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Arroyo Flood Control Authority
Regular Meeting Minutes
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1. Call to Order and Roll Call

Chairman Eichenberg called the Regular Board Meeting to order at 10:06 a.m. Thursday, November 21, 2013. Roll was noted as follows:

Directors present:	Chairman Tim Eichenberg Director Danny Hernandez Director Bruce M. Thomson Director Ronald D. Brown
	Director Ronald D. Brown left at 11:09 a.m.
Attorney present:	Attorney Marcus Rael, Jr.
Directors excused:	Director Daniel F. Lyon
Others present:	Jerry M. Lovato, P.E., Executive Engineer Staff Other attendees on file at AMAFCA

A quorum was present.

2. Approval of Agenda

Director Brown asked that items 17 and 18 be moved up on the agenda due to the fact that he had to leave at 11:10 a.m. to attend another meeting. Both agenda items affect his District and he would like to discuss them. Chairman Eichenberg asked if there was anyone here for these items to which there was no reply from the audience. Chairman Eichenberg approved the referenced agenda items to be discussed after agenda items 9a & 9b.

Chairman Eichenberg made a motion to approve the agenda, as amended. Director Brown seconded the motion, which passed (4-0).

3. Meetings Scheduled

- a. **Thursday, December 19, 2013, 10:00 a.m. – Regular Meeting and Holiday Luncheon**
- b. **Thursday, January 23, 2014, 10:00 a.m. – Regular Meeting**
- c. **Thursday, February 27, 2014, 10:00 a.m. – Regular Meeting**

No changes were made to the meeting schedule as presented.



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4. Items from the Floor/Public Comments

Chairman Eichenberg noted that tomorrow marked the anniversary of the 50th anniversary of President John F. Kennedy's assassination. He asked the audience who were old enough to remember where they were on this day in history to do so. He requested a moment of silence and remembrance be taken in honor of our late President. Moment of silence was concluded.

There were no other public comments.

Chairman Eichenberg noticed that Mr. Charlie Bennett, La Mesa Neighborhood Association, had just walked in and advised that he already announced items from the floor and public comments and asked if he was here for that topic. Mr. Bennett stated that he was not planning to make any public comments.

5. Approval of Minutes

a. October 24, 2013 Regular Meeting

Director Brown made a motion to approve the minutes of the October 24, 2013 Regular Board. Director Thomson seconded the motion, which passed (4-0).

Director Thomson advised that he had a question on the wording in the minutes on page four under Legal Status Report: Mr. Lovato stated that the memo from Marcus Rael briefed the Board. While the wording of the memo was in question and has an action verb, it was agreed that the wording may remain.

b. November 7, 2013 Special Meeting

There were no questions.

Director Brown made a motion to approve the minutes of the November 7, 2013 Special Board. Director Hernandez seconded the motion, which passed (4-0).

6. Financial Matters

a. Approval of October 2013 Expenditures

Ms. Jeffries presented the October 2013 Expenditure Report. There were no questions.

Director Brown made a motion to approve the October 2013 Expenditure Report. Director Hernandez seconded the motion, which passed (4-0).



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b. Investment Report for October 2013

Ms. Jeffries presented the Investment Report for October 2013, stating that this was an information item and no action was required.

In response to a question from Chairman Eichenberg, Ms. Jeffries stated that AMAFC A is earning 0.1109% interest on its funds in the Local Government Investment Pool.

c. Financial Recap October 16, 2013 through October 15, 2013

Ms. Jeffries presented the Financial Recap for October 16, 2013 through November 15, 2013.

Chairman Eichenberg inquired if there was anything done drastically here. Ms. Jeffries answered that the Construction fund had been forecasted at \$350,000.00 for expenditures, however when invoices came in they totaled \$600,077.00. The increase was attributed to invoices from Bernalillo County for the Vista Del Rio Drainage Project in the invoiced amount of \$393,257.00 and also the Bernalillo County Isleta Recon Phase II Project in the invoiced amount of \$36,000.00.

Director Hernandez asked when AMAFC A was expecting these invoices. Mr. Lovato advised that the Isleta Recon Phase II Project is the last part of the project from two years ago and Bernalillo County needed to finish the LOMR work and could not invoice until done. Mr. Lovato stated that the Vista Del Rio Drainage Project came in about the right time.

Chairman Eichenberg inquired if there was an impact on the LGIP funds due to an early withdraw. Ms. Jeffries and Mr. Lovato answered that an early withdraw was not a problem.

d. Financial Forecast November 16, 2013 through December 15, 2013

Ms. Jeffries presented the Financial Forecast for the period November 16, 2013 through December 15, 2013. She noted that the recommended actions for the Operating Fund included payments on two pay periods. Recommended actions for the Capital Projects/Construction Fund included payments to Salls Brothers, and payments on various engineering invoices.

Chairman Eichenberg asked when tax collections disbursements will be made for November. Ms. Jeffries advised that the tax disbursements will be made on December 20th.

Director Brown made a motion that the Board approve the Financial Forecast. Director Hernandez seconded the motion, which passed (4-0).



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7. Legal

a. Status Report

Mr. Marcus Rael, Jr. briefed the Board on the Legal Status Report for October to November 2013. He advised that a memorandum was prepared for staff on the changes to the Procurement Code from the Legislative Session and a presentation to staff was made on these changes to the Procurement process.

Director Thomson inquired on why the recent meeting to AMAFCA staff was not listed on the Legal Status memo. Mr. Rael stated that staff meeting happened later in the month and the Legal Status goes through the first 15 days of the month. This particular item will appear on next month's Legal Status Report.

Director Brown made a motion that the Board approve the Financial Forecast. Director Hernandez seconded the motion, which passed (4-0).

8. Personnel and Salary Committee Recommendation – Cost of Living Adjustment (COLA) for AMAFCA Staff (m/o)

Mr. Lovato advised that the Personnel and Salary Committee met with him on several occasions pertaining to the possibility of a COLA for AMAFCA Staff. At the October Board Meeting the Board recommended that a Resolution come before the full Board at the November Board meeting. Per Resolution 2012-18, Employee Compensation Policy, a Resolution is not required, just approval by the Board of Directors and direction to the Executive Engineer. He requested that the Board approve the action recommend by the Personnel and Salary Committee.

Director Hernandez acknowledged that staff had not had a COLA in a long time.

Chairman Eichenberg acknowledged that staff was certainly deserving of a COLA. Staff was commended for their patience over the last four years while they and everyone else felt the impact of the recession at the National, State and local level. He expressed his thanks that taxes were not raised on the people the Board serves.

Director Brown made a motion that the Board approve the COLA. Director Hernandez seconded the motion.

Chairman Eichenberg asked what the cost will be for the COLA. Mr. Lovato advised that it will be approximately \$12,000.00 for FY 14.



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Director Thomson advised that there was some discussion by the Personnel and Salary Committee to adjust the base pay for some of the professional staff. It is the Personnel and Salary Committee's intention to see that it is done within the next month or two. Mr. Lovato advised that work should be done by the January Board meeting as AMAFCA starts the new fiscal year's (2015) budget. Director Hernandez mentioned that schedules get hectic around that time. Director Thomson wanted to make sure that the full board was aware of the intentions of the Personnel and Salary Committee on this item.

The motion passed (4-0).

9. Executive Engineer's Report

a. Notification of Past Month's Activities

The Executive Engineer's Report highlighted significant activities of the past month.

Between his memo and further information given in the meeting, Mr. Lovato covered the following:

- **US Army Corps of Engineers (USACE) – Middle Rio Grande Bosque.** The Albuquerque District, in conjunction with the Bosque Ecosystem Monitoring Program, hosted a tour of the Rio Grande Bosque on October 25, 2013. This was attended by Director Hernandez and arranged on behalf of AMAFCA. The tour looked at changes made in the habitat of the Rio Grande Bosque as a part of the created wetlands at Tingley Beach and the bank lowering that was done as a part of the Albuquerque Overbank Project.
- **Southwest Valley Flood Reduction Project Phase II.** The USACE Albuquerque District is addressing comments from 95% review from a couple of months ago and is trying to finalize the project documents as we speak and this work is scheduled be completed by the end of the calendar year. The second amendment to the PCA was sent to the COE headquarters for approval. Due to the government shutdown it has not been reviewed and no word has been received on when it will be reviewed.
- **WRDA 2013** is in conference right now and AMAFCA has been told it will be passed by the end of the calendar year, but there is no word on if this will happen or not. The passage awarded does not affect the funding for Phase II; this is for other work. Federal funding for Phase II is contingent on passage of the Continuing Resolution to the end of FY 14. The current Continuing Resolution is good until January 15 and the Albuquerque District cannot put any funds toward bidding work on Phase II until they have the Resolution until the end of the fiscal year. A partial and future will still negate income.
- **Pond 187** AMAFCA has started preliminary work to identity portions of the Phase II work that can be done now to minimize the structure of the COE project. AMAFCA will



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identify exactly what can be taken out of their lump sum item that AMAFCA can do and if the COE receives funding in January AMAFCA would let them complete the project. The excavation of Pond 187 will be done without effecting APS and Rio Grande HS as they are trying to move materials. If funding comes from the Federal Government then the COE will finish the 187 project. If funding is not taken care of by mid-January AMAFCA will then finish the Pond 187 project and the outfall pipes that AMAFCA was going to do will be turned over to the COE to complete at a later date. This should be advertised very quickly and awarded at the December Board meeting or possibly have a Special Board meeting.

- **City of Albuquerque (COA) – Proposed Changes to the City of Albuquerque Drainage Ordinance.** The Proposed Changes to the City of Albuquerque Drainage Ordinance has been approved by the City Council. The Ordinance takes a regional approach to compliance with the NPDES discharge permit. AMAFCA worked with City staff and City Council staff to get this done.

Web EOC and Advance Flood Warning. Roger Ebner, Director of the City of Albuquerque APD/Office of Emergency Management, is working with AMAFCA concerning participation in advance flood warning and flood EOC. They are also looking for grant funding for an emergency advanced warning system for flooding in the channels so that residents and kids will not be washed down. This will be funded by FEMA and the New Mexico Homeland Security Division. AMAFCA will be providing additional funding for that program. This is a web-based, user-friendly, and locally-configurable incident and event management system. AMAFCA would gain access to 168 cameras operated by the Albuquerque Police Department in Albuquerque, which it could use to monitor flooding and runoff. AMAFCA will use the program with Water Quality telemetry.

In response to a question from Director Thomson, Mr. Lovato stated that AMAFCA's contribution would be about \$10,000.

- **Bernalillo County – Emergency Action Plan Field Exercise.** This has been scaled back to a tabletop exercise. The exercise will be rescheduled sometime in early 2014. AMAFCA will hold its own tabletop exercise to test the AMAFCA EAP for North Domingo Baca Dam before the end of the year.
- **North Valley Drainage Management Plan.** Bernalillo County Commissioner Talbert has received complaints about flooding and drainage in the North Valley. That plan is covered by AMAFCA's North Valley Drainage Management Plan, but has never been approved by the AMAFCA Board of Directors. The plan itself is currently in draft form and was based on assumptions that are no longer valid. It is prudent that AMAFCA



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bring the plan up to good standards. The revision to the North Valley Drainage Management plan will be the subject of a future AMAFCA request for proposals.

- **Southern Sandoval Arroyo Flood Control Authority** (*Black Arroyo Watershed Management Plan*) - AMAFCA's sister agency to the west, SSCAFCA, has completed the Black Arroyo Watershed Management Plan. They allowed AMAFCA input into the plan as it drains into AMAFCA's Black Dam. SSCAFCA will be invoicing AMAFCA for that work.

Mr. Lovato updated the Board on Emergency Repair work. The AMAFCA crew has been out doing a lot of emergency repairs within the last six to seven weeks, mainly at Calabacillas and San Antonio Arroyos. All the emergency work has been completed. Permanent work will be part of the Agency and Area-Wide Contract as well as the Calabacillas Project. Mr. Lovato thanked the crew and Mr. Kurt Wagener for pushing this effort, stating that this effort has been a lot of work and AMAFCA is in good shape.

Director Brown wanted to point out two issues within the North Valley that have held up adoption of the North Valley Drainage Management Plan. One issue is the ponding area north of Paseo del Norte. The other issue is the anticipated diversion within Pueblo of Sandia at the lower end of Roy Road. Mr. Lovato advised that AMAFCA does not have an agreement with the Village of Los Ranchos to excavate that area near Paseo del Norte and 4th street. AMAFCA also does not have an agreement with the Pueblo of Sandia. These are two points that are really needed in the North Valley Drainage Management Plan.

Director Thomson had brought up a complaint to staff that he was informed of about two to three weeks ago. There was an erosion problem in the South Valley Phase I Project down near the Lakeview area. When he spoke with the individual who reported it to him last week he was informed that AMAFCA got it fixed right away and the individual was very complimentary and surprised. Mr. Wagener advised that this work was actually done by Bernalillo County. Once AMAFCA researched the issue and saw that it was in Bernalillo Counties area of responsibility Bernalillo County was contacted and it was taken care of right away. Director Thomson advised that regardless of which agency handled, the system worked the way it was supposed to. Another note on this subject, during the talk with Director Thomson it was mentioned that there were not a lot of mosquitos in that area this year.

b. Notification of On-Call Services Task Orders

Mr. Lovato referred to his memo on the on-call task orders that had been issued since the last Board meeting. No Board action was required.

Agenda items 17 and 18 (on the next page) were moved up, per the amended agenda listed above.



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17. Hamilton Dam – Alternatives Study (m/o)

Mr. Brad Bingham briefed the Board on the Hamilton Dam Alternatives Study.

The North Albuquerque Acres Drainage Management Plan identified avulsions that would impact the NE Heights. This particular project addresses additional flows within the El Camino Arroyo due to an avulsion from the North Camino Channel. AMAFCA purchased 13 acres of land for Hamilton Dam. The 1993 AMAFCA re-study of the La Cueva and El Camino Arroyos, as well as several subsequent LOMR's were impacted by questions regarding peak flow rates due to potential upstream avulsions. One avulsion that affects a majority of the El Camino Arroyo has not been addressed.

The presentation provided by Mr. Bingham, as well as in the Board mailout recapped the following:

Avulsion #1 situated east of Tramway Blvd (on the Pueblo of Sandia) where the North Camino and El Camino Arroyo are in close proximity has not been addressed. It is possible that during a large rain event, flows in the North Camino Arroyo could overwhelm its banks and jump over to the El Camino Arroyo resulting in flows rates in the El Camino increasing from approximately 650 cfs to 2150 cfs.

To address potential flooding downstream from Avulsion #1, two options were considered by AMAFCA, 1. the construction of a 1000-ft long dike between the two arroyos, and 2. the construction of the Hamilton Dam on the El Camino Arroyo. Both options would limit flows downstream. AMAFCA purchased 13 acres of land for Hamilton Dam and started a dialog with the Pueblo of Sandia. Since the adoption of the NAADMP in 1998, flood control infrastructure downstream of the avulsion has been designed and constructed for the lower flow rate of 650 cfs.

Staff feels that it is time to address Avulsion #1 and ensure that flows in the El Camino do not exceed the flow rates that were dictated in the NAADMP. Staff continues to have a dialog with the Pueblo of Sandia concerning the construction of a dike on traditional Pueblo Land, but it is now prudent to evaluate the design and construction of the Hamilton Dam.

AMAFCA tasked Bohannon Huston (BHI) to prepare the Hamilton Dam Alternatives Study to analyze a number of different conceptual design alternatives. Vacant parcels immediately upstream of the AMAFCA property, approximately seven acres, was assessed to determine if that was a better site to locate a dam, but that site was deemed unsuitable, therefore the location of Hamilton Dam would be on the AMAFCA property.



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Eight different design scenarios were developed and analyzed for a minimum storage requirement of 100 ac-ft. and maximum discharge of 650 cfs. Variations in the design criteria include embankment height, pond bottom elevations, and interior and exterior slopes. Iterations 1, 2, 3 & 5 did not achieve the required storage and no further analysis was done. Iterations 4, 6 & 7 achieved the necessary storage capacity, but realigning Eubank (as a dip section) to the east would be necessary. Iteration 8 leaves Eubank in its current location but would require the road to be elevated to allow an inlet structure to be installed.

There are currently more than 100 properties impacted by the floodplain, and about half of those properties are already developed. The properties that have been developed, were developed using the lower flow rate. If the dam is constructed and the outlet pipe in Glendale is extended to the existing stormdrain at Barstow, it appears that 75 properties, 41 developed, could be removed from the floodplain.

The construction of Hamilton Dam will insure that downstream infrastructure already constructed will not be overwhelmed. AMAFCA required four basic designs that were evaluated to address cost and public concerns with building a new dam in a partially developed area.

Mr. Bingham asked about input from the Board on the design elements for when AMAFCA goes out for request for proposal.

Director Brown stated that the realignment of Eubank should not be an enormous constraint as there are no water or sewer lines. Mr. Bingham acknowledged that there are no water or sewer lines in this area. Director Brown would be in favor of a larger capture and a lower flow and more naturalistic treatment of the arroyo. The difference in elevation on the dam will be two to four feet. Approximately a mile and a quarter of natural arroyo would receive lower flows.

Chairman Eichenberg asked what the capacity of Barstow currently is. Mr. Bingham advised that Barstow is sized for the existing conditions of 890 cfs with the assumed avulsion control.

Director Brown inquired about the cost of the project. Mr. Bingham advised that there are estimates in the range of \$6.5 to \$8.0 million depending on depth, inlet, spillway, etc. Earthwork for removal and haul away is estimated at around \$1.4M. The spillway would be the largest cost. Mr. Bingham introduced Mr. Brad Summerall from BHI who was instrumental in getting all the exhibits together.

Director Hernandez asked about alternative uses in this area. Mr. Bingham advised that there is not much that could be done due to the size of land available and depth of facility. There could be a pocket park that would encompass about a half acre. Director Hernandez advised that the neighbors in that area do prefer a wide-open space.



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Director Brown asked how much would be excavated from the area it does not lower the bottom near Eubank. Mr. Bingham advised it would be around 13 feet lower in order to avoid not having a high volume count within State Engineer requirements. The spillway would be constructed with soil cement to blend into the area.

Director Thomson stated that there are some residents that will be losing some of their view (of the mountains). Mr. Bingham advised it might go up four feet and that information was something that would be provided to the residents.

Director Hernandez asked that there be a neighborhood design charrette to provide information to the neighborhood and find out what the neighborhood would prefer.

Director Thomson advised that it would be nice to have a high infiltration rate in the arroyo. The Bear Canyon Arroyo is currently having large infiltration rates. In comparison Barstow would have substantially less flow.

**18. Assignment of La Cueva Tributary Storm Drain Easement to Bernalillo in NAA
(m/o)**

The presentation provided by Ms. Lynn Mazur, AMAFCA Development Review Engineer, as well as in the Board mailout recapped the following:

The Drainage Easement was granted to AMAFCA by Sandia Properties, Ltd. for the storm drain in 1987. AMAFCA does not maintain this area even though it is in an AMAFCA easement. Tract 12-A-2 of Sandia Heights South, Unit 30, is a three acre lot south of Futures for Children on north Tramway Boulevard. Futures for Children no longer needs the property and the area is up for replatting. The La Cueva Tributary Arroyo has been confined to a concrete section east of Tramway Boulevard on the north side of the Outpost Ice Arena and a concrete box culvert under Tramway Boulevard. On the west side of Tramway it enters a 72-inch storm drain that runs through Tract 12-A-2. AMAFCA owns and maintains the La Cueva Tributary Channel, the New Mexico Department of Transportation maintains the box culvert, and the storm drain maintenance has been unclear. The storm drain was installed in the late 1980's by Sandia Properties, Ltd. before the channel and box culvert. In 1994, AMAFCA entered into a funding agreement with Sandia Properties for construction and maintenance of the improved La Cueva Tributary Channel east of Tramway. The recitals state that Bernalillo County maintains the storm drain within the AMAFCA Drainage Easement.

Bernalillo County has agreed to accept maintenance of the storm drain and the easement.

Staff recommends the Board approve the Assignment of Easement, substantially the same as attached, and authorize the Chairman to execute the La Cueva Tributary Arroyo Storm Drain



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Assignment of Easement.

Director Brown advised that the water coming out of the pipe rips through the 72 inch pipe. The energy dissipater there is scary. Ms. Mazur advised this was a UNM study and the design engineer was very embarrassed. This was a very early design.

Director Thomson made a motion that the Board approve the Assignment of La Cueva Tributary Storm Drain easement to Bernalillo County in NAA. Director Hernandez seconded the motion, which passed (3-0).

Chairman Eichenberg called a brief recess at 11:17 a.m. The meeting resumed at 11:37 a.m.

Consent Agenda:

Chairman Eichenberg stated that the agenda items 10 through 14 were on the Consent Agenda.

10. Consideration of On-Call Services Contracts – Real Estate Survey Services

The memo from Jeff Willis, AMAFCA Real Estate Manager, stated that On-Call Real Estate Appraisal Services Agreements had been negotiated with the three selected firms: Commercial Appraisal, Inc., Brooks Pearsall Zantow, LLC, and Shipman Foley and Associates. The memo requested Board approval of the contracts, and authorization for the Chairman and Secretary/Treasurer to sign the agreements.

11. Consideration of On-Call Services Contract – Geotechnical/Environmental Services

Mr. Willis' memo stated that an On-Call Geotechnical/Environmental Services Agreements had been negotiated with the four selected firms: AMEC Environmental & Infrastructure, Inc., Terracon, X8e Vinyard, and Kleinfelder West, Inc. The memo requested Board approval of the contract, and authorization for the Chairman and Secretary/Treasurer to sign the agreement.

12. Consideration of Third Extension of Professional Services Agreement with Griffin and Associates

The memo from Jeff Willis, AMAFCA Real Estate Manager, stated that the Ditch and Water Safety Task Force had met and approved the extension of the Professional Services Agreement with Griffin & Associates for next year. This will be the third extension of the agreement approved by the Board at the November 2010 meeting. The recommendation includes no



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increase in rates for this extension. The memo requested Board authorize the Executive Engineer to extend the agreement with Griffin & Associates for one year.

13. Consideration of Selection Advisory Committee Recommendation

The memo from Karen Stearns, AMAFCA Storm Water Quality Engineer, stated that eight proposals were received for the On-Call Storm Water Quality / Environmental Engineering Services. SWPPP Managers, LLC was found non-responsive, because they did not acknowledge receipt of the addendums. Originally, Souder Miller was thought to be nonresponsive based on including a table of contents. However, upon further review, it was decided that the table of contents should not be included in the page count since it did not provide any additional information not already included in the proposal and previous successful proposals included a table of contents. The Selection Advisory Committee met and recommended selection of Bohannon Huston, CDM Smith, and NCS Engineers. The memo requested that the Board approve the selection of these firms, and authorize the Executive Engineer to negotiate agreements with them.

14. Request for Travel Authorization – World of Concrete Conference and Trade Show, Las Vegas, Nevada, January 20 - 24, 2014

The memo from Mr. Lovato stated he would like to send two crew members to the World of Concrete Conference and Trade Show in Las Vegas, Nevada, January 20 – 24, 2014. The conference is expected to be of great benefit to AMAFCA. Costs were estimated at \$1,150.00 per person, for a total of \$2,300.00. Mr. Lovato recommended that the Board authorize out of state travel for two crewmembers to attend this conference, at a cost not to exceed \$2,300.00.

Chairman Eichenberg asked who would be attending. Mr. Lovato and Mr. Wagener advised that Mr. Andre Geoffrion and Mr. Mark Ramirez will attend.

There being no additional questions, and no further items on the Consent Agenda, Director Hernandez made a motion that the Board:

- Approve the On-Call Services Contracts for Real Estate Appraisal Services (m/o) - and the respective fee schedules with Commercial Appraisal, Inc., Brooks Pearsall Zantow, LLC, and Shipman Foley and Associates, and authorize the Chairman and Secretary/Treasurer to execute the agreements;
- Approve the On-Call Services Contracts for Geotechnical/Environmental Engineering Services (m/o) - and the respective fee schedules with AMEC Environmental & Infrastructure, Inc., Terracon, X8e Vinyard, and Kleinfelder West, Inc., and authorize the Chairman and Secretary/Treasurer to execute the agreements;
- Approve the third and final extension of Professional Services Agreement with Griffin & Associates, Inc., for Ditch Safety Coordinator;



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- Approve the Selection Advisory Committee Recommendation for Water Quality Services (m/o); and
- Approve the request for Travel Authorization for Mr. Andre Geoffrion and Mr. Mark Ramirez to attend the World of Concrete Convention in Las Vegas, Nevada.

Director Thomson seconded the motion, which passed (3-0).

Regular Agenda:

15. City of Albuquerque

a. Bryn Mawr Project - Update by Mr. Kevin Daggett, City of Albuquerque (m/o)

Mr. Kevin Daggett, P.E., of the City of Albuquerque's Department of Municipal Development, briefed the AMAFCA Board on the City's project. Mr. Daggett introduced Ms. Michelle Madrid, Project Engineer, with Smith Engineering and Mr. Richard Costales, City of Albuquerque's Project Manager.

Mr. Daggett gave a recap on the City of Albuquerque's Bryn Mawr project. It has been on past Project Schedules and is on the AMAFCA 2014 Project Schedule. The Board and AMAFCA had expressed concerns with how businesses along Bryn Mawr would be affected by removing the existing dip section. The issue is the low flow section that is causing a safety issue and localized flooding when the channel is running full. The idea was to fill the low crossing in and put a low flow culvert across the road, replace the existing earthen channel with a culvert, and at the headwater of the upper channel put in a Water Quality Feature. The Board had been concerned about impact to local and adjoining businesses and properties during construction, especially the business on the southwest corner of the crossing. The City had the same concerns and wanted to come back one last time to see if there was another alternative that would not impact those businesses so harshly. Smith Engineering came up with an alternative design. The design, as currently proposed, will not affect the property to the southwest quadrant. It will require an easement on a property on the east side of Bryn Mawr and will alleviate a lot of the construction congestion that would cause those businesses problems.

Mr. Richard Costales, City of Albuquerque, Project Manager, advised that the project had been redesigned to show the alignment of the channel was moved over so that the business will not be impacted. This helps with the City of Albuquerque's budget on this project as well.

Ms. Michelle Madrid, Project Engineer, with Smith Engineering, provided a recap on the design of the Water Quality feature that they did for the City of Albuquerque. The design encompasses a multipurpose water quality structure along Aztec. The flows from the east and west are at 209 cfs peak flow for the 100 year event. The water quality feature will handle more than just a



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surface flow. The plan is to put in a cattle guard inlet to take some of the flow prevented from coming into the system and move it into the debris collection area. The first flush with the floatables and debris will flow through the debris screen and go into the second area, then go from both sides into the CBC. Mr. Daggett advised that the water quality feature works just like the water quality feature at the Hahn Arroyo. The water will go into a closed box underground.

Chairman Eichenberg asked how the properties are going to be closed off so there is not a gathering place in this area. Mr. Daggett advised that the properties back up to the centerline of the box feature.

Chairman Eichenberg asked if the City is going to enforce that the property owners fence off up to the box. What is the City going to do to have them capture that? Mr. Daggett advised he believes the City will be fencing the area so that there will not be an alley there.

Chairman Eichenberg asked where the water is going from the east side. Mr. Costales advised it still goes across to Bryn Mawr, but it will be minimal, about 10 sfc. Mr. Daggett advised it is will be in a low flow swale.

Ms. Madrid advised that the 100 year flow would be set for the vertical elevation to be higher than the 100 year water surface so that the floatables will not overtop the overflow. The downside is it will have pollutants.

Director Hernandez asked how it will be cleaned up. Ms. Madrid advised there are four access grates (type B grate) and the City will utilize a vactor truck. Mr. Lovato explained how a vactor works.

Mr. Daggett emphasized that this is not a final design for the Bryn Mawr project. Maintenance will be an important part of this project. Director Hernandez asked if the City would be doing maintenance. Mr. Daggett confirmed that the City will handle maintenance for this project.

Chairman Eichenberg asked how the mobile home park will be impacted. Mr. Daggett and Ms. Madrid advised they will not be impacted at all.

Chairman Eichenberg asked what is the impact on the neighborhood. Mr. Daggett advised that this as well as the other questions were all very good questions. Chairman Eichenberg asked that the City of Albuquerque come back to the Board. Mr. Daggett advised that the questions will be answered when the City comes back before the Board.



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Chairman Eichenberg requested that the City of Albuquerque meet with area businesses on Bryn Mawr and the residential properties on Lafayette to make sure that the area is fenced in so it is not used as a walkway or a short cut. He advised it might even need to be put in the bid.

Director Thomson and Chairman Eichenberg advised that this project seems very manageable.

16. Valle de Oro Wildlife Refuge Drainage – Award to apparent low bidder

Ms. Lynn Mazur, AMAFCA Development Review Engineer, briefed the Board on the outcome of the competitive bids received for the Valle de Oro Drainage Outfall Project. The project includes two temporary crossing structures on Middle Rio Grande Conservancy District facilities to provide pedestrian access from the Valle de Oro National Wildlife Refuge to the Rio Grande Bosque. The road will also provide access for emergency and maintenance vehicles. The crossings will be replaced with a drainage flume in the future. Another important component of the project is excavation of drainage swales in the Bosque so that stormwater from the Southeast Valley can drain out to the Bosque. An addendum was issued to revise the shape of the main swale to save some large trees. It also included a table with tree diameters. Mr. Robin Cunningham, with Tetra Tech, went out and measured the trees so bidders would know what was expected.

Six contractors submitted bids. AUI, Inc. was the low bidder at \$761,623.00. While the word apparent was inadvertently used in the memo provided to the Board, AUI was the actual low Bidder. The engineer's estimate was \$925,000.

Chairman Eichenberg asked Mr. Crawford with AUI if they were prepared for this project as all eyes will be on them, even at a National Level. Mr. Crawford advised that they do want to do the work and it was a huge help at bid time to know the tree count.

Director Thomson made a motion that the Board approve AUI, Inc. as the lowest responsive bidder and authorize the Chair to execute the contract for construction of the Valle de Oro Drainage Outfall Project in the amount of \$761,623.00, plus New Mexico Gross Receipts Tax. Director Hernandez seconded the motion, which passed (3-0).

19. Field Highlights

a. Construction Report

The memo from Mr. Kurt Wagener, AMFACA Field Engineer, contained a summary of current construction projects.



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Director Thomson advised that during his post audit review with the Auditors one of the questions asked during his interview had to do with the opportunities for fraud and any indiscretions with finances within the Agency. During the discussion the Auditor asked Director Thomson what mechanism was in place to prevent fraud on change orders. Torrance County is in the news for this same type of issue. Director Thomson inquired about the checks on the Change Orders. It is not an issue of suspicion, just education so that the question can be answered, should the question ever arise again. Mr. Wagener advised that a change order would be identified as a change condition within the Contract document from what was put out at bid time. An example is where the City came with additional funding for the Boca Negra Shared Use Path.

Mr. Wagener briefed on the steps for a change order and advised that if the item is not in the original contract documents the contractor asked for pricing for it and submits a written proposal. The Construction Manager (Consultant) reviews the change order and makes a recommendation to the AMAFCA Project Manager. AMAFCA Project Manager looks at it and decides if it is reasonable, and then recommends it then goes to the Executive Engineer for approval. If the request is above the Executive Engineer's authority (i.e. over \$20,000.00, per item) it will be brought before the Board for approval.

The Change order form is an AMAFCA format with contractor, project manager, AMAFCA project manager and AMAFCA Executive Engineer signatures. Wording on the document advises that the info on that particular change order is all that will be on that change order.

Mr. Lovato advised that doing the change order(s), which that is done every month, is another form of transparency. Almost everything for the month should be listed on that month's change order. Mr. Wagener mentioned that this is done monthly so that things are not forgotten and all projects are up-to-date. Whatever is done for that month is put to bed. If there are two weather days and no other change orders a change order will be done so that weather days can be accounted for. This process is easier when doing monthly so you don't have to remember how many weather days were in that month, square yards of materials, etc.

Mr. Wagener stated it takes three of the four to be criminal or inept for fraud to occur.

b. Field Report

Mr. Kurt Wagener, AMAFCA Field Engineer, gave a report of various projects and events over the past month.

In 2011 the Board had approved giving sediment away, with no royalty charge, out of the Westside dams if AMAFCA had excess sediment. Currently the Swinburne Dam has about 3 feet of sediment so an agreement was made with a local contractor to remove 30,000 cubic



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yards. The contractor did request 60,000 yards, however it will be accessed at 30,000 yards to see if an additional 30,000 yards is available. This dirt is going to the SAD. There are about seven trucks working on hauling out the sediment from Swinburne Dam.

The crew is working on the erosions at Caliche Hills in the Calabacillas. Chairman Eichenberg inquired on what AMAFCA is doing to help alleviate the erosion in the future. Mr. Wagener advised that boulders have been purchased and will be placed in the toe of the slope.

20. AMAFCA Real Estate

a. Authorization to extend agricultural lease with Marvin Abeita for the Rutherford Property (m/o)

Director Hernandez made a motion that the Board approve the extension of the agricultural lease to Marvin Abeita. Director Thomson seconded the motion, which passed (3-0).

b. Authorization to extend agricultural lease with Richard Navarrette for the Miranda Property

Chairman Eichenberg made a motion that the Board approve the extension of the agricultural lease to Richard Navarrette. Director Thomson seconded the motion, which passed (3-0).

c. Authorization to extend agricultural lease with Ron and Patsy Maestas

Director Hernandez made a motion that the Board approve the extension of the agricultural lease to Ron and Patsy Maestas. Director Thomson seconded the motion, which passed (3-0).

d. Notice of Issuance of Film License (m/o)

No Board action was required. Director Hernandez asked about the License due to his interest in what was being filmed. Mr. Jeff Willis, AMAFCA Real Estate Manager, stated that the Executive Engineer had issued a Film License for the film Hunter's Game. This was for access to Black's Dam in the Calabacillas Arroyo up to Rio Rancho. The access was near Dodge Street. All filming was done in the Rio Rancho portion of the arroyo. The film is a psychological drama.

21. AMAFCA FY 2014 Project Schedule – Approval of the AMAFCA FY 2014 Project Schedule

Director Thomson made a motion that the Board approve the AMAFCA FY 2014 Project Schedule. Director Hernandez seconded the motion, which passed (3-0).



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22. Unfinished Business

Mr. Roger Paul with Bernalillo County commended AMAFCA staff on the work being done on Valle de Oro. Ms. Jennifer Owen-White, Refuge Manager for the Valle de Oro National Wildlife Refuge and Bernalillo County had a follow-up meeting for the Counties' portion and it was apparent that the work that AMAFCA started has helped to move things forward for the larger project.

Mr. Lovato stated that the National Geographic article on the AMAFCA Tumbleweed Snowman is on the National Geographic website now and the magazine will be on newsstands on Friday, November 22, 2013.

23. New Business

Chairman Eichenberg asked if it would be possible to have Mr. Subhas Shah with MRGCD present at the December Board meeting.

24. Adjourn

There being no further business to come before the Board, Chairman Eichenberg adjourned the meeting at 11:57 a.m.

Bruce M. Thomson, Secretary-Treasurer, 12/19/2013

Recorded by Guylene Harris, Administrative Assistant