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1. Call to Order and Roll Call

Chair Brown called the Regular Board Meeting to order at 10:00 a.m. Thursday, September 24, 2015. Roll was noted as follows:

Directors present:	Chair Ronald D. Brown Director Cynthia D. Borrego Director Tim Eichenberg Director Bruce M. Thomson
Directors excused:	Director Deborah L. Stover
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.

Chair Brown announced that Mr. Bob Stover, Director Stover's father passed on the morning of the Board meeting. He gave his condolences to family and friends and further stated that the passing of Mr. Stover is a great loss to the community.

2. Approval of Agenda

Director Eichenberg made a motion to approve the agenda. Director Thomson seconded the motion, which passed unanimously (4-0).

3. Meetings Scheduled

- a. **October 22, 2015, 10:00 a.m. – Regular Meeting**
- b. **November 19, 2015, 10:00 a.m. – Regular Meeting**
- c. **December 17, 2015, 10:00 a.m. – Regular Meeting and Holiday Luncheon**

4. Items from the Floor/Public Comments

No one had signed up for Public Comment. Director Borrego stated that she watched the Pope's Address to Congress and his stance on the environment really made an impression on her and reminded her about the conscientious work the AMAFCA Board does and the impact that they



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have on the community while serving in a public capacity. She further stated she would hope that AMAFCA, as well as the City of Albuquerque and Bernalillo County, would continue their due diligence keeping water and the environment clean for the community and the world as a whole.

5. Approval of Minutes

a. August 27, 2015 Regular Meeting

Director Borrego made a motion to approve the minutes. Director Thomson seconded the motion, which passed (4-0).

6. Financial Matters

a. Approval of August 2015 Expenditures

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, presented the August 2015 Expenditures.

Responding to a question from Director Thomson, Mr. Lovato stated that the payment to the City of Albuquerque (CoA) for the Fugitive Dust Control Permit is an annual fee that has been reduced over the years, thanks to the efforts of Mr. Kurt Wagener, AMAFCA Field Engineer and Mr. Troutman, AMAFCA GIS Manager. He further stated that AMAFCA had put up fencing at some facilities in order to keep out vehicles and put down millings on a number of roads. Both these efforts help to keep down the dust that is raised from vehicle traffic and lowered the cost of the permit. Responding to a question from Director Thomson, Mr. Chavez clarified what appears to be duplication of checks listed on the report is not; the first page of the report lists the expenditures and the last page lists the outstanding checks.

Director Thomson made a motion to approve the August 2015 Expenditure Report. Director Borrego seconded the motion, which passed (4-0).

b. Bank Reconciliation Fiscal Agent Funds

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, presented the Bank Reconciliation Fiscal Agent Funds. No Board action was required. There were no questions.

c. Investment Report for August 2015

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, presented the Investment Report for August 2015. He noted that there is currently \$29.4M in the Local Government Investment Pool (LGIP). No Board action was required. There were no questions.



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c. Investment Report for August 2015

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, presented the Investment Report for August 2015. He noted that there is currently \$29.4M in the Local Government Investment Pool (LGIP). No Board action was required. There were no questions.

d. Financial Position Recap August 16, 2015 through September 15, 2015 & Forecast September 16, 2015 through October 15, 2015

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, presented the Financial Position Recap and Forecast. There were no questions.

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

e. Official Finding to Delete Unit 207, 1991 GMC Lube Truck from Inventory

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, stated that an appraisal was obtained for Unit 207, the 1991 GMC Lube Truck. The fair market value was estimated at \$2,500.00 and the potential sale value came in at approximately \$1,500.00. The Board thanked staff for obtaining the appraisal.

Director Borrego made a motion that the Board approve the deletion of Unit 207, 1991 GMC Lube Truck from Inventory, as presented, and execute the Official Finding for submission to the State Auditor. Director Thomson seconded the motion, which passed (4-0), on a roll call vote.

7. Legal

Attorney Vanessa Chavez stated that the memo pertained to various legal matters. Responding to a question from Director Thomson, Ms. Chavez stated the condemnation of Pond 187 had no new developments and confirmed that AMAFCA has possession of the land.

8. San Mateo to Moon Mini Drainage Management Plan

a. Project Update – Existing Condition Model and Identification of Problem Areas

Mr. Patrick Chavez, Storm Water Quality Engineer, passed out a handout to the Board that Smith Engineering Company compiled using the Hydrologic Engineering Center – Hydrologic Modeling



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System (HEC-HMS). Mr. Chavez covered the locations being studied, which includes the State Fair Grounds, and referred to the exhibits that were delivered to the Board in their mailout package. He stated that Smith Engineering did a literature review and thoroughly understands the area being studied. The study area extends west to east from San Mateo to Moon, and north to south from I-25 to Zuni. Existing storm drains in the study area generally flow south to north and east to west. Smith Engineering determined the hydraulic capacities of the nine storm drain systems before the HEC-HMS was run. Pipe sizes in this area range from 24 to 90 inches, and depending on the slope, hydraulic capacity can range from 12.5 to 420 cubic feet per second (cfs). In the San Mateo Drain System, pipe sizes are either 96 or 102 inches, with a hydraulic capacity ranging from 611 to 805 cfs.

Responding to a question from Director Thomson, Mr. Chavez stated there are approximately 100-150 homes in the study region. Mr. Lovato advised there is a difference between the mapped floodplain and the additional areas that are being identified by Smith Engineering. The additional areas in the study are not currently FEMA (Federal Emergency Management Agency) mapped floodplains.

Mr. Chavez referred the Board to the Drainage Basin Map and noted the San Mateo and Constitution intersection is an area of the San Mateo to Moon Mini Drainage Management Plan (SMMMMDMP) analysis, which demonstrates a significant amount of east-west runoff going past (bypasses) the storm drain in San Mateo.

Prior to viewing the HEC-HMS model, Mr. Lovato stated that the surface water moves very fast (east to west) as it enters the storm drains (three to four percent slopes). Once the water gets into the larger storm drains (north to south), velocities are greatly reduced due to the pipes flat grades (.05 percent slopes). Therefore, flow out of the study slows down dramatically. Mr. Chavez introduced Mr. Chris Naidu with Smith Engineering. Mr. Chris Naidu went over the user interface of HEC-HMS and covered the tabulated results showcasing various analysis points on sub-basins in the watershed. Mr. Naidu referred to the printout from the computer model which was handed out at the meeting. Responding to questions from Director Eichenberg, Mr. Naidu covered the various analysis points in more detail and stated that the information contains a comparison of both velocity (cubic feet per second) and volume (acre-feet).

A Public Meeting has been scheduled for October 6, 2015 to gather additional input from the public. Smith Engineering will begin to develop options and recommendations for regional solutions at a future Board Meeting. Responding to a question from Chair Brown, Mr. Lovato advised that CoA had not been requested to be present at the Public Meeting since the area is San Mateo east to Moon, which is an AMAFCA Drainage Management Plan (DMP). He further stated that neighborhood associations were contacted and a variable message board will advertise the public meeting. It was suggested to request as many CoA engineering staff, as possible, be



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present at the meeting. CoA Public Works will get the calls on this community problem and it would be beneficial to have CoA there to participate in the discussion. Mr. Lovato advised CoA will be invited. Responding to a question from Director Thomson, Mr. Chavez stated recommendations will be made after the public meeting. Responding to a question from Director Borrego, Mr. Chavez stated that it was understood that short term and long term solutions could be costly and Smith Engineering will be looking at both avenues. Responding to a question from Director Borrego, Mr. Chavez stated that the public meeting will be held at Expo New Mexico. Responding to a question from Director Borrego, Mr. Lovato responded that the Fair Grounds is well aware of the problem; however, funding is not known at the State Level at this time. He further stated that the fix would be out a few years from now. Director Borrego advised that the area around San Pedro, south of central is a redevelopment area.

b. Expansion of Study Area West of San Mateo – Approval of Addendum One with Smith Engineering

Mr. Patrick Chavez, Storm Water Quality Engineer, stated that the study area would be expanded west to Washington Street. He further stated that it had been negotiated that CoA would pay for the expansion of the study area. Mr. Lovato stated that the additional cost for the expanded scope to the SMMMDMP would be approximately \$30K. Mr. Lovato covered the boundaries and advised AMAFCA had spoken with CoA and a cost share agreement with CoA will be ready for the next Board meeting. The request is above the Executive Engineer's authority (i.e. over \$20K, per item). AMAFCA would like Smith Engineering to start the work on the additional study area as soon as possible.

Director Borrego and Chair Brown had acknowledged City Councilor Diane Gibson, who represents District 7, was present. Chair Brown thanked Councilor Gibson for attending the Board meeting. Director Thomson asked if Councilor Gibson would like to address the Board. Councilor Gibson thanked the Board and stated she was happy that AMAFCA was looking into alternatives for the flooding problems in this area. She further stated that CoA installed speed tables, which have helped, but they have not alleviated the flooding issues. She further stated that she hopes that CoA will work with AMAFCA on this study in order to fix the problems that can be addressed. It was mentioned that AMAFCA is currently working on a Drainage Management Plan (DMP); however, this area was developed before a DMP was done.

Responding to a question from Director Eichenberg, Mr. Doug Andrews with Smith Engineering stated that Smith Engineering is willing to do the additional study. Responding to a question from Director Eichenberg, Mr. Daggett thanked the Board and stated that the area had been identified as a problem. CoA had implemented the speed table last year, as an interim solution, but it did not fix the problem. Mr. Daggett further stated that CoA appreciated AMAFCA's cooperation in helping to find solutions for this problem. Responding to a question from Chair Brown, Mr. Daggett



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advised that a speed table is another word for a speed hump. He reiterated that the speed table was just a temporary solution.

Staff recommended that the Board authorize AMAFCA staff to issue Addendum 1 to Smith Engineering Company to expand the study area of the SMMDMP to the west up to Washington.

Director Borrego stated this is a public safety issue and suggested that once the study has been done, and the recommendations have been made, CoA, AMAFCA, and other agencies, need to identify funding to take care of the flooding problems in this area.

Director Thomson made a motion that the Board authorize the Executive Engineer to issue Addendum 1 to Smith Engineering Company to expand the study area of the SMMDMP west to Washington, with the understanding the City of Albuquerque will pay for the additional cost for the expanded scope. Director Borrego seconded the motion, which passed (4-0).

9. Executive Engineer's Report

a. Notification of Past Month's Activities

Chair Brown acknowledged Mr. Paul Smith, Executive Director of the Albuquerque International Balloon Fiesta, was present. Mr. Lovato introduced Mr. Smith and stated that in anticipation of this year's Balloon Fiesta, AMAFCA will be removing sediment and debris from the North Diversion Channel outfall, repairing fences and gates, and replacing key locks with combination locks. The completion of the Bathtub Project, earlier this year, will greatly reduce the time spent cleaning the outfall area. Mr. Smith thanked the Board and AMAFCA for what was done for the Balloon Fiesta area over the years. Responding to a question from Director Eichenberg, Mr. Smith stated that there are approximately 18 countries and the event is maxed at balloon capacity. There are many first time balloons this year. He further stated that CoA has done a lot on the Balloon Fiesta Park, including replacing the pilot tent with a permanent structure, flushing facilities, as well as heat and air conditioning in the structure. Chair Brown thanked Mr. Smith and acknowledged that the Albuquerque International Balloon Fiesta is an incredible amenity for the community.

Mr. Jerry Lovato, AMAFCA Executive Engineer, highlighted significant activities of the past month:

- **Environmental Protection Agency (EPA), Urban Waters *Urban Waters Federal Partnership***: The cooperatives that are allowed in the new permit are designed to reduce the costs associated with compliance.



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Chair Brown stated that both Director Thomson and the Office of the State Engineer (OSE) were at the recent Water Task Force meeting. It was suggested that AMAFCA, CoA, and BernCo meet with New Mexico's Senators and Representatives due to the misinformation that is out in the community to identify what the AMAFCA, BernCo, and CoA are doing. It might be tough getting everyone to one meeting; two to three meetings may be required. Mr. Lovato advised he will work on getting a meeting set and will update the Board in a couple of weeks.

- **Boca Negra Dam *Emergency Action Plan*:** The Emergency Action Plan (EAP) was completed and had been submitted to the OSE. Responding to a question from Director Thomson, Mr. Lovato stated that there does not seem to be a backlog on getting EAPs approved.
- **Operations, Maintenance, Repair, Replacement, and Rehabilitation (OMRRR):** In an effort to optimize flows in the Isleta Drain, the Middle Rio Grande Conservancy District (MRGCD) conducted a training exercise with BernCo and AMAFCA field staff to train heavy equipment operators on the proper method to clean the drain.
- **Public Outreach**
Expo New Mexico: AMAFCA participated in the 2015 Expo New Mexico State Fair Parade on September 12, 2015. AMAFCA had two entries in the parade that highlighted storm water quality, ditch safety, and flood control. Two pieces of new equipment, the 8-inch water pump and the new backhoe loader, were shown off.

The Bernalillo Brew Fest 2015: AMAFCA, through the Storm Team, participated in the 2015 Brew Fest held in the Town of Bernalillo on September 5 - 6, 2015. The Storm Team handed out information concerning stormwater quality and conducted surveys to determine stormwater quality awareness in the greater Albuquerque area.

Valley Celebration 2015: AMAFCA, through the Storm Team, participated in the first Valley Celebration on Saturday, September 19, 2015.

Hamilton Dam – Informational Meeting to Introduce Project: AMAFCA conducted a public meeting on September 21, 2015 at Double Eagle Elementary School to introduce the Hamilton Dam Project. Chair Brown and AMAFCA staff attended.

San Mateo to Moon Mini Drainage Management Plan – Informational Meeting to Request Information on Flooding Problems within the Planning Area: AMAFCA will be conducting a public meeting at the beginning of October to request information from the public concerning flooding problems within the study area. AMAFCA has completed a



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model of the existing conditions and will use the information gathered from the public meeting to refine the model.

Pond 187 – Informational Meeting to Introduce the Construction Project: AMAFCA will be conducting a public meeting at the end of October to provide additional information concerning the Outfall Project to the affected neighborhoods.

Responding to a request from Director Borrego, Mr. Lovato stated the Ditches are Deadly campaign is not run directly by AMAFCA; it is run through the Ditch Safety Coordinator. It was suggested to do something more dramatic on the website to call out the program.

b. Notification of On-Call Services Task Orders

Mr. Lovato referred to his memo for the task orders that had been issued the prior month. There were no questions.

Consent Agenda:

Chair Brown stated that agenda items 10 through 12 were on the Consent Agenda. No items were moved from the Consent Agenda. There being no further items on the Consent Agenda, Director Eichenberg made a motion that the Board:

- Authorize the Executive Engineer to advertise a RFP for On-Call Engineering Services for Category I, II, and II;
- Authorize the Executive Engineer to advertise the construction bids for the 2015 AMAFCA Miscellaneous Construction Projects; and
- The Board approve, substantially as attached, the Agreement with Weston Solutions, Inc. to provide Design and Construction Management Engineering Services for the Tijeras Arroyo Sediment Retention Structure Project, on a time and materials basis, not to exceed \$177,952.00, not including New Mexico Gross Receipts Tax (NMGRT).

Director Thomson seconded the motion, which passed (4-0).

Regular Agenda:

13. AMAFCA Personnel Manual – Approval of the 2015 Updates and Revisions to the AMAFCA Personnel Manual

Mr. Jerry Lovato, AMAFCA Executive Engineer, stated that the updated AMAFCA Personnel Manual was reviewed by Legal and only small edits remained. Director Thomson stated that he



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reviewed the revisions and is comfortable with the manual. Responding to a question from Director Eichenberg, Attorney Chavez stated that Legal did a full analysis of the manual. Responding to a question from Director Borrego, Mr. Herman Chavez stated that AMAFCA has the same healthcare providers as CoA; however, the manual listed types of physicians as specified under the Family Medical Leave Act (FMLA).

Responding to a request for a hardcopy of the final AMAFCA Personnel Manual from Directors Borrego and Eichenberg, Mr. Chavez replied that the final version will be provided to the Board.

Director Thomson made a motion that the Board accept the AMAFCA Personnel Manual, substantially the same as attached. Director Eichenberg seconded the motion, which passed (4-0).

14. Southwest Valley Flood Reduction Project Phase IIa

a. Bernalillo County Design Review Fees – Approval of Amendment Five with the Larkin Group

Mr. Bradley L. Bingham, AMAFCA Drainage Engineer, stated that during the review and approval process with BernCo, it was discovered that AMAFCA would need to pay design review fees for the Pond 187 Outfall Project. Amendment Five to the original agreement would add Task E, Bernalillo County Design Review Fee Allowance, to the contract, giving AMAFCA the authority to reimburse Larkin Group for the fee payment. The allowance for the Project is \$47K to account for minor contingencies in the construction cost. Responding to questions from Director Eichenberg, Mr. Bingham stated that the design review fees were not forgotten, but the entire cost of the project was not known at the time, hence the original agreement with Larkin Group had no provision to pay the fees. He further stated that BernCo could not waive the fees. Mr. Roger Paul with BernCo stated that on joint projects BernCo has been able to waive the fees; however, with the Southwest Valley Flood Reduction Project the fees could not be waived since they were not called out in the agreement. He further stated that USACE and BernCo paid their portion of the fees. He stated that going forward a cooperative agreement may be done to work these fees into another project. There was discussion regarding compensation being included into future cooperative agreement(s).

Staff had recommended that the Board approve Amendment Five to the original agreement to provide an allowance of \$47K for the payment of design review fees.

Director Borrego stated that she would vote to approve; however, reluctantly, with the stipulation that in the future, joint agreements include a form of re-compensation.



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Director Borrego made a motion that the Board approve Amendment Five to the original agreement with Larkin Group, to include provisions for a Design Review Fee Allowance of \$47,000.00. Director Thomson seconded the motion, which passed (4-0).

b. Southwest Valley Flood Reduction Project Phase IIa – Pond 187 Outfall Construction Management Services – Approval of Amendment Six with the Larkin Group

Mr. Bradley L. Bingham, AMAFCA Drainage Engineer, stated that the design contract with Larkin Group provided for construction management services that would be negotiated once the design was complete. He further stated that at the August Board meeting, AMAFCA was authorized to advertise for bids.

Responding to a question from Director Thomson, Mr. Bingham stated that the amount was in the original budget. Mr. Lovato confirmed that the cost is within the original budget for the project. Staff had recommended that the Board approve Amendment Six in the amount of \$112,350.00

Director Thomson made a motion that the Board approve Amendment Six with Larkin Group to provide Construction Management Services for the construction of the Pond 187 Outfall Pipe Project in the amount of \$112,350.00, plus NMGRT. Director Borrego seconded the motion, which passed (4-0).

c. Southwest Valley Flood Reduction Project Phase IIa – Pond 187 Outfall Pipe Project – Award of Construction Contract

Mr. Bradley L. Bingham, AMAFCA Drainage Engineer, stated four contractors submitted bids and the bid tabs were reviewed and checked. Staff had recommended the Board approve Salls Brothers Construction, Inc., as the lowest qualified bidder in the amount of \$1,108,541.40.

Responding to a question from Chair Brown, Mr. John White with Salls Brothers stated that they were ready and able to do the work at the bid price. Responding to a question from Director Thomson, Mr. Lovato stated that the difference in AMAFCA's engineering estimate and Larkin's engineering estimate. Mr. Bingham stated that Larkin's numbers also takes into account the additional last minute items that are needed to finish the work.

Director Thomson made a motion that the Board accept Salls Brothers Construction, Inc. as the lowest responsible bidder and authorize the Chair to execute the contract for the construction of the Pond 187 Outfall Project in the amount of \$1,108,541.40, plus NMGRT. Director Eichenberg seconded the motion, which passed (4-0).



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15. Rio Grande Water Fund – Project Update by Ms. Laura McCarthy

Mr. Lovato introduced Ms. Laura McCarthy with the Rio Grande Water Fund. Ms. McCarthy passed out packets of information to the Board and answered various questions. She covered the reason(s) for creating the fund, as well as the 40+ charter signatories as of September 24, 2015. Part of her presentation included information from the 2011 Los Conchas Wildfire and the flooding of the Dixon Apple Orchard. A recap of key studies, cost categories and estimates for fire suppression and rehabilitation, operations and maintenance, as well as funds received from Federal, State, and private partners were reviewed. She covered fire implications and the cleaning process for the west and east side of the Sandia Mountain. Budget content was reviewed and it was noted that the fund is investing money. Responding to a question from Director Borrego, Ms. McCarthy pointed out the funded projects such as: San Juan – Chama, Tusas – San Antonio, Isleta Project San Antonio – Jemez, Taos Valley, American Park, and Galondrio – Abiquiu. Various candidate projects such as the Los Pinos, and Santa Fe Watershed were covered. Responding to a question from Director Thomson, Mr. Lovato advised AMAFCA is aware of the United States Geological Survey (USGS) Study on the Sandia/Manzano Mountains. Mr. Lovato also covered what could happen in the Tijeras should fire debris flow down towards the Rio Grande. Ms. McCarthy stated she is interested in working with AMAFCA staff to see what AMAFCA would be able to invest in.

16. Field Highlights

a. Field Report

Mr. Wagener gave a report on various projects and events over the past month. The slides opened with picture of a hawk near the Balloon Fiesta stockpile and additional pictures of the same hawk being challenged by a couple of roadrunners, a couple slides at North Diversion Channel next to the Alameda Gauge showed Mr. Jeffery Willis, AMAFCA Real Estate Manager, working on the Flow Installation structure and followed up with a picture that Ms. Savannah Martinez, AMAFCA/UNM Intern, took the next day which showed a rattlesnake hanging out in a hole under the fixture; a few of slides of the September 15, 2015 Storm that had 66 cfs at the NDC, and Ms. Martinez doing density testing of the storm water for gauge calibration; slides showing the crew with the new backhoe and loader (loader can accommodate a change from a rock bucket and conventional bucket and vice versa in about two minutes as opposed to a hour with three crew members installing); vegetation removal at Rinconada Channel where a small excavator was used on the north side which is very tight; coordination of maintenance training under the OMRRR for Drain Maintenance Training with the MRGCD, BernCo, and AMAFCA crew at the Isleta Drain (reshaping of the drain was done); several pictures showing the United States ARMY Corps of Engineers (USACE) Bosque Restoration Project at the San Antonio Outlet (AMAFCA easement) showing areas where pipe was installed and where a 48 inch end section had snapped; Pond 187A



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showing the final inspection, the area behind Rio Grande High School, along with location of the bat house installed at location to help with mosquito control. Responding to a question from Chair Brown, Mr. Wagener stated that there are no statistics on the number of bats using the bat houses; however, of the eight houses that AMAFCA had installed, there is one that has been occupied by a bat. The presentation continued with picture of the Pre-bid for the Pond 187 Outfall Project; multiple pictures of the Westside Boulevard Widening Project; several pictures of the Agency and Area-Wide 2014-2015 Project on the I-40 Channel Embudo Channel where a bad joint was noticed in the Channel on the New Mexico Department of Transportation (NMDOT) portion; project totally done in four days (a lane of the freeway was closed from 9:00 a.m. – 3:00 p.m. for this project). Responding to a question from Director Thomson, Mr. Wagener stated that this area has a box culvert and concrete or dump trucks cannot move around in the box culvert. Also included were various pictures of the Academy Hill Park/Channel and videos – the channel was built back in the 1970s. It appears that the channel can only handle a ten-year storm. Mr. Wagener stated that due to fines sent to CoA by the Albuquerque Bernalillo County Water Utility Authority, a path was built and rock was put between channel and path to help curtail water waste; however, no grass was put where it was cut out. Various work was done on this project including: water diversion put in, bad pieces of paving and a couple pieces of the channel taken care of, the void was grouted, dirt was hauled in, paving was done. Responding to a question from Director Borrego, Mr. Wagener stated that AMAFCA uses a Class A Mix which goes up to 3,000 pounds per square inch (psi). Responding to a question from Director Thomson, Mr. Wagener stated that this channel was not designed for a 100-year event. Mr. Daggett stated that the channel was initially a low flow channel. CoA is thinking about a bigger project and consultants are being used to see what options can be done. He thanked the AMAFCA Board and Mr. Wagener for the use of the Agency and Area-Wide contract for this project. Mr. Wagener stated that CoA Parks and Recreation Department had been informed that it is imperative to put more grass between the old grass and walking path as soon as possible. Multiple pictures were shown of the Piedras Marcadas Dam Water Quality Structure; a video of the September 22, 2015 Storm running 4,000 cfs through the tiger teeth at Bear Arroyo Dam at Jefferson; a picture of the Interim Post Office Pond; hail at the confluence at NDC; Fire Department Deployment video showing the setup of the Swift Water Rescue Squad with various pictures of rescue workers and vehicles at the North Outfall attempting to locate an individual who was in the water (AMAFCA is used as an asset in the event of a rescue and responds to the Incident Commander on site), video of rescue hovercraft and airboat working the rescue recovery effort. This was followed by a slide showing a picture of the Hazard Mitigation Plan Resolution adopted by the BernCo Commission. Federal Emergency Management Agency (FEMA) had approved the entire document. A couple of pictures of the EPA Charrette (Director Borrego, Mr. Lovato, and AMAFCA staff attended); several slides showing the Danny's Diversion Dedication that was officially dedicated prior to the August Board Meeting; the Hamilton Dam Public meeting; and closed with a picture of a double rainbow in the sky taken at the Lobo and Mississippi Valley State football game.



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b. Construction Report

Mr. Wagener referred to the August Construction Report. He stated that the Agency and Area-wide change order for \$56K used almost all of the remaining funds. As referenced in Field Highlights, AMAFCA received a request to help CoA DMD do repairs at the Academy Hills Park, which resulted in change order 6 for \$46K. Responding to a question from Director Thomson, Mr. Bingham stated that the Pond 187A excavation did not hold up the Albuquerque Public Schools (APS) work at Rio Grande High School. He further stated that the work on the APS soccer field had commenced and APS is happy.

17. Real Estate

a. ABQ Health Partners Clinic by South Diversion Channel – Approval of Private Storm Drain Connection

Ms. Lynn Mazur, Development Review Engineer, stated Mr. Ron Bohannon with Tierra West, was present. Mr. Bohannon was the engineer for the Capstone Subdivision. She further stated that the proposed private storm drain connection is Phase II of the Capstone Subdivision. The eight acre tract was proposed to be phase two of the Capstone student housing development; however, there is no need for additional housing at this location. ABQ Health Partners has requested a new storm drain outfall to the South Diversion Channel (SDC) in conformance with the Drainage Management Plan (DMP) for the development. The northern portion of the existing student housing project drains to detention / water quality ponds next to I-25. The ponds discharge to the SDC through an existing 24-inch corrugated metal pipe. There are also plans to expand the existing bio swale.

Legal is reviewing and staff had recommended that the Board authorize the Executive Engineer to issue the Private License Agreement for Storm Drain Connection to the South Diversion Channel, substantially the same as attached.

Director Thomson made a motion that the Board authorize the Executive Engineer to issue the Private License Agreement for Storm Drain Connection to the South Diversion Channel, substantially the same as attached. Chair Brown seconded the motion, which passed (4-0).

b. Notification of Issuance of Short Term Recreational Licenses

Mr. Jeffrey S. Willis, AMAFCA Real Estate Manager, stated that the Executive Engineer issued eight cross country events across Albuquerque. There were no questions.



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18. NPDES MS4 Permit

a. 2012 Permit Requirements – Update on AMAFCA Activities

Mr. Patrick Chavez, Storm Water Quality Engineer, stated that AMAFCA is currently caught between two permits. AMAFCA's Notice of Intent (NOI) was filed electronically with the Environmental Protection Agency (EPA). EPA had advised that the Annual Report needed to be submitted by December 1, 2015 with a 45-day public comment period. There is continued monitoring under the 2012 Permit. The consultants that are used for the Storm Water Quality contracts provide monthly memos to show the work being done. He referred the Board to their mailout listing the reports. Responding to a request from Director Thomson, Mr. Chavez provided a summary of the responsibilities on the contract for the other Storm Water Quality On-Call Contracts. He stated that Bohannon Huston (BHI) and Daniel B. Stephens (DSB) does the maintenance and operation of the auto samplers, grab samples, and delivers the samples to the Lab. Narasimhan Consulting Services (NCS) monitors the temperature at four locations, sondes at five locations, and monitors Dissolved Oxygen (DO) used to calculate harassment of silver minnow related to the storm event. Responding to a question from Director Thomson, Mr. Chavez responded that rugged DO is what the instrument records. Mr. Lovato stated that rugged DO is a calculation within the software. Mr. Lovato further stated that the zeros showing up on the equipment at the Embayment can get fouled by sediment or that the equipment has come out of the water. Responding to a question from Director Thomson, Mr. Lovato stated that one of the issues with the USGS monitoring reports was that the zeros were not submitted to AMAFCA until six months after the applicable month. Now, with reports being run every 30 days, the equipment under warranty which shows zeros can be sent back to the manufacturer for repairs. It was suggested that zeros not be listed in the report(s); utilize NR or No Reading instead.

b. 2015 Permit Requirements – Update on AMAFCA Activities

Mr. Patrick Chavez, Storm Water Quality Engineer, stated that staff is updating the Stormwater Management Plan (SWMP) for the December 1, 2015 deadline. There is a 30-day public comment period that will be advertised for the updated SWMP.

Director Thomson stated that during his meeting with the Water Task Force it was apparent that there is a lot of confusion on the Drainage Ordinance and that AMAFCA does not have a seat at the table. Mr. Lovato stated that AMAFCA was at the table a year ago. There was a brief discussion on the Drainage Ordinance. Mr. Daggett stated that in 2014 a Water Quality ordinance was passed, which is still being vetted. The Water Task Force had submitted comments and CoA addressed them. Mr. Daggett further stated that the ponding in the Drainage Ordinance has gone through a first review. EPA has given a three year time frame to change the Drainage Ordinance



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from .44 to .6. CoA had met with the local National Association of Industrial and Office Properties (NAIOP) many times. Responding to a comment from Chair Brown, Mr. Daggett stated that he has not heard anything from the OSE on this issue. Responding to a request about documented clarification from Director Thomson, Mr. Daggett stated that in the new permit there is a line in the new permit that states if the requirements of the permit conflicts with state law, state law takes precedence. Responding to a question from Director Thomson, Chair Brown advised that both he and Mr. Lovato had meet with CoA staff several times on the Storm Water Ordinance.

19. AMAFCA CY 16 Project Schedule – Review of All Projects

Mr. Bradley L. Bingham, AMAFCA Drainage Engineer, stated the project list contained 328 projects, with a total estimated cost of \$727M. All drainage projects were discussed during the last four Board meetings. He presented the timeline, noting that at the October Board meeting, a draft list of the projects programmed to be included in the CY 16 Project Schedule will be presented for discussion. It is the intention of staff to have the draft document before the Board at the November meeting, and final adoption in December. Mr. Lovato stated the Project Schedule is done about six years out and a project can be added or removed at Board discretion.

Staff had requested Board input and guidance on the proposed projects to be included in the AMAFCA CY 2016 Project Schedule. There were no questions.

20. Unfinished Business

Mr. Lovato, AMAFCA Executive Engineer, updated the Board on the I-40 Project. He stated that Wilson and Company had a model developed that is being run at the Engineering Building on the University of New Mexico (UNM) campus. The model is a 1 to 86 model of the channel. The possible location of the volcano was shown. There will be a public meeting scheduled in the future.

It was mentioned that Mr. John Kelly had suggested a facility on the Tijeras Arroyo so that it flows into the Barr Canal. There was discussion on desilting and using the Bosque for the Calabacillas.

Responding to a question from Chair Brown, Mr. Lovato stated that a water quality feature could be done at the SDC; however, AMAFCA needs to do the Tijeras Arroyo first. He further stated that looking at the big picture; AMAFCA is dealing with the CoA projects for 2nd Street, Rio Bravo to SDC, and SDC to Valle de Oro (VdO). Federal Funding is looking at a project at the SDC to VdO, with the possibility of a project at the SDC to Rio Bravo. It is important not to put a project there that will be in the way.



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21. New Business

None.

21. Adjourn

There being no further business to come before the Board, Chair Brown adjourned the meeting at 1:14 p.m.

Tim Eichenberg, Secretary-Treasurer, 10/22/15

Recorded by Guylene Harris, Executive Administrative Assistant