

BRANNAN-ANDRUS LEVEE MAINTENANCE DISTRICT

Minutes of Thursday, January 8, 2015

The stated meeting of the Brannan-Andrus Levee Maintenance District's Board of Directors was called to order by President, Larry Gardiner, at 10:00 a.m. on the above cited date at the District Office, 310 Second Street, Isleton, California.

1. Roll Call indicated a quorum with the following in attendance:

- Directors: Joe Deak, Larry Gardiner, Gay Giles, Frank Silva Jr. and Denis Van De Maele
- Staff: Andy Giannini, Superintendent; Debbie Phulps, Secretary; Gilbert Labrie, Engineer; Victoria Hale, Treasurer
- Guests: Kirk West

2. Agenda Setting. MSC (Silva / Deak) MSC adopting the meeting Agenda [MSC = Motion-Second-Carried unanimously unless otherwise noted].

3. Invitation to Guests to address the Board. None responded.

4. Financial. Copies of the Balance Sheet, Unpaid Bills Detail, and Open Invoice reports were distributed and reviewed.

4.1 Balance Sheet Summary as of meeting date:

Total Checking / Savings	\$ 1,367,497.90
Total Accounts Receivable	\$ 639,739.38
Total Other Current Assets	\$ 6,641.50
Total Fixed Assets	\$ 649,320.46
Total Assets	\$ <u>2,663,199.24</u>
Total Current Liabilities	\$ 843,905.04
Equity	\$ <u>1,819,294.20</u>
Total Liabilities and Equity	\$ <u>2,663,199.24</u>

4.2 The following claims were submitted for payment approval. Invoices were available and those presented by DCC Engineering and Delta Bookkeeping were reviewed.

Applied Water Resources	7,452.00	Oilwell Materials	21.08
Arborwell	25,481.25	Payroll - PERS	4,260.32
AT&T Wireless	242.59	Payroll - Liabilities	2,297.54
California Office of Emer. Srv.	25,000.00	Quickbooks Payroll	3.20
Deak, Joe	100.59	Ramos Oil	1,716.36
Delta Bookkeeping	1,633.13	Reclamation 2067	360.00
Frontier Communications	147.70	Rio Vista Ford	2,677.58
Gardiner, Larry	219.18	River Rats	75.00
Giannini, Andy	2,272.28	Silva, Frank	100.59
Gilbert Labrie, AIA	28,742.70	Stewart Industrial	171.46
Giles, Gay	100.59	Van De Maele, H. Denis	100.59
Gornto Ditching	26,450.00	VISA	553.33
John Deere	289.34	Total Claims	\$ <u>132,702.28</u>
Klipfel, Russel	2,233.88		

MSC (Van De Maele / Silva) authorizing issuance of two (2) \$50,000 warrants and one (1) \$25,000 warrant, and payment of the presented claims.

5. Business

5.1 Encroachments.

- A. Happy Harbor Waterline Replacement. Request for authorization to remove and replace an existing main waterline servicing the land-side resort spaces, and paralleling the levee toe at this location. The supply line, which is old, deteriorated, and clogged, is located approximately 50 feet away from the toe of the levee (120 feet from the centerline of the crown) and runs along the

landward edge of the resort's internal access drive. Construction, which has already commenced, will be accomplished in segments with approximately 350 lineal feet of line being replaced. An 18 to 24-inch deep trench is the extent of the excavation required, and the new line being installed is PVC. Because of the seriousness of the problem for the resort occupants, the negative impact potential to the levee structure, and consequence of any delay in the applicant's repair schedule, a verbal authorization was given by this office to continue with the work already started. It is recommended that a letter of permission be issued to Mr Hite, the owner/applicant, for the waterline repair work.

- B. Mokelumne Bridge Repair. Discussion ensued regarding the proposed repairs to the Mokelumne River / Highway 12 Bridge. The District Engineer has been engaged with Caltrans as to the timing of the work and potential risk implications posed to the District's flood preparedness planning as a result of the prolonged closure to boating traffic, which would include rock barges. Additional meetings are scheduled in an attempt to discuss and mitigate the concerns of the districts and commercial interests.

5.2 Equipment. Discussion ensued regarding truck repairs and whether that piece of equipment (1998) is at the end of its service life. Andy and Fran were delegated with the task of researching and making a recommendation regarding potential replacement.

6. Staff Reports

6.1 Secretary - Debbie Phulps. MSC (Giles / Van De Maele) approving the December 11, 2014 minutes. A response was received from Counsel to the District's request for staff assignment. Scott will continue to field District inquiries; but will begin the process of mentoring staff to eventually become the District's first-line contact. The Subventions Program 2014-15 Work Agreements were presented for execution.

6.2 Engineer - Gil Labrie. The District Engineer (DE) presented his written report. Discussion points in the course thereof are noted by the use of inset paragraphs.

1. Levee Subventions Program Issues Overview — For the last few months the main focus of DWR Subventions Program efforts that could significantly affect administration of the Levee Program is the development of a *Delta Levees Investment Strategy* (DLIS) methodology. As previously reported, this effort is being undertaken by outside consultants reporting to the Delta Stewardship Council (DSC). With the disruption of many government efforts by the recent holiday period, it is not surprising that LMA engineers and other representatives have not heard from the DSC or its outside consultants with any type of update. However, the Investment Strategy effort is referenced in recent documents relating to levees that are emanating from DWR, the DSC and the DPC. BALMD Board members should continue to take note of the fact that the purpose for this report drafting effort is to objectify the decision making process of allocating fiscal resources for flood protection vs ecosystem restoration vs water system reliability. The 2009 Delta Reform Act, directs the DSC to develop funding priorities "that achieve an optimal reduction of risk and further the coequal goals of water supply reliability and restoring the Delta ecosystem".

The methodology being developed is intended to be a computer-based budgeting decision support tool. Such a tool will be used to propose a prioritized list of "investments", for State funding consideration. These investment priorities will replace the interim Delta Plan policies and implementing regulation that currently guide DWR and State budgeting allocations of Water Bond monies.

This is supposed to be a transparent process but it is on the fast track and the consultants are therefore forced to rely on the data and results of previous out-dated Delta levee study efforts, primarily the DRMS Report, the DPC Economic Sustainability Report and the LMA's 5-Year Plans. Only one of those documents, the DPC study, represents a more reliable barometer of benefits and costs associated with Delta Levee maintenance and rehabilitation. The other two are outdated and the DRMS report is also fatally flawed, according to local engineers whose input was ignored.

To date Gilbert Cosio (MBK), Chris Neudeck (KSN) and myself have participated in only two discussion sessions with DPC representatives and the consultant team working to develop an investment strategy and compile the report. In the second session it was stressed by Cosio, Neudeck and myself that the Delta islands have to be viewed as part of a system and not individually and that all levees have to be brought up to and maintained to the PL 84-99 or Bulletin 192-82 standards first, before some are taken to a higher level of protection.

As previously reported, another principal item of focus by DWR involving the Delta Levees Subventions Program was the PSP (Project Solicitation Proposal) package for Delta Levees Special Flood Control (Multi-benefit) Projects. DWR issued this PSP on June 13, 2014, with a total of \$75 million potentially available for projects ultimately selected through a two-phase selection process.

BALMD's planned erosion repair/habitat enhancement project involving the Sacramento River levee between Cache Slough and Isleton was one of the 5 concept Proposal projects selected, with the invitation to submit a Full Application for funding consideration by September 16, 2014. Only four out of the five LMA's on the short list chose to continue in the selection process. Subsequently, this prepared and assembled a more detailed Full Application package, responding to the more detailed requirements of the Program Guidelines and successfully met the deadline established by DWR. Thereafter, DWR requested some additional information and formatting changes with a deadline for the follow up submittal of October 13, 2014. It is our understanding that the District will be contacted by DWR some time this month and advised of the next steps in the PSP process.

- B. Periodic Inspection Report — Notification was just received that BALMD will be on the agenda of a National Levee Rollup meeting tentatively scheduled for January 28 in Oklahoma. The Rollup meeting is the next level up in the USACE Levee Screening process that began in 2014. The Levee Screening program is a risk-based assessment using previously collected data and on-site survey. Because of a moving schedule conflict this office was unable to attend a pre-screening that was scheduled for September 3 with CVFPB staff and LMA representatives regarding BALMD findings. A National Rollup meeting that was held in Sacramento on November 14, 2014 had the BALMD assessment report on the agenda and the District was notified in advance to attend. However, upon arrival and check in the USACE staff advised that there was not enough time scheduled to go over the BALMD report. The Rollup session is not the final screening, which will be a few months later. According to USACE staff the assessment result will have no bearing on PL 84-99 status.
- C. 2013-14 Subventions Projects — As previously reported, the main construction project that was budgeted for this fiscal year is a seepage management and French drain project for Georgiana Slough, designated the Gardiner/Still project. That project was submitted to the Central Flood Protection Board for an Encroachment Permit to comply with the more stringent requirement for CVFPB oversight of levee work on Project Levees. Because of USACE oversight and sign off for that permitting process the Flood Board is insisting on more detailed engineering back up and is in no hurry to move any requests through the process. It is hoped that a permit can be obtained in time to go to construction in the spring.

In terms of current long range planning efforts this office is gathering updated survey data for the levee crown along the reach between Pirates Lair Resort and Happy Harbor in anticipation of a future crown maintenance and improvement project. That area has seen some settlement and shifting since it was last rehabilitated.

As part of the District's Fall 2014 construction efforts, a contract was negotiated with Arborwell to undertake the focused tree trimming effort on the Sacramento River levee to eliminate some critical, unacceptable vegetation maintenance deficiencies at two main locations. Most of that work was undertaken in late November 2014 but some pickup was also done on a fourth day in December. This office monitored the effort continually to ensure that Flood Board standards were achieved and did make the arrangements with the California Highway Patrol to assist with traffic control. There is a small section of land side vegetation along Highway 160, south of the Highway 12 intersection that Arborwell was unable to pick up in December, as time ran out. A subsequent decision was made by this office to address that situation next fall.

- D. Delta Bay Monitoring — This office is increasingly becoming more concerned about lateral movement that is being measured in the levee at the Delta Bay Resort. As previously reported, this office has been conducting periodic monitoring surveys of a particular section of the San Joaquin River levee at this location because of the localized settlement that had been occurring there over the years, necessitating periodic rehabilitation. Last year a bathymetric survey adjacent to the this levee section revealed some slope failure at the water side toe, prompting a District declared emergency project, to bolster the levee with rip-rap before the flood season officially begins. Afterward the levee crown was re-graded and re-paved. Unfortunately, that effort has not completely arrested the instability that continues to show up in the readings taken from the

inclinometer that was installed at this location in 2013. Periodic surveys of the monitoring points established on the levee surfaces continue to indicate that localized movement is still occurring, with both lateral and vertical shifting. Additionally, lateral movement is still being detected about 22 feet below the crown by the inclinometer that was installed and is being read by Raney Geotechnical. The most recent reading of the monitoring device indicates movement at the minus-22 foot level of almost 1/2 inch. This compares to 1 1/2 inches of movement in the preceding 12 months before the rip-rap placement. In December 2014 this office reported on some recent and significant localized areas of vertical settlement as well as emergent cracking in the newly surfaced roadway on the eastbound travel lane, which is closest to the waterway.

At previous BALMD Board meetings there has been some discussion about the history of the site in relation to the 1972 flood event and suggested solutions to consider. One suggestion was the installation of sheet piling along this levee reach to cut off any excess under seepage that may be contributing to the instability. This option was discussed with John Raney, who expressed concern about the effects of the sheet pile installation process on levee stability. Another mitigation option that was discussed and continues to be studied and refined by this office is the installation of a drainage system to lower the phreatic water level in the levee and thereby strengthen the levee structure. This would require obtaining an easement through the RV Park in order to install a drain line to the RD 317 drainage ditch to the north of the park. This office has discussed the latest signs of levee movement with John Raney, which resulted in the most recent inclinometer reading discussed above. A field survey effort was recently initiated to obtain more detailed on-site elevation information to enable the development of a design for a drainage management solution to consider. There is the issue of the trees in the resort that are adjacent to the levee toe and potential French drain route that could ultimately damage the functionality of a drainage system with intrusive root migration. The installation of a vinyl sheet pile cutoff wall has been considered to inhibit such an occurrence while serving as a cut off wall to force the seepage into the drain. There has also been some discussion in this office about extending a drainage blanket up the levee slope some distance to further insure that both under and any through seepage is captured and diverted into a French drain. These recent engineering design ideas have not been evaluated by Raney Geotechnical and need to be. Still open for consideration is the notion of whether and when DWR needs to be brought into the discussion. It is important to this office that control of any project remains at the local level and does not get mired down by Flood Board wrangling and delay and become more costly than necessary.

6.3 Superintendent - Andy Giannini. Discussion ensued regarding the uprooted trees on the levee slope adjacent to the Van De Maele ranch and response to and disposal of same. Mowing efforts continue, and District staff has been on high water watch. Andy is conducting more fumigant applications towards pest control management. The sheep will be routed near tax time. Additional District keys were made and distributed.

6.4 Counsel - Scott Shapiro. No report.

7. Director Reports — No reports.

8. Announcements / Recess and Change of Venue. Those present were invited to join the Board for lunch at Pineapple's in Isleton following the recess. President Gardiner called a 15 minute recess at 11:45 a.m. for relocation.

9. Call to Order. The meeting was reconvened by President Gardiner with the following in attendance: Gay Giles, Denis Van De Maele, Andy Giannini, Gil Labrie, and Debbie Phulps.

10. Adjournment. With no further business to come before the Board, the meeting was adjourned at 1:10 p.m.

Respectfully submitted,

Debbie Phulps, District Secretary
DCC Engineering Co., Inc.

Date Approved: February 12, 2015
MSC: Deak / Van De Maele