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

Chairman Hernandez called the Regular Board Meeting to order at 10:04 a.m. Thursday, May 22, 2014. Roll was noted as follows:

Directors present:	Chairman Danny Hernandez Director Bruce M. Thomson Director Tim Eichenberg Director Ronald D. Brown Director Daniel Lyon
Attorney present:	Attorney Vanessa Chavez, Robles, Rael & Anaya
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 Eichenberg asked that Item 10. Design, Bidability, and Constructability Reviews be removed from the Consent Agenda. He stated that since he was absent for the presentation at the April Board Meeting he wanted to get more information.

Director Lyon made a motion to approve the agenda, as amended. Director Brown seconded the motion, which passed (5-0).

3. Meetings Scheduled

- a. June 26, 2014, 10:00 a.m. – Regular Meeting
- b. July 24, 2014, 10:00 a.m. – Regular Meeting
- c. August 28, 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

Mr. John Barncastle addressed the Board regarding his concerns with the bike trails along arroyos in both the City of Albuquerque and AMAFCA jurisdictions. He stated that he is concerned with the City-maintained Bear Canyon Arroyo, between Moon and Eubank. This area needs some immediate attention due to the front-end loaders destroying the multi-use trail. He mentioned that while working with the City of Albuquerque Parks and Recreation Division for several years he has found out that it will be absorbed by the Department of Municipal Development. He is not sure if this will help or hurt his dealings at the City on his concerns with the bike paths in their jurisdiction. He stated he has had no luck getting the gravel removed from the North Pino Arroyo area, which is a City-maintained facility that he reported to the AMAFCA Board back in December 2013. He advised the Board that while traveling the North Diversion Channel within the last 30 days, as well as traveling to the current Board meeting, he has noticed shopping carts; three of them in the immediate vicinity of the AMAFCA building. He recommended that since it was announced at a Greater Albuquerque Recreational Trails Committee (GARTC) meeting that the City of Albuquerque is funding maintenance crews to make rounds in their area(s) that AMAFCA have their crews make rounds at all of their facilities as well, as opposed to someone calling 311. Chairman Hernandez suggested that Mr. Barncastle call the AMAFCA office and report any issues with shopping carts on AMAFCA facilities so that personnel can take care of them in a timely manner; AMAFCA has a limited number of crew members on its staff.

Director Brown stated that he is aware of the issue with City-maintained Bear Canyon Arroyo, between Moon and Eubank. Director Brown also stated that shopping carts at this time of year in the channel indicate that the homeless are in the area(s) moving their items around.

Director Eichenberg mentioned that during the recent Bike to Work event he acknowledged to members of the community that Mr. Barncastle did attend AMAFCA Board meetings and the biking community is well represented.

There were no other public comments.

5. Approval of Minutes

a. April 24, 2014 Regular Meeting

There were no changes.



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Director Lyon made a motion to approve the minutes of the April 24, 2014 Regular Board Meeting. Director Thomson seconded the motion, which passed (4-0). Director Eichenberg abstained, as he was not present at the meeting.

6. Financial Matters

a. Approval of April 2014 Expenditures

Ms. Jeffries presented the April 2014 Expenditure Report. In response to questions on specific checks from Director Thomson, Ms. Jeffries stated that the check made out to USGS was under the current contract and the check made out to Katrina Sandoval was for an easement, not a land purchase. Director Thomson asked about the income reported from Kiewitt. Ms. Jeffries responded that it was from a sediment sale.

Director Thomson made a motion to approve the April 2014 Expenditure Report. Director Brown seconded the motion, which passed (5-0).

b. Bank Reconciliation Fiscal Agent Funds

Ms. Jeffries presented the Bank Reconciliation Fiscal Agent Funds. There were no questions, and no Board action was required.

c. Investment Report for April 2014

Ms. Jeffries presented the Investment Report for April 2014. Ms. Jeffries noted that following up on the response to a question posed by Director Thomson at the April 2014 Board meeting the Bond sales are included in the report. There were no questions, and no Board action was required.

d. Financial Recap April 16, 2014, through May 15, 2014

Ms. Jeffries presented the Financial Recap report and advised that this was an informational item and no Board action was required.

In response to a question from Director Thomson, Ms. Jeffries stated that Building and Yard Budget Fund does not have its own checking account and that the funds are in the Local Government Investment Pool.



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e. Financial Forecast May 16, 2014, through June 15, 2014

Ms. Jeffries presented the Financial Forecast for the period May 16, 2014, through June 15, 2014. She noted that the recommended actions for the Operating Fund included payments on four pay periods. Recommended actions for the Capital Projects/Construction Fund include payments on several construction projects, and payments on various engineering invoices.

Director Brown made a motion that the Board approve the Financial Forecast. Director Thomson seconded the motion. The motion passed (5-0), on a roll call vote.

7. Legal

a. Status Report

Ms. Vanessa Chavez asked if there were any questions pertaining to the Legal Status Report for February to March 2014. No questions were asked.

b. Closed Session - pending litigation

Chairman Hernandez stated that discussion of pending litigation would be in closed session.

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 "*The Open Meeting Act, A Compliance Guide for New Mexico Public Officials and Citizens*," seventh edition, 2010, to discuss pending litigation. Director Eichenberg seconded the motion, noting that both closed sessions on the agenda would need to be separated due to Items b. and c. being two separate issues. The motion passed (5-0), on a roll call vote.

Chairman Hernandez stated that the closed session for Item 7 b. would be for purposes of discussion only, regarding pending litigation. Chairman Hernandez closed the meeting at 10:18 a.m. Mr. Lovato asked that both Mr. Brad Bingham and Ms. Karen Stearns remain for the closed session.

At 11:19 a.m., Chairman Hernandez stated he would hear a motion to come out of closed session.

Director Brown made a motion that the meeting be re-opened, Director Thomson seconded the motion. Director Brown stated that the Board had taken no action and made no decisions during



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the closed meeting, but had discussed pending litigation. The motion passed (5-0), on a roll call vote.

c. Closed Session - personnel

Chairman Hernandez stated that discussion on personnel would be in closed session.

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 *“The Open Meeting Act, A Compliance Guide for New Mexico Public Officials and Citizens,”* seventh edition, 2010, to discuss a personnel issue. Director Thomson seconded the motion, which passed (5-0), on a roll call vote.

Director Brown stated that the closed session would be for purposes of discussion only. Chairman Hernandez closed the meeting at 11:19 a.m.

At 12:02 p.m., Chairman Hernandez stated he would hear a motion to come out of closed session.

Director Brown made a motion that the meeting be re-opened, Director Thomson seconded the motion. Director Brown stated that the Board had taken no action and made no decisions during the closed meeting, but had discussed personnel issues. The motion passed (5-0), on a roll call vote.

8. 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:

- **Corps of Engineers (COE) – Southwest Valley Flood Reduction Project Phase I:** Work on the Operation, Maintenance, Repair, Replacement, (OMRRR) manual continues. Mr. Roger Paul, Technical Services Director with Bernalillo County, has scheduled a meeting with Mr. Subhas Shaw to discuss the Middle Rio Grande Conservancy District (MRGCD) issues concerning the OMRRR. Bernalillo County and AMAFCA have set a timetable to document when certain facilities will be added to the list maintained by Bernalillo County and AMAFCA to help MRGCD move forward with the approval of the OMRRR. With the start of Phase II



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starting soon, both AMAFCA and Bernalillo County would like to get Phase I covered by the OMRRR.

- **City of Albuquerque** – *Marble Arno Pond*: The City of Albuquerque is continuing with its due diligence concerning the purchase of the property and completing a Phase II investigation.

Ladera Dam 15 - Ladera Golf Course: Director Lyon received some calls concerning the wood mulch that was placed on Ladera Dam 15 back in December 2013 by AMAFCA crews. AMAFCA had placed wood mulch along the earthen embankments of Dams 1 through 14 as a compliance measure to address AMAFCA's Dust Permit. Calls regarding Dam 15 were received by Mr. Jeffrey Willis on three occasions concerning the wood mulch being used for a landscaping project; they want the area to be reworked and/or completed. Mr. Willis has informed all parties that this work was done to address dust control and it is not a landscaping project. The work in this area is not considered mission critical, therefore it is fill in work for the AMAFCA maintenance crew. The wood mulch being used is provided by Bernalillo County free of charge. Mr. Lovato thanked Bernalillo County for the wood mulch. Work at Dam 15 should be completed in the next thirty days. Director Lyon asked if the complainant was contacted. Mr. Lovato responded that, yes, Mr. Jeff Willis had been in contact with the complainant.

US Environmental Protection Agency - *Green Infrastructure Technical Assistance Program*: Additional information concerning the AMAFCA proposal to EPA relating to this program was handed out to the Board. In an effort to keep AMAFCA on the leading edge with respect to developing and implementing structural best management practices (BMPs) to treat storm water runoff, AMAFCA requested and received technical assistance from EPA to help AMAFCA bring green infrastructure practices to the arid Southwest. EPA is funding a project downtown for a grocery store. The building itself will be called the Imperial Building. There will be a rooftop garden that will have water pumped up to the roof. There will be pumps and disinfection systems in place as well. Director Thomson asked for confirmation that AMAFCA would not be funding the project. Mr. Lovato stated that there is no AMAFCA money involved; this is purely technical assistance.

Pueblo of Isleta - *South West Valley and South East Valley Drainage Projects*: Isleta Pueblo Governor Torres's Office contacted AMAFCA requesting a meeting on Monday May 12, 2014. Mr. Jerry Lovato, AMAFCA Executive Engineer, attended the meeting and provided the history and the logic of using MRGCD drains to convey stormwater and how AMAFCA was addressing water quality before flows entered the Rio Grande. The Governor appreciated the fact that AMAFCA was trying to comply with the Resolution passed by the Tribal Council supporting the Southwest Valley Flood Reduction Project in 2003. The Governor was



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interested in working with AMAFCA to establish a seed bank of native salt grass to be used in the Valle de Oro project in the next 5 years.

Public Outreach:

Valle de Oro Bridge and Habitat Restoration Celebration: A ground blessing was held on April 23, 2014 at the project site in the Bosque.

Valle de Oro Site Plan Update: The second and last public meeting to unveil the Valle de Oro site plan will be held at the Mountain View Community Center, June 17, 2014 at 5:30 p.m.

South Valley Pride Day: AMAFCA participated in the parade held May 4, 2014.

Duran Open Space – Soar Event: AMAFCA participated with Bernalillo County to provide parking for the Duran Open Space “Soar” event held on May 10, 2014. AMAFCA also staffed a table distributing water quality and ditch safety information.

South West Valley Flood Reduction Project Phase II Public Meeting: An update was held at Rio Grande High School on April 30, 2014.

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. There were no questions and no Board action was required.

Consent Agenda:

Chairman Hernandez stated that agenda items 9 and 11 were on the consent agenda.

9. North Diversion Channel Outfall “Bathtub” Structure Project – Approval of the contract with Weston

The memo from Mr. Kurt Wagener, AMAFCA Field Engineer, stated that at the April 24, 2014 meeting, the Board approved the selection of Weston Solutions, Inc., to provide engineering services for the NDC Outfall “Bathtub” Structure Project. The project includes the design and construction management engineering services for the Project.

The memo requested that the Board approve the Agreement with Weston Solutions, Inc., to provide Design and Construction Management Engineering Services for the North Diversion



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Channel Outfall Bathtub Structure Project, on a time and materials basis, not to exceed \$98,307.23, not including New Mexico Gross Receipts Tax.

Item 10: Design, Bidability, and Constructability Reviews was moved to the Regular Agenda.

11. UNM Hydraulic Modeling Agreement – Approval of FY 2015 Agreement

The memo from Mr. Bradley Bingham, AMAFCA Drainage Engineer, stated that the UNM Open Channel Modeling - Year 26 proposal had been received. The proposal includes continued funding for a graduate assistant intern utilized by AMAFCA to support engineering staff, the stormwater quality program, and perform field inspections.

Projects for future consideration included hydraulic effects of various bridge pier designs in open channels, North Camino Arroyo Inlet at the North Diversion Channel, existing conditions to the flow model of Pino Channel at I-25, and North Diversion Channel Bike Notch at Indian School.

The FY-15 Budget has \$50,000.00 in the Operating fund for support of the Hydraulic Lab, which includes \$50,000 for Hydraulic Technical Assistance. AMAFCA's total support of the UNM Hydraulic Lab is \$47,489. The cost for the Graduate Student Intern is \$32,652. The total cost of the Year 26 agreement is \$80,141.

Staff recommends the Board Authorize the Executive Engineer to execute the necessary proposal acceptance forms for the UNM Hydraulic Modeling Agreement for Year 26, FY-2015.

There being no further items on the consent agenda, and there being no questions, Director Lyon made a motion that the Board:

- The Board approve the Agreement with Weston Solutions, Inc., to provide Design and Construction Management Engineering Services for the North Diversion Channel Outfall Bathtub Structure Project, on a time and materials basis, not to exceed \$98,307.23, not including New Mexico Gross Receipts Tax; and
- Authorize the Executive Engineer to execute the necessary proposal acceptance forms for the UNM Hydraulic Modeling Agreement for FY 2015

Director Brown seconded the motion, which passed (5-0).



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Regular Agenda:

10. Design, Bidability, and Constructability Reviews – Consideration of agreements with selected contractors

This item was moved to the regular agenda, per the amended agenda.

Mr. Kurt Wagener, AMAFCA Field Engineer, advised that staff recommended that the Board accept the Statements of Interest from all eight contractors and authorize the Executive Engineer to negotiate contracts for the Design, Bidability, and Constructability Reviews. He stated that all eight contractors have contractor's licenses. The contractors are as follows:

- Salls Brothers Construction, Inc.
- New Mexico Underground Contractors, Inc.
- TLC Plumbing and Utility
- Albuquerque Sand and Gravel
- AUI, Inc.
- H.O. Construction, Inc.
- Vital Consulting Group, LLC
- Kimo Constructors, Inc.

Director Eichenberg asked that Mr. Wagener update the Board on the use of the contracts since he was not at the previous Board meeting. Mr. Wagener stated that contractors are used for review of plans and specifications, look at cost estimates, and other items for projects on an on-call basis. He reiterated that the companies that submit are local contractors who are experts in their particular field(s). They help to provide more ideas on various projects. AMAFCA has been doing this form of on-call agreement for 12 to 16 years when you take into account the original contract period with the possibility of three additional year-long extensions. AMAFCA generally tries to have three on-call contacts for each type of assignment. There is also provisions to have the contractors do emergency work. Mr. Wagener gave an example of the emergency service at Black Mesa pertaining to the manhole work that was done. AMAFCA did not own a big enough pump and one was not available to rent for pumping out the area. Mr. Lovato obtained three bids under the Bidability and Constructability contracts and the area was pumped out. Mr. Wagener provided the examples from last month's Board meeting as well.

Director Brown opined that he believes that this form of contacting is one of the strongest things that AMAFCA does from the standpoint of getting tight bids and more contractors willing to bid. The contractors are paid a modest amount of money to review the plans. They are still allowed to bid the job, and everyone has the right to the comments that are made. A contractor reviewing the



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engineers' plans can suggest a design change that works better for the project. AMAFCA gets some of the best prices in the market place, problems can be taken care of quickly, and AMAFCA pays on time.

Director Brown made a motion that the Board authorize the Executive Engineer to negotiate contracts with all eight of the contractors as recommended. Director Eichenberg seconded the motion, which passed (5-0).

12. White Paper on the Comparison of HEC-HMS and AHYMO – briefing by Chuck Easterling

Along with the information provided in the Board mailout, Mr. Chuck Easterling, with Easterling Associates, provided the Board with information on the Comparison of HEC-HMS and AHYMO.

A brief recap is as follows: The AHYMO program was written in a DOS-based operating platform. The operating platform does not work on Windows 7 operating systems; therefore, AHYMO is now obsolete. In addition, the Office of the State Engineer, FEMA and other federal and state agencies, does not accept the AHYMO program.

The white paper was developed comparing the US Army Corps of Engineers' Hydrologic Engineering Center Modeling System (HEC-HMS) with AHYMO. The AHYMO program was developed for use in the arid Southwest by modifying the USDA HYMO program for local rainfall, soil, and runoff data available at the time.

Within HEC-HMS, there are multiple tools to do hydrology, as well as a GIS feature. Mr. Easterling stated that a set of tools needs to be picked and agreed upon. The next step of this task is to develop input parameters for HMS that will yield reasonable and reliable results. The City Technical Standards Committee is currently in the process of amending the DPM to address the recently amended drainage ordinance and would be the forum to develop these parameters.

After a brief discussion, Director Thomson opined that he agrees it is time to switch. He advised that he would like to see the Scope of Work once complete.

13. Monitoring Program Assessment and Recommendations

Ms. Karen Stearns, AMAFCA Storm Water Quality Engineer, introduced Mr. Craig Hoover and Ms. Sarah Ganley with Bohannon Huston, Inc., and Mr. John Kay, with Daniel B. Stephens and Associates.



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Mr. Hoover provided a recap on the Scope of Work, which included Literature Review and Interview Documentation, Existing Monitoring Program Review, Monitoring Program Recommendations, Cost Estimate, Quality Assurance Project Plan (QAPP), and a Field Sampling Plan (FSP).

Ms. Ganley presented a recap on the Existing Monitoring Program Review that included:

- MS4 Co-Permittees were interviewed on the existing program shortcomings and suggested improvement
- USGS was interviewed via phone & E-mail exchange and existing monitoring program documents were reviewed
- Existing MS4 Permit NMS000101 used for Assessment with a focus on Permit monitoring and reporting requirements
- Literature from NMED, EPA and USDA/NRCS references reviewed for design strategies, for effective monitoring programs and QA/QC program guidance

Ms. Ganley stated there are 18 possible MS4 permittees within the local collaboration area.

Mr. Kay presented information on Communication, timeliness, documentation, data analysis, and verification, as well as their monitoring program recommendations:

- Monitoring Program Recommendations included wet weather sampling, dissolved oxygen, and temperature monitoring only. Sediment sampling for PCBs, Dry Weather Screening, IDDE Program, or Industrial/High Risk sampling were not included. The watershed-based Permit requires monitoring water coming into the jurisdictional boundary/watershed (upstream) and leaving the jurisdictional boundary/watershed (downstream). The recommendations focus on meeting the minimum requirements of the Watershed Based MS4 Permit will be met.
- Monitoring all inflows and outflows from assumed cooperative group (AMAFCA, City of Albuquerque, New Mexico Department of Transportation, and Bernalillo County). AMAFCA may want to include non-required monitoring locations in the event there is an exceedance.
- Recommended Sampling Locations: Three sondes (NDC Embayment, Rio Grande below NDC embayment and Isleta Drain). Six sampling stations (two upstream and four downstream), WQ sampling would be seven times over a five year permit, minimum three during wet season (June and September), two during dry season (October to May). The Board reviewed maps on the proposed sampling locations.

Chairman Hernandez asked how the dry season is sampled. Mr. Kay advised samples are taken after there has been a .25" of rainfall after a period of 72 hours of no produced rainfall.



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Mr. Kay advised that if SSCAFCA joins the collaboration then the Calabacillas monitoring location would not be necessary.

Director Thomson asked why there is no Sonde or sample point on Tijeras Arroyo. Ms. Stearns advised that it originates in Bernalillo County. Director Thomson stated that there is an impairment that shows up in the Tijeras Arroyo. Director Brown asked about the sampling areas and if a sampling location will be above the Embayment area. Karen Stearns advised, yes, and if SSCAFCA joins the collaboration group, the location would be moved up the river to US 550.

- **Field Sampling Plan:** Describes field work protocol, conforms to Watershed Based MS4 Permit requirements, conforms to NMED Surface Water Quality Bureau methods as appropriate, provides project description and objectives, location, frequency & timing of sampling, and methods of sampling.
- **Quality Assurance Project Plan:** Describes measures taken to assure data is usable for intended purpose, key personnel and responsibilities, analytical methods and detection limits, QC sample collection and data validation.

Mr. Hoover presented the following Water Quality Cost Estimate:

- Describes measures taken to assure data is usable for intended purpose, key personnel and responsibilities, analytical methods and detection limits, QC sample collection, and data verification and validation

The Annual cost a year \$124,000.00.

Following a discussion regarding the possibility of more sampling locations, licensing issues, and where monitoring sites will be located, Chairman Hernandez advised he would like to hear more options of additional sampling locations. Ms. Stearns advised that has been the intention.

Director Thomson asked Mr. Lovato if the report will be used to develop a monitoring program that will be finalized after the MS4 permit has been issued and if a contract for monitoring will be put out for bid. Mr. Lovato responded that the program has to be in place within six months after the watershed based permit is issued. AMAFCA will have a contract in place with the different MS4s and it will be a simple contract. Mr. Lovato stated that it might take up to a year to get all MS4s in place. Chairman Hernandez asked if AMAFCA would be the fiscal agent. Ms. Stearns advised that the TAG (Technical Assistance Group) would identify what entities will be participating and what entity would be the fiscal agent. Upon the final recommendation of the TAG, AMAFCA might be the fiscal agent.



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14. Climatology Update – 2013-2014 Winter Summary and 2014 Monsoon Probabilities

Mr. Kevin Troutman, AMAFCA GIS Manager, gave a presentation on the 2013-2014 Winter Summary. He stated that December – February was the driest in precipitation; number three on the charts. The local area went 43 days without wintertime precipitation. The winter vortex on the east coast brought spring instead of winter weather to New Mexico. Due to the persistent drought, there is less vegetation growth that could hold sediment during a rain event. Similar to last year, rainfall during the summer may cause increased erosion and sediment transport. The drought and dry weather led to excessive dust storms in Clovis, Portales, and Las Vegas, New Mexico, as well as in Amarillo, TX. Good news was seen in surveying of the reservoirs in the eastern portion of the state. They are registering above normal from the year before. 2014 Monsoon Probabilities show that El Nino is expected to happen this year.

The presentation was well received.

15. Field Highlights

a. Construction Report

Mr. Kurt Wagener's construction report was provided to the Board. There were no questions.

b. Field Report

Mr. Kurt Wagener, AMAFCA Field Engineer, mentioned that a very well respected individual, Mr. Milla Blair passed away on May 12, 2014. He was 99 years old. He was the Project Superintendent for Universal Constructors. During his career with Universal Constructors, he worked on the South Diversion Channel, Phase I and II of the North Diversion Channel and other important projects for AMAFCA as well as projects in the State. He also worked on the original Big I project.

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

Some of the highlighted facilities were the Agency and Area-Wide at the San Antonio for the gabion work, rock placement and backfilling, a dry North Diversion Channel, Calabacillas Grade Control Structures 7a rebar installation, importing rock, place footing of the cut off walls and placing the walls. Calabacillas Grade Control Structures 1a doing grading. The AMAFCA maintenance Crew grading various maintenance roads, dirt haul, wood mulch placement for dust control at Ladera Dam 15, concrete repair, the owl cam, Albuquerque Fire Department Rescue Training, watering at the Los Padillas Spillway/Miranda Property, using MRGCD water, and Mutt



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Mitt stations that were being maintained by the applicable Neighborhood Association. There was a discussion pertaining to sediment removed from various locations, water quality structures, and dams within dams and crews repairs versus big repairs that need to go out for contract

c. Boca Negra Dam – Consideration of Amendment 13 with Wilson & Company

Mr. Kurt Wagener, AMAFCA Field Engineer, presented information on the Amendment 13 with Wilson & Company. The agreement calls for the submittal and approval of a Letter of Map Revision (LOMR) to FEMA. He stated that the preliminary mapping and modeling, completed in 2006, for the 100-year storm event was done using AHYMO. As noted earlier in the Board meeting, FEMA has not been accepting AHYMO for hydrologic modeling and flood plain delineation for LOMR submittals. Upon receiving as-built drawings, it was determined that the contractor did not construct portions of the dam embankment and the emergency (auxiliary) spillway to the elevations on the construction drawings. Some of the flows allowed into the dam may have changed in the eight years since the original design was completed.

Submittal of the LOMR will require that the dam be modeled using Hydrologic Engineering Center Hydrologic Modeling System (HEC-HMS) for the interim and fully developed conditions. In addition, the Boca Negra Canyon will need to be modeled in Hydrologic Engineering Center Riverine Analysis System (HEC-RAS). This modeling will also tell us if the dam, as constructed, will be acceptable for the 100-year event or if modifications will need to be made. The dam has already been modeled for the Probable Maximum Precipitation (PMP) event for submittal to the NM Office of the State Engineer – Dam Safety Bureau and the dam is sufficient, as constructed, for that event.

Staff recommended that the Board approve Amendment No. 13 to the Agreement for Design Review and Construction Engineering Services for Boca Negra Detention Dam. The work will be performed under the terms and conditions of the original contract dated March 27, 2012.

Director Brown made a motion to approve the amendment.

Director Lyon asked why AMAFCA is requesting to pay \$40,952 when AMAFCA should only be paying half of that cost. Mr. Wagner advised that the entire amount needs to be paid up front, however after the project is complete. AMAFCA will bill the City of Albuquerque for their 50 percent, as specified in the signed agreement and amendments.

Director Thomson seconded the motion. The motion passed (4-1). Director Lyon voted no.



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16. Southwest Valley

a. Black Mesa Phase 1a Pipe Extension Update

Mr. Jerry Lovato, AMAFCA Executive Engineer, advised the Board that in order to complete the design, the contract with Wilson & Company would need to be amended to address lost effort and new work to integrate the various alignments, as well as the linear detention ponds and swales that will capture offsite flow. Staff would like to present the final design to Subhas Shah and Ray Gomez of MRGCD along with a formal proposal that AMAFCA maintain the Gun Club Lateral before awarding Black Mesa Phase 1a Project. Staff intends to submit for the Board's consideration Amendment 15 to the Wilson & Company contract next month.

AMAFCA and Wilson & Company have been working with MRGCD Staff to finalize the project. Because of the lack of progress, AMAFCA made the decision to break out a portion of the project that could be built on AMAFCA easements and public rights of way. The AMAFCA Board authorized Amendments 12, 13 and 14, which were for survey work and legal descriptions related to the Gun Club Lateral, the Sanchez property and the Baca property to move the project forward.

With public rights of way and AMAFCA easements defined, the AMAFCA Board authorized the advertisement for construction bids for the Black Mesa Phase 1a Project (Raymac to Raymac Dam) at the December 2013 meeting. The bid had to be postponed due to a high water table that was not addressed in the design. Phase 1a (Raymac to Raymac Dam), will connect to the existing pipe in Raymac Road, cross Coors Boulevard, and install a 60-inch pipe west to the MRGCD right of way. This work is scheduled to bid in July 2014. The pipe design in the MRGCD easement and Bureau of Reclamation (BOR) right of way for Gun Club Lateral is not complete and represents over 80% of the project.

The scope of the final design task that was approved in June 2012 had the new dam outfall pipe placed on the east side of the Gun Club Lateral, removed and replaced all roadway crossings, provided drainage along the MRGCD lateral, installed new MRGCD irrigation works, constructed two maintenance roads and installed new retaining walls. Over the last year, the MRGCD has requested numerous design changes, modifications to alignments, the design of approximately three miles of concrete lining for the irrigation ditch and requirements for no storm flows entering the Gun Club Lateral.

Director Brown asked about the cost to maintain the Gun Club Lateral. Mr. Lovato advised that cost would be approximately \$20,000, per year using the AMAFCA maintenance crew. He stated that the new operator position that the Board had approved in the Operating Budget will help in this area as well.



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Director Eichenberg asked why there are over a dozen change orders on this contract. Mr. Lovato stated that the design itself is still below the total cost of the project. The modifications that have been done are due a number of issues, for example, a Request from the Bureau of Reclamation to identify all of the properties along the Gun Club Lateral, a survey modification, a Geotechnical Analysis for the MRGCD, as well as other issues. The Executive Engineer's report provided to the Board on a monthly basis has updated the Board every time a modification has been made. He stated that even though the lateral is a big ditch, it only carries a flow rate of approximately 30 cfs.

In 2013 when Mr. Lovato made a presentation to the MRGCD Board, the option of a five-year warranty was provided. This was beyond the usual one-year warranty. At that time, the MRGCD Board made it very clear that the decision on the Gun Club Lateral would be left up to MRGCD staff; staff said no. The MRGCD Board did not say no.

It was the consensus of the AMAFCA Board that AMAFCA always steps up and takes on projects that are in other areas. It was noted by the Board that we (AMAFCA and MRGCD) serve the same constituents. The question was raised regarding what would happen if AMAFCA did not do anything in this area. Mr. Lovato responded that water flows east across Coors; fills the Isleta Drain and from there causes flooding problems.

The general consensus of the AMAFCA Board was to draft a letter that each member of the Board signs to be sent to each member of the MRGCD Board. It will state that AMAFCA will be putting a pipe under the lateral. The letter will note that AMAFCA recognizes there are concerns to stabilize the lateral, and AMAFCA will issue a five-year warranty. The lateral may be inspected to acknowledge that it is satisfactory. It is the Board's hope the MRGCD Board will consider accepting the proposal. It was suggested that the letter stipulate that it be not in AMAFCA's best interest to have any faults in the pipe or structure. AMAFCA has a requirement to get the water out of the system before it enters the Isleta Drain. This also improves the water quality in the Gun Club Lateral and saves MRGCD money since the water is being captured. Once the letter has been sent, each AMAFCA Board member will then contact those MRGCD Board members that they know. Mr. Lovato can then make the presentation, in good faith, to the Pueblo of Isleta that the AMAFCA Board understands the Pueblo's concerns, and that the Board is working on getting closure on this issue.

b. SWVFRP Phase II Update

Mr. Bradley Bingham, AMAFCA Drainage Engineer, advised there was a public meeting held April 30, 2014 in order to update the neighbors on the change to the project schedule. Bids on this project to the Corps of Engineers (COE) are to be opened (on May 22, 2014). The COE should be starting the excavation in June. Mr. Roger Paul, Technical Services Director with Bernalillo



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County, advised that bids for Bernalillo County SWV Phase IIb will be opened on the following Monday. That portion of the project includes the reconstruction of eight roadway crossings of the Isleta Drain and Los Padillas Drain. All work done associated with the road crossings will be performed under a Bernalillo County contract. They are scheduled to start mid-summer and the duration of that work is expected to last 6-8 months.

AMAFCA plans to initiate the design of the Pond 187 outfall pipe in La Fonda Road to the Isleta Drain and other ancillary structures once the Corps project is well under way, which is anticipated for late summer. The schedule for construction must be coordinated with the APS and Bernalillo County projects in the area in order to lessen impacts to the local residents.

17. The ATV Impact on Recreational Trails and Facilities – Briefing by GARTC

Mr. Jeffrey Willis, AMAFCA Real Estate Manager, in his mailout to the Board, had provided information that was sent to him. He introduced Mr. John Thomas, Greater Albuquerque Recreational Trails Committee (GARTC) East at Large Representative.

Mr. Thomas advised he had met with Mr. Lovato in the past regarding a number of issues. He advised some cities are moving toward the ASHHTO policy of 5-6 foot spacing between bollards, some cities are doing away with bollards completely, and some are going with a single bollard on the centerline. He opined that Bernalillo County is one of the worst in the world for excessive and indiscriminate use of bollards. He has spoken with the City of Albuquerque Department of Municipal Development and they are heading toward the ASHHTO 2012 recommendations. He would like to see some surveillance on trails, as discussed with Mr. Lovato previously. Mr. Thomas stated that he has tried to speak with the police on this issue, but they would not talk to him.

Mr. Gary W. Kelly, GARTC Vice Chair, provided a handout on the (GARTC) Bollard Recommendation to the AMAFCA Board. He is suggesting that all agencies within Bernalillo County consider alternative engineering solutions to limit ATV access to pedestrian trails. He went over demographics over who may be utilizing an ATV, as well as signage, and policing the areas. His study found; of the ATV 79 models studied, 18 would fit through the current 3-foot bollard spacing AMAFCA uses and 61 (77.22%) would not fit through.

Director Brown opined that the most damaging to the Dams are motorcycles. Mr. Kelly stated that even the largest motorcycle can get through a 32-inch area. Chairman Hernandez advised that alternate bikes could not fit through.

Mr. Lovato advised that there is a huge problem at Las Ventanas Dam with motorcycles. This has to do with the Neighborhood Association property associated with the AMAFCA facility.



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AMAFCA cannot fence off the Neighborhood Association property, but may need to fence off the AMAFCA area. Mr. Jeffrey Willis, AMAFCA Real Estate Manager, has been receiving complaints in this area. AMAFCA tries to put out many obstacles; however, AMAFCA cannot keep everything out. Mr. Lovato referred to the slide showing one of the areas that bollards have been used. He noted the blue striping on the bollard had been added due to the suggestion by GARTC, so that the bollard is more visible. Director Lyon asked why there are two different sized spaces on the picture being shown. Mr. Wagener pointed out that area has two different trails, as well as a stop bar.

There were no questions for Mr. Kelly.

Chairman Hernandez thanked Mr. Kelly for coming and presenting the information to the Board. He advised that he, and the other Board members who ride bikes regularly, are sympathetic to the issue, but there are other needs and requirements that the Board needs to take on.

Mr. Kelly stated that he has concerns as a person with a disability and noting ADA requirements; 25% of ATVs can get in, however, he cannot. This is a problem and the Board should be aware of it. Mr. Lovato suggested giving him a key to the lock. Mr. Kelly advised that the lock at Piedras Marcadas is a combination lock and he cannot work a combination lock. Mr. Jeffrey Willis advised the Board that this might be a lock that was left over from Balloon Fiesta season and Mr. Willis will follow up on it.

Director Brown advised he is working with Commissioner Talbert regarding the North Domingo Dam. They are working to restrict hours in the parking lot(s) to one hour after dark until one hour before morning which could help keep the evening partying down and ease the breaking of glass bottles and vandalism. He stated that this might be another option at AMAFCA facilities.

Mr. Kelly asked if the Board would be willing to explore the use of surveillance cameras. Chairman Hernandez advised someone would have to monitor them. Mr. Kelly stated it would be the police department as they have personnel for that function. Mr. Lovato advised that Mr. Kevin Troutman had looked at the feasibility of monitoring stations for flood monitoring and early warning systems. These units range between \$18,000 to \$55,000, per unit. AMAFCA has talked with the Albuquerque Fire Department and Albuquerque Emergency Managers and while no commitment has been made a system is being looked into.



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18. City of Albuquerque Projects Update

a. Avenida Cesar Chavez Grate Replacement – Consideration of a draft funding agreement

Mr. Kevin Daggett, Storm Drainage Manager for the City of Albuquerque, stated that the draft funding agreement addresses items identified during the April 24, 2014 Board Meeting. The new design is a grateless inlet system. There is an inlet on the north and south side. The agreement identifies a lump sum payment to the City of Albuquerque from AMAFCA. The City of Albuquerque will maintain the project after construction. Mr. Lovato stated that the City will also be responsible for any change orders on the project. He requested the Board comment on the draft Agreement for Funding and Construction of the Avenida Cesar Chavez Grate Replacement with the City of Albuquerque.

Director Thomson asked if there is still a water quality feature. Mr. Daggett advised that there is one there and it was modified to be a water quality manhole with a screen.

The new design was well received.

b. Tower Road – Project Briefing

Mr. Bradley Bingham, AMAFCA Drainage Engineer, advised that Tower Road is located in the southwest part of Albuquerque. It is a major east-west transportation link from the Southwest mesa area to Coors Blvd. It is a four-lane roadway. Most of the road is complete except the portion between Stinson and Autumn View, which needs medians, curb, and gutter. Tower Road also contains a major trunk (66-inch diameter) storm drain that is not complete. Temporary retention ponds have been constructed within the various developments upstream to address the lack of permanent infrastructure.

The City of Albuquerque currently has \$800,000 budgeted for the project from GO13 funds. The funds are currently available to complete the storm drain. The cost to install the storm drain was estimated to be approximately \$1.5 million. This cost does not include the replacement of the sanitary sewer or waterlines that will be affected by the installation of the storm drain that is approximately 15-18 feet deep. The cost to complete the regional storm drain, address existing utilities, and construct the ultimate roadway is approximately \$3 million. AMAFCA has identified this cost-share project in the FY-2014 Project Schedule with the City of Albuquerque and Bernalillo County. Completing the regional facility will allow for the removal of floodplain from approximately 30-40 residential lots between Coors Blvd and 98th Street.



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Chairman Hernandez questioned which road was City versus County. The county road is in part of the unincorporated area. Mr. Roger Paul, Bernalillo County, advised that there was a subdivision in the early 2000s that is no longer in existence; that was planning to take care of the road. Four years ago, Bernalillo County tried to take care of the project, but could only widen the road.

At this time, the commitment from Bernalillo County will be in the form of in-kind services on this project. AMAFCA and the City of Albuquerque will be doing a 50/50 agreement for the storm sewer.

Director Brown advised that he would be in favor of this agreement. He was aware of the transportation issue, but not the drainage issue.

Director Thomson asked how the budget would be impacted with both this project and the Avenida Cesar Chavez Grate Replacement. Mr. Lovato advised that both projects were already planned are on the FY-2014 Project Schedule.

Chairman Hernandez asked about the timeline. Mr. Daggett stated that the City has the money and the project has already been designed. Construction could take place at the beginning of the year.

c. Marble Arno Pond – Project Update

Mr. Kevin Daggett, Storm Drainage Manager for the City of Albuquerque, updated the Board on the City's progress on the Marble/Arno Pond project.

He stated that Phase II sampling showed that there is an issue with magnise. The New Mexico Environment Department had told the City to move forward, do a mediation plan, and monitor out two to four years. The current monitor wells on-site will need to be replaced with new ones. Within two to three years there should be non-detects. The City is moving forward with an appraisal. Once that has been received the City will update the Board.

19. Real Estate

a. Las Ventanas Dam – Consideration of license to COA for Phase II Ventana Ranch Park

Mr. Bradley Bingham, AMAFCA Drainage Engineer, advised that three years ago the City of Albuquerque presented the Ventana Ranch Community Park Master Plan Concept to the Board and discussed the second phase of the project, which expands the regional park into the Las



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Ventanas Dam property owned by AMAFCA. At that time, the City requested AMAFCA's concurrence to re-zone AMAFCA property to allow for recreational uses. Consensus of the Board was in support of the site Plan and re-zoning.

The second phase of park development is within the existing dam pool; therefore, Office of the State Engineer Dam Safety Bureau (OSE-DSB) approval is necessary. AMAFCA submitted the Phase 2 design to the OSE-DSB and modification to the dam is approved, pending certain conditions as provided in the Board mailout.

AMAFCA shall submit a Hydrologic and Hydraulic Analysis of the dam under the Spillway Design Flood event and provide the associated inundation and evacuation mapping to be included in the Emergency Action Plan.

The draft license agreement allows for the expansion of the park facilities with the afore-mentioned conditions placed by the OSE-DSB. It also provides for the maintenance of the facilities on AMAFCA property.

Staff recommended the Board review and comment on the draft license agreement with the City of Albuquerque for the Ventana Ranch Community Park.

There were no questions.

b. Consideration of Quitclaim/Release of Easement for Lot 2, Block 12, Tract 3, Unit 3 of North Albuquerque Acres

Ms. Lynn Mazur, Development Review Engineer, provided information on the Quitclaim/Release of Easement on a lot located on Eagle Rock Avenue east of Ventura Street in North Albuquerque Acres. A Grading & Drainage Plan (G&D) was submitted for Lot 2 and approved in 2004 by AMAFCA and Bernalillo County Public Works Division. A Drainage Easement was granted to AMAFCA for an arroyo across the rear of the lot that conveys a 100-year flow rate of 84 cfs. The lot is not in a FEMA floodplain.

The current owners submitted a G&D for a detached structure on a slab foundation that will encroach into the existing Drainage Easement. The arroyo will be routed through a graded arroyo and two culverts. Since the building is a permanent structure, Ms. Mazur requested that the existing easement be quitclaimed/released and a new easement granted to the limits of the improved arroyo. The revised plan will not affect adjacent properties.



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Staff recommended the Board authorize the Board Chairman to execute the Quitclaim Deed / Release of Easement for Lot 2, Block 12, Tract 3, Unit 3, North Albuquerque Acres.

There were no questions.

Director Brown made a motion that the Board authorize the Board Chairman to execute the Quitclaim Deed / Release of Easement for Lot 2, Block 12, Tract 3, Unit 3, North Albuquerque Acres. Director Thomson seconded the motion, which passed (5-0).

20. Fiscal Year 2014 Budget Adjustment

a. Consideration of Resolution 2014-10, Operating Budget Fund Modification

Mr. Jerry Lovato, AMAFCA Executive Engineer, presented Resolution 2014-10, Fiscal Year 2014 Operating Fund Budget Modification. This resolution modified the Fiscal Year 2014 Operating Budget as follows:

Other Revenue

- Changes the transfer from the Building and Yard Improvement Fund from \$108,000 to zero

Expenditures

- Changes the transfer to Building & Yard Improvement Fund from zero to \$254,000
- Changes the amount for Building and Yard Improvement Expense to zero from \$362,000

AMAFCA's legal counsel had reviewed the resolution.

The resolution along with the modified budget will be submitted to the New Mexico Department of Finance and Administration.

Staff recommended that the Board pass and adopt Resolution 2014-10 Fiscal Year 2014 Budget Modification, and authorize the Chair and Secretary to sign.

Director Lyon made a motion to approve the adoption of Resolution 2014-10 Fiscal Year 2014 Budget Modification. Director Brown seconded the motion. The motion passed (5-0), on a roll call vote.

b. Consideration of Resolution 2014-11, Building and Yard Fund Modification

Mr. Jerry Lovato, AMAFCA Executive Engineer, presented Resolution 2014-11, Fiscal Year 2014 Building and Yard Fund Budget Modification.



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This resolution modified the Fiscal Year 2014 Building and Yard Fund Budget as follows:

Expenditures

- Transfer to the Operating Fund from \$108,000 to zero

AMAFCA's legal counsel has reviewed the resolution.

The resolution, along with the modified budget, will be submitted to the New Mexico Department of Finance and Administration.

Staff recommended that the Board pass and adopt Resolution 2014-11, Fiscal Year 2014 Building and Yard Budget Modification, and authorize the Chair and Secretary to sign.

Director Lyon made a motion that the Board approve the adoption of Resolution 2014-11 Fiscal Year 2014 Building and Yard Budget Modification. Director Thomson seconded the motion. The motion passed (5-0), on a roll call vote.

21. Approval of AMAFCA FY-2015 Budget

a. FY-2015 Operating Fund Budget

Mr. Jerry Lovato, AMAFCA Executive Engineer, presented the Preliminary FY-2015 General Operating Fund Budget. The year-to-date amounts were updated to reflect expenditures through May 5, 2014. No other changes were made budget since it was presented to the Board at the April meeting.

Staff recommended that the Board approve the Preliminary FY-2015 Operating Fund Budget for submittal to DFA by the June 2, 2013 deadline.

Director Brown made a motion to approve the April 2014 Operating Fund Budget. Director Lyon seconded the motion. The motion passed (5-0), on a roll call vote.

b. FY-2015 Debt Service Fund Budget

Mr. Jerry Lovato, AMAFCA Executive Engineer, presented the FY-2015 Debt Service Fund Budget.

Tax revenues were computed by adding the total unprotested taxable value and half the total protested value for both residential and non-residential. The property values were taken from the



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amended Certification Report from the Bernalillo County Assessor's office. The mill levy used is \$0.675. The collection rate is 95%.

For informational purposes, the budget includes the projected July 2015 tax collection and the August 2015 Principal and Interest payments.

Staff recommended that the Board approve the Preliminary FY-2015 Debt Service Fund Budget for submittal to DFA by the June 2, 2014 deadline.

Director Brown made a motion to approve the FY-2015 Debt Service Fund Budget. Director Lyon seconded the motion. The motion passed (5-0), on a roll call vote.

c. FY-2015 Building and Yard Improvement Fund Budget

Mr. Jerry Lovato, AMAFCA Executive Engineer, presented the Preliminary FY-2015 Building and Yard Improvement Fund Budget. The budget shows a beginning balance of \$362,447.

Revenues consist of \$100,000 transferred from the General Operating Fund and a transfer of \$45,000 from the Unassigned Fund.

Expenditures consist of \$362,000 transferred to the Operating Fund for the proposed purchase of two lots adjacent to AMAFCA for a yard expansion, and the installation of security lighting, fencing, and paving.

The projected balance at June 30, 2015 is \$145,447.

Staff recommended that the Board approve the Preliminary FY-2015 Building and Yard Improvement Budget for submittal to DFA by the June 2, 2014 deadline.

Director Brown made a motion to approve the FY-2015 Building and Yard Improvement Budget. Director Thomson seconded the motion. The motion passed (5-0), on a roll call vote.

d. FY-2015 Contingency Fund Budget

Mr. Jerry Lovato, AMAFCA Executive Engineer, presented the Preliminary FY-2015 Contingency Fund Budget. The budget shows a beginning balance of \$4,852,847, which includes the balance of \$2,281 in the Reserve Contingency Fund.



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Revenues consist of \$100,000 transferred in from the General Operating Fund and \$30,000 being transferred in from Unassigned Funds.

Expenditures include an estimate of \$400,000 reserved for emergencies.

Staff recommended that the Board approve the Preliminary FY-2015 Contingency Fund Budget for submission to DFA by the June 2, 2014 deadline.

Director Brown made a motion to approve the FY-2015 Contingency Fund Budget. Director Thomson seconded the motion. The motion passed (5-0), on a roll call vote.

e. FY-2015 Unassigned Fund Budget

Mr. Jerry Lovato, AMAFCA Executive Engineer, presented the Preliminary FY-2015 Unassigned Fund Budget. The budget shows a beginning balance of \$75,000, based on a large sediment sale that should be finalized prior to June 30, 2014.

Revenues consist of:

- Sediment sales: \$10,000
- Lease Revenue: \$ 6,800
- Film Production: \$ 2,000
- Misc. Revenue: \$ 2,000

Expenditures consist of:

- Misc. Expenses: \$ 7,000
- Transfer to Bldg Fund: \$45,000
- Transfer to Contingency Fund: \$30,000

The projected balance at June 30, 2015 is \$14,800.00.

Staff recommended that the Board approve the Preliminary FY-2015 Unassigned Funds Budget for submittal to DFA by the June 2, 2014 deadline.

Director Brown made a motion to approve the FY-2015 Unassigned Fund Budget. Director Lyon seconded the motion. The motion passed (5-0), on a roll call vote.



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f. FY-2015 Construction Fund Budget

Mr. Jerry Lovato, AMAFCA Executive Engineer, presented the Preliminary FY-2015 Construction Fund Budget. The budget included the Bond sale of \$12,500,000 and the receipt of the funds. The FY-2015 construction fund budget had been modified to include the additional funding. A summary of projects and FY-2015 funding totals have been added for clarity to the construction budget, which is in a declining balance form for the Board's input and comments.

The FY-2015 Construction Budget is aggressive. The schedule constructs AMAFCA projects and possible joint projects over the next 15 months. The budget is "AMAFCA centric" and includes more AMAFCA only projects; however, cost share projects with the City of Albuquerque and Bernalillo County are still possible.

The FY-2015 Budget continues to fund the Area Wide Maintenance Contract, which has proven to be very cost effective in maintaining AMAFCA infrastructure.

Staff recommended that the Board approve the Preliminary FY-2015 Construction Fund Budget for submittal to DFA by the June 2, 2014 deadline.

Director Lyon made a motion that the Board approve the FY-2015 Construction Fund Budget. Director Brown seconded the motion. The motion passed (5-0), on a roll call vote.

g. Consideration of Resolution 2014-12, Fiscal Year 2015 Budget

Mr. Jerry Lovato, AMAFCA Executive Engineer, presented Resolution 2014-12, Fiscal Year 2015 Budget. This resolution is the same format as it has been used in previous years, and was reviewed by AMAFCA's legal counsel.

The summary page for each of the fund budgets will be attached to this resolution and will be submitted to the New Mexico Department of Finance and Administration for approval by the June 2, 2014 deadline.

Staff recommended that the Board pass and adopt Resolution 2014-12, Fiscal Year 2015 Budget and authorize the Chair and Secretary to sign.

Director Brown made a motion that the Board approve the adoption of Resolution 2014-12, Fiscal Year 2015 Budget. Director Thomson seconded the motion. The motion passed (5-0), on a roll call vote.



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22. Unfinished Business

None.

23. New Business

None.

24. Adjourn

There being no further business to come before the Board, Chairman Hernandez adjourned the meeting at 3:24 p.m.

Bruce M. Thomson, P.E., Secretary-Treasurer, 6/26/2014

Recorded by Guylene Harris, Executive Administrative Assistant