

**PINELLAS PARK WATER MANAGEMENT DISTRICT**  
**6460 35<sup>TH</sup> STREET N**  
**PINELLAS PARK, FL 33781-6221**  
**(727) 528-8022**

**July 21, 2016**  
**Regular Authority Meeting # 5**  
**MINUTES**

**IN ATTENDANCE**

Randal A. Roberts, Executive Director  
Jennifer Cowan, Attorney  
Mitch Chiavaroli, McKim & Creed  
Street Lee, McKim & Creed  
Nick Charnas III P.E., CDM Smith  
Lou Bommattei, Resident Springwood II  
Karen Lowe, CDM Smith  
Dan Strobridge, CDM Smith  
Robin Riley, PRIA  
David Cook, PPWMD  
Lisa Atkinson, PPWMD

Chairman Charles Tingler called to order the Regular Authority Meeting # 5 for July 21, 2016 at 5:30 P.M.

**ROLL CALL**

Mr. Farrell - Present  
Mr. Taylor - Present  
Mr. Tingler – Present

**MINUTES**

Mr. Taylor made a motion to approve the minutes of Special Meeting held on June 13, 2016.  
Second was made by Mr. Tingler  
No discussion. Roll Call:

Voting Aye: Mr. Taylor and Mr. Tingler

**MOTION APPROVED**

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**Out of Order**

Randal A. Roberts, Executive Director, stated he would like to move up the Health Insurance Renewal. There was consensus of the Board for the change. Robin Riley, Public Risk Insurance Agency (PRIA), explained the District's current coverage with United Health Care cost will decrease by 1% by switching to a similar Choice Plan with better benefits. Randal A. Roberts, Executive Director recommended that the District renew the current coverage with United Health Care Choice Plan JN-S. Mr. Farrell made a motion to accept the United Health Care Choice Plan JN-S as presented by the Executive Director. Second was made by Mr. Taylor.

No discussion. Roll Call:

Voting Aye: Mr. Farrell, Mr. Taylor and Mr. Tingler

**MOTION APPROVED**

**OLD BUSINESS**

**11-17-2015**

**CHANNEL 1AW – RENEWAL FROM 58<sup>TH</sup> STREET TO CH 1 (14-07)**

Randal A. Roberts, Executive Director, stated this project design is currently 90% complete. Construction to begin on schedule FY18.

**03-21-15**

**CHANNEL 1AW – REPAIR AT SKYVIEW POOL (14-06)**

Randal A. Roberts, Executive Director, stated the project design is currently 90% complete. Construction to begin on schedule in FY17.

**03-20-14**

**CHANNEL 1B5 – UPGRADE AT 79<sup>TH</sup> AVE. & 56<sup>TH</sup> ST. (10-25)**

Randal A. Roberts, Executive Director, stated construction on this project is complete and was \$33,845.00 under budget.

**09-18-14**

**CHANNEL 1C – RENEWAL FROM 98<sup>TH</sup> AVE. TO CONFLUENCE OF CH 1 (10-08)**

Randal A. Roberts, Executive Director, stated this project is at the 90% design milestone and we have received our SWFWMD permit. We recently approved for Duke Energy to begin utility relocation ahead of construction. Phase 1 of the construction is scheduled to begin in FY17.

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**11-21-13**

**CHANNEL 2 – FABRIFORM REPLACEMENT AT CONFLUENCE W/ CH 2A (10-10)**

Randal A. Roberts, Executive Director, stated the project has been completed and under budget by \$21,226.22. Mr. Farrell made a motion to approve final payment for Project (10-10) Channel #2 Fabriform Replacement in the amount of \$91,081.98 to Keystone Excavators, Inc. Second was made by Mr. Taylor

No discussion. Roll Call:

Voting Aye: Mr. Farrell, Mr. Taylor and Mr. Tingler

**MOTION APPROVED**

**09-18-14**

**CHANNEL 3A – RENEWAL FROM 41<sup>ST</sup> ST. N TO 46<sup>TH</sup> ST. N (10-09)**

Randal A. Roberts, Executive Director, stated the construction on this has been completed and was under budget by \$24,180.20. Mr. Farrell made a motion to approve final payment for Project (10-09) Channel #3A Renewal from 41<sup>st</sup> Street to 46<sup>th</sup> Street in the amount of \$41,128.20 to Keystone Excavators, Inc. Second was made by Mr. Taylor.

No discussion. Roll Call:

Voting Aye: Mr. Farrell, Mr. Taylor and Mr. Tingler

**MOTION APPROVED**

**11-21-12**

**CHANNEL 4- FABRIFORM REPLACEMENT SOUTH OF 67<sup>TH</sup> AVE. (10-11)**

Randal A. Roberts, Executive Director, stated construction on this project has been completed and was under budget by \$2,640.00. Mr. Farrell made a motion to approve final payment for Project (10-11) Channel #4 Fabriform Replacement South of 67<sup>th</sup> Ave in the amount of \$47,023.78 to Keystone Excavators, Inc. Second was made by Mr. Taylor.

No discussion. Roll Call:

Voting Aye: Mr. Farrell, Mr. Taylor and Mr. Tingler

**MOTION APPROVED**

**01-15-2015**

**CHANNEL 4- PANEL REPLACEMENT (10-19)**

Randal A. Roberts, Executive Director, began the discussion of Channel 4 issue area. Nick Charnas, District Engineer, stated that for the FY 2011 CDM Smith submits the Long-Range Facilities Plan (LRFP) to the District recommending removing fabric form liner and installing rip rap liner, McKim & Creed subcontracts with Driggers Engineering to collect and provide in-situ

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geotechnical data and recommendations. McKim & Creed submits a preliminary design report (PDR) to the District for reinforced concrete panels, District requests McKim & Creed revise PDR for an interim solution, expecting a 10-15 year design life. McKim & Creed submits a revised PDR to the District for articulated concrete blocks (ACB) with Driggers Engineering input. FY 2012 McKim & Creed engineers proceed with ACBs, District advertises project and selects Caladesi Construction to perform work, McKim & Creed oversees construction of ACBs. ACB movement

was noted following Tropical Storm Debby (north side of Channel 4). FY 2013 District negotiates agreement with McKim & Creed to repair project. McKim & Creed Engineers proceed with improved sub-drainage system, District advertises project again and selects K&R Construction to perform work and McKim & Creed oversees construction. FY2014 Construction of repair finishes and construction contract is closed out. FY 2015 ACB movement noted along south bank of Channel 4. McKim & Creed collects survey data. Driggers Engineering collects groundwater data. FY 2016 McKim & Creed collects additional survey data. Driggers Engineering submits report to District indicating issues with sub-drainage layer and District meets with McKim & Creed to discuss repair solutions.

Pictures of conditions were shown, new condition after construction finished in 2013 and recent picture showing movement of ACB.

Street Lee, McKim & Creed, presented cross sections and plan view documents of the area in question. Mr. Lee stated that the ACB's are connected and are located along the channel slopes and across the bottom of channel. Because of movement prior to April 2015 there has been buckling in the center of the channel. There is no evident buckling at the end section. The hump in the middle of the channel is 18-24 inches.

Mr. Charnas gave a summary of the Driggers Engineering report from email on February 15 and the final report February 22. The report states that seepage is at least partially block by the geotextile which suggests clogging of geotextile openings.

Mr. Roberts stated the first repair in 2011 to the area in question was \$210,000 which was paid by the PPWMD. The cost of the second repair in the area, which involved installing the additional drainage layer, was split by McKim and Creed and the PPWMD. McKim and Creed contributed about \$200,000 which was related to the ACB as well as engineering services in kind. The PPWMD paid \$154,000 for the cost of the drainage layer. A total cost of \$364,000 has been paid by the PPWMD thus far. A more permanent solution for the area, concrete panels, will cost about \$800,000.

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Mr. Lee stated McKim and Creed was informed by District staff of movement on the south side of the channel in April 2015. The condition of the channel has been monitored since that time. Multiple surveys of the movement have been performed. The surveys indicate that since May 2015 movement of the ACB is minimal. The ACB's are not structural and will move with soil beneath the ACB's. Based on the survey information, the area is stable in the current configuration. Primary purpose of ACB's was to stabilize channel against erosion and maintain conveyance capacity. There is not enough data collected to determine cause of the movement. Various repair approaches have been discussed with PPWMD staff. Option one is to continue monitoring and allow area to function as is, in an interim capacity with continued maintenance. Option two is to install concrete panels which is estimated to cost \$800,000 and have many advantages. For monitoring option, it is possible to clip out and relay buckled section of ACB to improve maintenance and aesthetics. Cost of clipping method is not yet known. Buckled exposed block area is not hampering hydraulics of channel to any significant degree in McKim and Creed's opinion. There is a weir downstream of area in question. Option three would be to install additional weep holes behind the drainage and fabric layers.

Through discussions with Board members, Mr. Lee stated that the cutting back of existing vegetation to increase flow capacity and discourage root mats from forming is necessary. There is a void under the blocks which have buckled upward.

Mr. Charnas stated that the PPWMD maintenance employees have been instructed to stay away from the buckled area for safety reasons.

Mr. Lee stated when asked about how long monitoring will continue indicated that continuous monitoring is necessary while varying the frequency of checking and survey. Cost estimates for options 1 and 3 are unknown and will be provided to the PPWMD.

Mr. Charnas stated that per Driggers Engineering's email pressure head had built up behind the geotextile behind the drainage layer. The geotextile is blocking seepage between the soil layer and the drainage rock layer. The weep hole system would be important for any fix of the ACB.

Mr. Lee stated that the area of movement is limited while construction was consistent along the whole area. While Driggers has rendered an opinion of the cause, not enough investigative work has been done, and there seems to be something different in the location of the movement. In his opinion he does not believe that it is a product issue, product being ACB material. There are no indications of construction issues.

Mr. Roberts stated that the cost to repair the ACB as stated in option 1 could be \$10,000-\$15,000, and noted that the repairs may not last. McKim and Creed have not given a definitive cause to the

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movement and Driggers Engineering have stated it is a hydrostatic issue. To install the additional weep holes could be \$10,000-\$20,000. The current conditions are of a repair to a 10-15 year asset that was installed 3 years ago. The buckling has led to a maintenance issue but not necessarily a flooding issue unless debris catches on the elevated blocks.

David Cook, PPWMD Maintenance Supervisor, stated that after every rain event the maintenance staff must clean up debris and trash from the buckled area. The resident nearest the area also complains.

When questioned about the configuration of the ACB drainage layer, Mitch Chiavaroli, McKim and Creed, stated that there is geotextile fabric under both sides and the bottom but is unsure if the rock drainage layer is under the bottom of the channel but the rock drainage layer was constructed on the slopes.

Mr. Roberts has stated that he does not want to spend more PPWMD money to fix the problem area when the cause of movement is still not certain and McKim and Creed is unsure if the repairs will resolve the movement issue. The Driggers Engineering report is the only document showing a cause but Mr. Lee does not completely agree with the report.

Mr. Lee stated that there are too many questions regarding the Driggers report. He is unsure of the cost to continue monitoring and deeper investigating is an unknown cost, such as excavation. He does not believe that the area has failed, as it is still performing despite the aesthetic and maintenance concerns.

Jennifer Cowen, PPWMD Attorney, stated that District staff is looking for direction from the Board as to whether they would like to continue investment in the existing system of ACB or would like to pursue a longer term solution of concrete panels. The pictures show that the project that was paid for is no longer the project that is out there now. Monitoring and the other repair options are possible but PPWMD has asked for a path of remedy. Also, McKim and Creed has been asked for financial commitments to the ACB remedies mention but McKim and Creed has not made any financial commitments. Is the Board prepared to bear the cost moving forward and continue negotiations when a cause has not been found, except by Driggers Engineering, for the last 3 to 4 months? There are legal means in this case to take legal action. If the decision is to continue monitoring, then a time frame should be established. You don't want to monitor to a point where you give up legal remedies. Depending on the path taken, the PPWMD may give up some legal standing and remedies. In the contract with McKim and Creed, PPWMD is indemnified from any damages caused by McKim and Creed's negligence.

When asked if McKim and Creed would be willing to pay for repairs, Mr. Lee stated that McKim and Creed would be willing to discuss the option once the cause is known.

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Ms. Cowen stated that the time line for monitoring would be dependent on litigation strategy and she would discuss with the Board individually their options.

Mr. Lee stated when asked, that McKim and Creed has demonstrated a willingness to work with the PPWMD and interested in resolving the issue. McKim and Creed will have the cost associated with the repair options prepared for the next PPWMD Board meeting depending on the PPWMD staff's willingness to work with McKim and Creed. In the two-month time frame, the cost can be gathered and McKim and Creed's formula for contribution. There has been no indication of negligence on McKim and Creed's behalf. There have been questions of McKim and Creed's willingness to contribute to the cost of the repairs when McKim and Creed are not sure of the cause of the issue and whether it is their responsibility. McKim and Creed is not trying to waste time.

When asked how McKim and Creed will define the cause of the problem Mr. Lee stated, that will depend on the cost estimates of the repairs, and that he does not want McKim and Creed or the PPWMD to spend a lot of money to chase down the cause.

Ms. Cowen stated that McKim and Creed should be prepared at the next meeting to state what the additional longevity of the proposed solutions will be if implemented.

**01-21-2016**

**DISTRICTS MODERNIZATION PROGRAM**

Randal A. Roberts, Executive Director, stated that we recently met with Locher Environmental to discuss replacement of channel gauges that will replace aging, unreliable equipment, reduce reporting costs, and give instantaneous information during a storm event over the internet. We also recently met with Verizon to discuss equipment that will help streamline work order management.

**FINANCE**

**a) Financial Statement – June 2016**

Mr. Farrell made a motion to accept the financial statement for June 2016 as presented and on file in the District Office. Second was made by Mr. Tingler.

No discussion. Roll Call:

Voting Aye: Mr. Taylor, Mr. Farrell and Mr. Tingler

**MOTION APPROVED**

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**b) Investment Summary – July 2016**

Mr. Farrell made a motion to accept the Investment Summary for July 2016 as presented and on file in the District Office. Second was made by Mr. Tingler.

No discussion. Roll Call:

Voting Aye: Mr. Taylor, Mr. Farrell and Mr. Tingler

**MOTION APPROVED**

**NEW BUSINESS**

**Executive Director Comments**

1. Health Insurance Renewal - Public Risk Insurance Agency (Robin Riley)
2. Budget/Trim Meetings  
Randal A. Roberts, Executive Director stated the first TRIM Hearing will be at 5:30 p.m. on September 15, 2016 prior to the next Regular Authority Meeting and the final TRIM Hearing is proposed for September 22, 2016 at 5:30 p.m.
3. The Executive Director has a draft of the 2016/2017 Budget for discussion.  
Randal A. Roberts, Executive Director went over the proposed 2016/2017 Budget there were no comments from the Board.
4. District Engineer  
Randal A. Roberts, Executive Director stated that Nick Charnas will be leaving CDM Smith and thanked Mr. Charnas for his eight years of service to the District. Dan Strobridge, CDM Smith recommended that Karen Lowe, PE. to be designated as the new District Engineer. Mr. Farrell made a motion to approve Karen Lowe P.E. as the District Engineer as designated by CDM Smith. Second was made by Mr. Taylor.

No discussion. Roll Call:

Voting Aye: Mr. Taylor, Mr. Farrell and Mr. Tingler

**MOTION APPROVED**



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**MISCELLANEOUS**

A. Annual & Bi-Monthly Rainfall/Maintenance Report is in your packets.

The next Regular Authority Meeting/ First TRIM Hearing #6 is scheduled for Thursday, September 15, 2016 at 5:30 p.m. and the Final TRIM Hearing will be held on Thursday, September 22, 2016 at 5:30 p.m.

There was no further business to come before the Board and Mr. Farrell moved we adjourn Pinellas Park Water Management District Board Meeting # 5. Second was made by Mr. Tingler. Meeting was adjourned at 6:44 P.M.

THIS DOCUMENT IS CERTIFIED AS  
APPROVED ON \_\_\_\_\_

ATTEST: \_\_\_\_\_

DATE: \_\_\_\_\_

Signed: \_\_\_\_\_

Chairman

\_\_\_\_\_  
Vice Chairman

\_\_\_\_\_  
Treasurer