

MEMORANDUM

February 12, 2020

TO: Reclamation District No. 2025

FROM: Nathan Hershey

SUBJECT: February 2020 Engineer's Report

Described below are the engineering items to be discussed at your February 12, 2020 meeting.

Subventions 2018-19 – The District submitted an application for participation in the Program in the amount of \$645,000. \$12 million has been approved for Program funding for FY 2018-19, consistent with recent previous years. The District's final claim was been submitted in the amount of \$130,988.84. DWR and CDFW have performed their annual inspection and the claim is currently being processed.

Subventions 2019-20 – The District submitted an application for participation in the Program in the amount of \$845,000. DWR has lowered the Program funding amount to \$10 million for FY 2019-20.

Subventions 2020-21 – Applications for participation in the Program are due April 1. We will be working on a draft of the application and will submit the final package prior to the deadline.

Annual Maintenance – Attached are the current maintenance items we are tracking. We have reviewed the status of the stationing paddles on the island. Only one paddle is missing, and it is in a highly travelled area. Our recommendation is to defer replacement of the paddle for the time being.

Five Year Plan – Work on the Five-Year Plan is currently in progress. The proposed project phasing exhibit is attached, with a general goal of armoring the east levee with riprap and building all new projects to the State's Bulletin 192-82 levee standard. Areas recently rehabilitated would be raised to the 192-82 standard if needed after proposed rehabilitation projects are complete. The Plan must be completed by the end of 2020.

DWR Emergency Response Grant Update – We are still waiting to see the final version of the Local Flood Safety Plan.

SB 88 – Work under Phase 2 of the measurement experiment (work plan for 2019 through Feb 2020) is wrapping up. All of the data collected through the summer irrigation season has been reviewed and analyzed. Review of data collected this fall and winter has begun. MBK has prepare a draft Report to update last year's experiment summary report. A draft of the Report will be provided to MWD as soon as possible, with the intent to finalize by the end of February.

On behalf of MWD and the RDs, MBK submitted a Request for Additional Time (Request) to the Delta Watermaster on January 3, 2020. On February 6, 2020, MBK received approval for the Request from John Collins of the Delta Watermaster's office. The approval states that the newly approved Request will expire on January 1, 2021, and that if additional time is required, another Request should be submitted no later than December 1, 2020.

MBK has drafted a workplan for 2020 efforts, as outlined in the Request. The workplan primarily involves installing 8 additional flange magnetic meters on the water side of the highest use siphons, with at least one flow meter on each island. A preliminary list of sites to install flange magnetic meters has been identified. These sites will include telemetry equipment, with the intent to post data to the Reclamation District websites for each island. Approximate costs for equipment and installation for these sites has also been obtained. The workplan also includes the removal of equipment that does not show promise in meeting the accuracy requirements.

During a site visit to Bouldin Island on December 13, 2019 the vandalized test sites (Bouldin Island Siphon Nos. 39 and 40) were investigated. We found that the solar panels, dataloggers, and power supplies were stolen, but the flow sensors were not damaged and remain in place. Future site visits to all of the islands are currently on hold until diversions increase and/or activities related to the next phase of the Measurement Experiment begin.

Reclamation District No. 2025 Holland Tract
Issue Tracking Summary
2/7/2020

IssueID	Priority	Report Date	Reporter	Location	Issue Type	Description	Action	Field Notes
2	Medium	9/13/2016	Russ Ryan	Station 185	Crack	Crack in splash cap near leak	Monitor	Monitor; See photos
7	Medium	10/31/2016	Contra Costa County	Station 519-550	Crack	Pavement cracking on levee crown roadway; sloughing on landside hinge	Repair	NH and DF to schedule site visit and develop plan; Proposal received from Hultgren-Tillis; field work complete; geotechnical report finalized and issued
22	Low	2/10/2017	Nate Hershey	Station 545+80	Boil	Boil in landside slope	Monitor	Directed Asta to build a containment berm; Berm constructed; continue to monitor. 2/13/17 No flow coming through levee, relatively dry
25	Medium	2/13/2017	Nate Hershey	Station 105	Erosion	Erosion site	Repair	Repair; Monitor and repair when feasible
28	Low	2/18/2017	Russ Ryan	Station 315+75	Rodent Activity	Rodent Activity	Repair	Repair; Monitor and repair when feasible
60	Medium	1/18/2018	Brian Janowiak	Station 414-417	Other	Rodent activity	Monitor	Minor squirrel activity, mostly on upper LS slope. One larger void in levee crest (Sta 417) may need to be excavated.



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RECLAMATION DISTRICT NO. 2025 HOLLAND TRACT

PROJECT PHASING EXHIBIT

SCALE:	1" = 3000'
JOB NUMBER:	4275-18
DRAWN BY:	JB
DATE:	10/10/2019
SHEET:	6 OF 6