Forecast. Director Hernandez seconded the motion, which passed unanimously (5-0).



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**e. Acceptance of Inventories**

Mr. Kelly stated that, in accordance with AMAFCA's Resolution 2002-5, *Capitalization Policy*, Larry Trujillo, AMAFCA Maintenance Supervisor, and Ms. Jeffries had conducted a physical inventory of all items listed on the inventory lists. Mr. Trujillo certified that all items on the Maintenance inventories were accounted for, and Ms. Jeffries certified the same for the Office inventories.

Director Brown made a motion that the Board accept the Inventory Lists as presented. Director Hernandez seconded the motion, which passed unanimously (5-0).

**f. Certification of Budget by DFA**

Mr. Kelly noted that the State's Department of Finance and Administration (DFA) had certified AMAFCA's budget. State Statutes require this fact be made a part of the minutes.

**6. Legal – Status Report**

Attorney Sam Bregman reported on the status of various legal matters. He added that he anticipated that attorney Jackie Bregman of his office would be attending the September 21 Board meeting in his stead.

**7. AMAFCA Legislative Liaison Services – Authorization to Advertise Request for Proposals**

Mr. Kelly stated that the current agreement for legislative liaison services was in its final extension. He asked for Board input on the proposed Request for Proposals (RFP), and recommended the Board authorize advertisement of the RFP.

After discussion, Board consensus was to broaden the language of the RFP to allow for the possibility of AMAFCA's asking the lobbyist to lobby organizations other than the New Mexico State Legislature. The Selection Advisory Committee would consist of the entire AMAFCA Board. RFP respondents should provide a complete client list to AMAFCA so that AMAFCA could determine if there were any conflicts of interest, rather than having the lobbyists themselves determine if there was a conflict of interest. The contract would be for a specific amount for the legislative session, plus an additional hourly rate for "other activities as directed by AMAFCA," which may include interim committee work, or lobbying at other than the state legislative level, if so directed.



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Director Hernandez made a motion that the Executive Engineer be authorized to advertise the Request for Proposals for Legislative Liaison Services. Director Lyon seconded the motion, which passed unanimously (5-0).

**8. South Diversion Channel Storm Water Quality Features – Selection Advisory Committee Recommendation for Recon Study, Design, and Construction Management Services**

Mr. Kelly introduced Clint Dodge, of ASCG. The memo from Christy Burton, AMAFCA GIS Manager, reported that five firms had submitted proposals by the deadline. The Selection Advisory Committee (SAC) had met on August 16, 2006, and recommended a contract be negotiated with ASCG, Inc., for Recon Study, Design, and Construction Management Services for the South Diversion Channel Storm Water Quality Features project.

Director Hernandez made a motion that the Board accept the recommendation of the Selection Advisory Committee, authorize the Executive Engineer to commence negotiations with ASCG, Inc., per the New Mexico Procurement Code, and consider approval of an Agreement for Engineering Services at the September 21, 2006 Board meeting. Director Brown seconded the motion, which passed unanimously (5-0).

**9. Calabacillas Arroyo Bank Protection Design – Approval of On-Call Engineering Services Task Order #9 with Wilson and Company**

The memo from Kurt Wagener, AMAFCA Field Engineer, requested authorization to issue a task order to Wilson and Company for Calabacillas Arroyo Bank Protection Design.

In response to questions from the Board, Mr. Kelly stated that the Calabacillas Arroyo is being maintained as a "naturalistic" arroyo. The cost of that naturalistic open space is the occasional need for major maintenance work. The proposed bank protection will help stabilize the bank and reduce erosion in the future, reducing maintenance costs. The bank protection is in the budget. Wilson and Company recently designed other bank protection in this area.

Director Hernandez made a motion that the Board authorize the Executive Engineer to issue Task Order #9 with Wilson and Company under their On-Call Engineering Services contract, for design of the Calabacillas Arroyo Embankment Protection Project, in the amount of \$24,675.00 plus NMGR tax. Director Brown seconded the motion, which passed unanimously (5-0).



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**10. Real Estate**

**a. Quitclaim/Release of Easement, Lot 21, Block 18, Tract 1, Unit 3, North Albuquerque Acres**

The memo from Lynn Mazur, AMAFCA Development Review Engineer, requested a Quitclaim/Release of Easement for a North Albuquerque Acres easement that was no longer needed under the current AMAFCA and County criteria for obtaining easements.

Director Hernandez made a motion that the Board authorize the Board Chairman to execute the Quitclaim Deed/Release of Easement for Lot 21, Block 18, Tract 1, Unit 3, North Albuquerque Acres. Director Brown seconded the motion, which passed unanimously (5-0).

Attorney Bregman noted a small change on the signature page of the final quitclaim/release of easement.

***Regular Agenda:***

- 11. Approval of Resolution 2006-10, *Ad Valorem Tax Levy, Debt Service Fund***
- 12. Approval of Resolution 2006-11, *Ad Valorem Tax Levy, Operating Fund***

Items 11 and 12 were discussed together.

Mr. Kelly introduced Lisa Fenner, of RBC Capital Markets, who presented the company's recommendation that the Debt Service mill levy remain at \$0.675 per \$1,000 assessed valuation. Ms. Fenner added that the Yield Control Act has no bearing on setting the Debt Service mill levy.

Ms. Fenner recommended that the Operating Fund mill levy be set at \$0.178 residential and \$0.454 non-residential. She pointed out that these rates were proportional to those calculated under the DFA's Yield Control Act, but were lower than the rates calculated under the Act. As such, they still have to be approved by the DFA.

She stated that these rates would fund the budget, and provide sufficient funds to be able to restore the annual contingency fund contribution to the \$200,000 level. She added that the credit rating agencies view the contingency fund balance and AMAFCA's annual contribution to the fund favorably, and consider it one of AMAFCA's strong points. She stated that, for this reason, it would be prudent to restore the contingency fund contribution to \$200,000, as it has been in the past, rather than the \$100,000 budgeted in the FY07 budget.



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She added that RBC Capital Markets did not include the valuation of the properties in "Baja Corrales" that had been taken out of AMAFCA's district in its calculation of the mill levy rate for the Operating Fund.

Ms. Fenner stated that due to a reduction in valuation of the non-residential property tax base, the mill levy for non-residential property would have to be raised slightly from the rate last year to keep the ratio of funds received from residential and non-residential properties proportional as is required by the Yield Control Act. The growth in the tax base for residential property allows a small reduction in the mill levy rate for residential properties.

Ms. Fenner further stated that the valuation of non-residential properties had declined 7.8% in 2006, in contrast to it growing 28% the prior year. The two-year average presents a more accurate view of actual growth rates, as last year's valuation was artificially high.

Mr. Kelly added that AMAFCA would work with DFA and Sandoval County in an attempt to avoid having the Operating Fund mill levy collected in the "Baja Corrales" area. He and Ms. Fenner anticipated that taxes collected without these properties, at the recommended mill levy rates, would meet the budget with an extra \$100,000 available to restore the contingency fund contribution to \$200,000.

He added that as mill levy rates set a new base for Yield Control Act calculations, RBC Capital Markets and staff are reluctant to drop the rates too far, simply to meet a budgetary requirement. By using the proposed mill levy rates, the contingency transfer can be restored to its former value.

Chairman Eichenberg questioned some of the total property valuation numbers used by RBC Capital Markets for 2005. He also asked why AMAFCA needed to continue to fund the Contingency Fund at \$200,000 per year when there have been few expenditures from the fund.

Mr. Kelly responded that the Contingency Fund was set up to pay for emergency work as well as expected rehabilitation and repair on existing structures. Some money in the Contingency Fund is fenced for certain projects.

Ms. Fenner added that, from a rating agency aspect, the strong credit rating and bond rating are, in part, due to the fact that AMAFCA has a healthy Contingency Fund. Both the size of the fund, at approximately \$4 million, and the fact that AMAFCA contributes \$200,000 to the fund annually, affect this rating. As the number of flood control facilities in the district grows, the fund to handle repairs and rehabilitation also grows.



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Mr. Kelly confirmed Director Hernandez's comment that, eventually, AMAFCA will need to tap the Contingency Fund for significant rehabilitation of some of its facilities (in particular funds that have been fenced for certain projects by Board resolutions).

In response to another question from Chairman Eichenberg, Ms. Fenner reminded the Board that RBC Capital Markets had advised the Board to consider increasing the amount and frequency of its bond elections. RBC Capital Markets also recommends that the tax rate be kept consistent, year to year, as it is an advantage to be able to tell voters at an election that they are approving bonds that will not result in a tax rate increase. The growth in the tax base in the district has allowed AMAFCA to develop a more aggressive bond schedule without increasing tax rates.

Discussion followed, concerning AMAFCA's bond schedule and maximum bonding capacity. Board consensus was that with an increased bonding capacity, AMAFCA could sell additional bonds without changing the tax rate.

Director Saiers made a motion that the Board adopt Resolution 2006-10, *Ad Valorem Tax Levy, Debt Service Fund*, setting the mill levy at \$0.675. Director Hernandez seconded the motion, which passed unanimously (5-0).

Director Lyon made a motion that the Board adopt Resolution 2006-11, *Ad Valorem Tax Levy, Operating Fund*, setting the mill levy at \$0.178 residential and \$0.454 non-residential. Director Hernandez seconded the motion, which passed (4-1). Chairman Eichenberg voted against the motion.

Ms. Fenner stated she would double-check the 2005 valuation numbers.

Directors Hernandez and Saiers briefly left the meeting after this vote, returning a few minutes later to participate in the closed-session discussion of the next item.

**13. Discussion of Specific Employees' Impending Retirements**

Director Brown made a motion that the meeting be closed, pursuant to the Open Meetings Act, §10-15-1 NMSA 1978, Subsection H, to preserve the confidentiality of the information to be discussed, and as further described in Attorney General Madrid's document, "*The Open Meeting Act, A Compliance Guide for New Mexico Public Officials and Citizens*," fifth edition, January 2004. Director Lyon seconded the motion.

Chairman Eichenberg stated that the closed session would be for purposes of discussion only, regarding limited personnel matters. The motion passed (3-0).



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Chairman Eichenberg closed the meeting at 10:58 a.m. The meeting was reopened at 11:45 a.m. He stated that the Board had taken no action during the closed meeting, but had discussed the impending retirements of specific AMAFCA employees. The matter had been referred to the Personnel and Salary Committee. The Personnel and Salary Committee would report back to the Board at the September 21, 2006 meeting.

**14. AMAFCA Resolution Review**

**a. Elections, Finance and Procurement**

Mr. Kelly introduced the AMAFCA resolution review of the resolutions involving elections, finance, and procurement regulations. Board discussion followed. Several resolutions were noted as needing revisions, and others listed as needing to be rescinded.

Consensus of the Board was the following:

- Resolution 1989-7 needs to be updated to agree with current state statute (the \$20,000 limit for professional services "small purchases" was raised to \$30,000 with a change to § 13-1-125, NMSA 1978, Small Purchases, effective July 1, 2005). The update to Resolution 1989-7 should also specifically rescind Resolution 75-11.
- Resolution 1997-12 might be revised to increase the Executive Engineer's \$5,000 contracting authority in particular types of procurements, such as obtaining rental equipment.
- Resolution 1999-17 needs to be generalized so as to not refer to a specific brand of credit card, or Board officers, staff, and bank by name.
- Resolution 1966-5 should be rescinded, as the procedures described have been obsolete since 1996.
- Resolution 1981-15 needs to be modified to change responsibility for bank deposits from the Executive Engineer to "the Executive Engineer or his designee."
- Resolutions 1996-7 and 1996-11 need to be modified to update contingency fund reserves.
- Resolutions 1998-15 and 2002-5 need to be modified to follow the requirements of recently revised state statutes regarding capitalization policy and inventory.





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**b. Discussion of Draft Resolution for Reimbursement for AMAFCA Goods and Services**

Mr. Kelly stated that staff had drafted a possible resolution for reimbursement for AMAFCA goods and services, pursuant to Board direction at the June meeting. He stated that the resolution was based on a City of Albuquerque resolution. The fees would be set and reviewed by the Board at least yearly. The Executive Engineer would be authorized to set a fee provided the Board were notified and approved the fee at the next Board meeting. Discussion followed.

Chairman Eichenberg pointed out the accounting nightmare that smaller fees could become. Also, he opined there should not be a service charge for copying mylars or plan sets, as those were usually freely provided between AMAFCA, the City, and project engineers on a cooperative, reciprocal basis. He stated his discomfort with charging for recording documents, stating AMAFCA would be liable if there were an error.

Chairman Eichenberg opined that if AMAFCA charged any fees, only significant items that were likely to bring in funds should be charged for, not the minor, low-cost items such as photocopies and CD checkout listed on the proposed fee schedule.

Mr. Kelly noted that the first three items on the proposed fee schedule, Quitclaim/Release, recording documents, and Utility License Agreements, would probably have about a \$10,000 a year budget impact.

In response to a question from Chairman Eichenberg, Brad Bingham of the City of Albuquerque commented on the fees charged by the City. Copying of items under the Public Records Act is \$1/page. Bond copies of mylars are \$12. There is significant income from drainage plan review fees, approximately \$50,000/yr., but not from the copying. His office does not charge for a few pages of copying.

Director Brown suggested that extensive duplicating could be sent out to be done at the requester's cost. He added that AMAFCA could charge for time spent in research and review of documents, but should not charge for "preparation" of those legal documents (license agreements, easements, and so on), as AMAFCA is not a law office.

Director Hernandez commented that if it became apparent that AMAFCA was being abused by a certain party, the Executive Engineer could decide to charge a fee for that service, if a policy such as this resolution were on record. However, AMAFCA needs to treat all fairly and without bias.



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Director Saiers, who had initially expressed support for the draft resolution, stated that perhaps it was not necessary. Mr. Kelly responded that the opinion of the Board appeared to be that the resolution was unnecessary at this time, but that staff should be alert to cases where perhaps AMAFCA should be charging for reimbursement for things that are beyond the normal level of customer service.

Director Lyon opined that AMAFCA should be reimbursed for some of the things it does for individual members of the public.

In response to a question from Director Lyon, Mr. Kelly stated that the proposed fees were based upon discussions with various staff members regarding the time investment involved in each activity.

Mr. Kelly added that AMAFCA has a standard quitclaim form that was drafted by an AMAFCA attorney and has been reviewed by several attorneys. When a quitclaim is needed, the AMAFCA form is used so that staff and/or AMAFCA's attorney do not need to review quitclaim documents drafted by other attorneys. Up to four hours can be spent researching the legal description and, in some cases, visiting the site in person, in order to complete the document accurately.

After further discussion, consensus of the Board was that AMAFCA could charge an administrative fee for time spent in research and review of documents, but should not charge for "preparation" of those legal documents (license agreements, easements, and so on). Only significant items that were likely to bring in funds should be charged for. There should not be a service charge for copying mylars or plan sets.

Chairman Eichenberg directed staff to revise the draft resolution pursuant to the Board's direction.

**15. West I-40 Diversion Channel Extension – Interim and Permanent Storm Drainage Improvements within West I-40 Corridor: Status Report**

Mr. Lovato introduced Leroy Chavez, of Westland Development, who was present.

Mr. Lovato gave a status report on the West I-40 Diversion Channel Extension – Interim and Permanent Storm Drainage Improvements within the West I-40 Corridor.

He stated that recent discussions between the parties have centered on budget concerns and the placement of certain project elements. A new surge pond is planned for 98th Street to minimize the pipe size needed under 98th Street, and to protect the 98th Street bridge



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abutments, at an additional cost of approximately \$1 million. The project was re-designed to find this \$1 million within the project.

He added that an increase in construction costs has caused an increase of \$1.6 million in the project's budget. He proposed that AMAFCA and Westland split that amount by increasing their funding by \$800,000 each. The NMDOT is unable to increase their funding, but will take on the risk of further cost increases in the project.

Director Lyon made a motion that AMAFCA increase the funding of the West I-40 Diversion Channel Extension Project by \$800,000 to cover the costs of increasing material and installation costs, subject to Westland also increasing their funding by \$800,000. Director Hernandez seconded the motion.

In response to a question from Director Saiers, Mr. Kelly stated that some planning projects would have to be slowed down to come up with AMAFCA's portion of this money, but no construction projects would be delayed. At the time the agreement is signed, AMAFCA cannot exceed the amount remaining on the 2004 Bond Authorization.

Director Saiers expressed support of the increase in funding. Directors Brown and Hernandez pointed out that construction costs were up, and, reluctantly, this was the cost AMAFCA would have to pay. If the project were delayed, it would simply cost more at a later time.

Chairman Eichenberg stated he'd rather increase funding to a level where there is a buffer to deal with additional cost increases, by increasing AMAFCA's funding to \$5 million (an increase of \$1 million), and Westland's contribution in funds and services from \$2.1 million to \$3 million (an increase of \$900,000).

After discussion, the consensus of the Board was to build a small buffer into the budget by increasing funding by \$1.9 million, split 50-50 between AMAFCA and Westland. Mr. Chavez stated he would need approval of his Board, but thought he could obtain approval from them for this increase.

Director Lyon withdrew his original motion, and Director Hernandez withdrew his second.

Director Lyon made a motion that AMAFCA increase the funding of the West I-40 Diversion Channel Extension Project by \$950,000 to cover the costs of increasing material and installation costs, subject to Westland also increasing their funding by \$950,000. Director Hernandez seconded the motion, which passed unanimously (5-0).



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**16. Don Felipe Watershed Drainage Management Plan – Approval of Engineering Services Contract with Bohannon Huston, Inc.**

The memo from Ms. Mazur stated that staff had negotiated an engineering services contract with Bohannon Huston, Inc. for the Don Felipe Watershed Drainage Management Plan. The fee schedule is within the budgeted range for this project, and is less than the average of the blind fee estimates received from the firms who responded to the RFP. Staff recommends approval of the Agreement.

Director Hernandez made a motion that the Board approve the Agreement with Bohannon Huston, Inc., to provide Professional Engineering Services for the Don Felipe Watershed Drainage Management Plan in the amount of \$152,998.50, excluding New Mexico Gross Receipts Tax. Director Brown seconded the motion, which passed unanimously (5-0).

Chairman Eichenberg stated that lunch would be served during item 17. He called a brief recess at 12:33 p.m. The meeting resumed at 12:45 p.m.

**17. 2006 Interim Legislative Committee Reports – Briefing by New Mexico Outsourcing**

Mr. Kelly introduced Maurice and Mary Hobson, of New Mexico Outsourcing, Inc. Mr. Hobson reported on the 2006 Interim Legislative Committees, in particular the Water and Natural Resources Committee, and the Revenue Stabilization and Tax Policy Committee.

Mr. Hobson stated that Governor Richardson had declared this the "Year of Water," signaling an emphasis on regional planning efforts and proposed funding for special water projects through the Water and Natural Resources Committee. He stated the Revenue Stabilization and Tax Policy Committee anticipates between \$500 million and \$1 billion will be available to fund special projects, depending on the price of oil.

He also spoke briefly about the New Mexico Finance Authority Oversight Committee. He expects GRIP II to be revisited in the next session.

He added that State Representative Daniel Silva had agreed to sponsor a bill seeking to increase AMAFCA's bonding capacity limit, from \$40 million to either \$60 or \$80 million. The increase in the cost of construction materials and the general escalation of construction prices should make this a fairly "easy sell." Representative Silva is Chairman of the Transportation Committee, is well-respected in the legislature, and is very aware of all that AMAFCA has done over the years.



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Director Hernandez asked about projects for which AMAFCA might like to seek state capital improvements funding

Mr. Kelly responded that he would discuss possible capital improvement projects with the City and County. Two projects that immediately came to mind for possible state funding were the Paradise Storm Drain and the Osuna Storm Drain. Director Saiers added that state senators and representatives were already working on their capital outlay requests, so AMAFCA should identify such projects soon. Mr. Hobson added that the legislature needs to have all such requests by October.

Mr. Hobson stated that there might be a need to create a mechanism whereby smaller counties finding themselves in need of flood control could set up a mill levy to partially fund Corps of Engineers projects, without having to hire local people to manage the funds or projects, perhaps relying in part on AMAFCA staff expertise.

**18. Field Highlights**  
**a. Construction Report**  
**b. Field Report**

Staff presented a slide show of current AMAFCA projects and the effect of recent record rains on AMAFCA facilities and projects.

Mr. Lovato discussed pictures of the West I-40 Diversion Channel Phase III Project, which is proceeding satisfactorily. The project worked as designed, and is nearly complete. The landscaping is also nearing completion.

Mr. Wagener discussed photos of the La Cueva, Amole Phase III, and North Camino Arroyo Projects. Concrete placement will begin soon on the La Cueva Project. Concrete placement is proceeding satisfactorily on the Amole Phase III Project. The North Camino Arroyo Project is basically complete.

Ms. Burton discussed the Isleta/Hartline Storm Drain Project. The contractor is using pumps to keep the construction site dry, which is also helping to keep area streets from flooding when it rains.

Mr. Wagener discussed recent emergency repairs to the concrete lining and floor of the Embudo and Hahn Arroyos. Salls Brothers repaired the Embudo in only two days. The Hahn repairs also took less than a week.



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Mr. Wagener also discussed localized flooding that occurred on El Pueblo Road at the North Diversion Channel due to water flow greater than the culvert could handle, possibly due to plugging or an undersized culvert.

Mr. Kelly added that since the flooding on El Pueblo Road had occurred twice this summer, including after the culvert had been unplugged, he planned to have an on-call engineer study the watershed with an eye towards upsizing the culvert to handle greater flows.

Mr. Kelly also discussed the AMAFCA crew's emergency slope protection repairs on the Calabacillas Arroyo beginning on Sunday, August 6. Extensive erosion undermined and moved pipes, electric lines, a light pole, and a fence. The erosion extended past the Simons and Li prudent line established in 1983. That erosion analysis was based on "25 years of erosion or a 100 year event." The new criteria for a prudent line analysis is "30 years of erosion plus a 100 year event." Upstream, AMAFCA has a drainage easement beyond the Simons and Li line. When the property in this area is developed, AMAFCA will ask for improvements and/or a larger easement here as well.

Mr. Wagener also showed pictures near the Swinburne Dam, further upstream. The "caliche hills" area of the Calabacillas was undermined about 6 or 7 feet and a portion caved off. The AMAFCA crew protected that area by filling it in with dirt. All of the emergency repairs to the Calabacillas Arroyo held during a storm later that night.

Mr. Kelly pointed out a picture of the riprap (obtained from Felix Rabadi last year), that the crew had placed along the south side of the Calabacillas near Eagle Ranch. That portion of bank protection had worked well. The Wilson on-call task approved earlier in the meeting would design protection for the toe of the bank on both sides of the arroyo between Coors and Eagle Ranch.

Other pictures of AMAFCA facilities after the rainstorms showed dirt and boulders, along with some erosion, at the North Domingo Baca Dam, and exposed pipes at the North Outfall. He also showed some pictures that illustrated a "hydraulic jump," which was further explained by Mr. Lovato and Mr. Kelly.

Mr. Lovato reported on the Los Indios Detention Basin, which flows into the Raymac Dam. It had water in it for the first time in ten years as a result of the July 28 storm.

Ms. Mazur reported there was some flow over the road at Eagle Rock east of Eubank, in North Albuquerque Acres. The Avulsion Four project improvements worked as designed.



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Mr. Wagener discussed further pictures of the San Antonio Arroyo, and a car stuck on the baffle structure at Amole del Norte (a subsequent storm apparently dislodged the car). A 19-year-old was pulled out of the Embudo on August 15. The Harvey Jones Channel in Corrales nearly filled with 8 feet of sediment, leaving approximately 2 feet freeboard. It had been completely clear only a month prior.

Mr. Lovato discussed pictures of storm events in the South Valley. West of Coors Boulevard, just off Los Padillas Road, there is a small diversion that takes water to the McCoy Dam. A sediment plug on the Isleta Pueblo side required permission from the Pueblo to clear. Severe erosion on Raymac Dam Road, west of the Raymac Dam, suggests a possible future joint AMAFCA/County project to protect the road.

Mr. Eckert commented on photos of the North Pino Arroyo through the Tanoan Golf Course.

Mr. Lovato reported the Las Ventanas Dam filled with a record amount of water. The dam later developed one large and several smaller sinkholes, which were filled with grout and backfilled. A representative of the State Engineer's Office was on hand to observe the repairs. The emailed report of this problem came in via a new webpage staff had added to the AMAFCA website earlier that day.

Mr. Wagener concluded the Field Report by stating that AMAFCA's facilities generally worked well, with some erosion in places. There was no loss of life and no serious loss of property. Other areas of the state had far more damage from the recent rain storms.

**c. USGS Report on Summer Flood Events and Rainfalls**

Mr. Kelly introduced Jack Veenhuis, Orlando Romero, and Todd Kelly, of the USGS. Mr. Veenhuis discussed rainfall data from this summer's storms with the help of a PowerPoint presentation.

He reported on flows in various channels and arroyos. The USGS's Bear Canyon Arroyo gauge, located in the foothills, had measurable storm flow for the first time since 1998. Several arroyos had record-high peak flows. Several gauges were overtopped and the flow rate will have to be calculated. A storm on the west side had the second-highest flow rate ever recorded. Several feet of sediment filled the lower section of the Calabacillas Arroyo. They estimated the flow rate for this storm at 1500-2000 cfs.

He pointed out that recent rains were some of the heaviest the Albuquerque area has received in the last two decades. Rainfall plots of several storms showed how one area of town might receive 2 inches of rain, and another area would receive nothing from the same storm. Several



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storms had more than one main cell of rain activity. Some final charts compared recent rains to the heaviest rains in the past in "annual storm frequency" charts.

**19. Unfinished Business**  
**a. Stilt Houses**

Mr. Kelly reported that the hearing at the County on the appeal of the stilt house side yard setback is set for next week. He will report back to the Board at the September meeting. Ms. Mazur had viewed the area after recent storms and has expressed her concern over the proposed location of the stilt house.

**20. New Business**

**a. AMAFCA 2006 Bond Committee**

Mr. Kelly reported that the 2006 Bond Committee had met for the first time and elected officers. Kurt Browning will chair the committee of 19 members. The committee set a \$25,000-30,000 fundraising goal, with excess funds, if any, to be donated to the Ditch Safety program. Griffin and Associates was chosen to handle the marketing campaign. Use of a billboard on Paseo del Norte has been donated to the Bond Committee by Vantage-RayLee Homes. The next meeting of the committee is August 28, 2006 at 5:00 p.m.

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

None.

**22. Adjourn**

With no further business to discuss, Chairman Eichenberg adjourned the meeting at 2:10 p.m.

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Daniel F. Lyon, Secretary-Treasurer 9/21/06

Recorded by Pam Woodruff, Secretary to the Executive Engineer