

MEMORANDUM

January 15, 2020

TO: Reclamation District No. 2025

FROM: Nathan Hershey

SUBJECT: January 2020 Engineer's Report

Described below are the engineering items to be discussed at your January 15, 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.

Annual Maintenance – Attached are the current maintenance items we are tracking.

Five Year Plan – We have received a fully executed funding agreement for the Five-Year Plan (FYP). We have started work on the Plan update and have received an advance of funds in the amount of \$26,250.00.

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. MBK is currently preparing a report to update the experiment summary report (final dated March 2019). A draft will be provided to MWD this month, with the intent to finalize it 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. We have not yet received formal approval of the Request, but have direction to consider the extension continued during the period of review of the Request. MBK is in the process of drafting a workplan for 2020 efforts, as they are outlined in the Request. This will primarily involve installing 8 additional flange magnetic meters on the water side of the highest use siphons, with at least one meter on each island. These sites will also include telemetry equipment, with the intent to post data on the Bay Delta Live website.

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 the islands are currently on hold until diversions increase and/or activities related to the next phase of the Measurement Experiment start.

Reclamation District No. 2025 Holland Tract

Issue Tracking Summary

1/10/2020

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.