

MEMORANDUM

May 6, 2020

TO: Reclamation District No. 2025

FROM: Nathan Hershey

SUBJECT: May 2020 Engineer's Report

Described below are the engineering items to be discussed at your May 6, 2020 meeting.

Subventions 2018-19 – The District submitted an application for participation in the Program in the amount of \$645,000. The District's final claim was submitted in the amount of \$130,988.84 and reimbursement has been received in the amount of \$89,992.

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 were due April 1. The District submitted an application in the amount of \$845,000. We have received notice from DWR that \$12,000,000 is being committed to the Program for FY 2020-21.

Annual Maintenance – Attached are the current maintenance items we are tracking. We recommend reviewing the waterside slope conditions via drone and performing any routine maintenance required prior to the flood season.

Five Year Plan – Work on the Five-Year Plan is currently in progress. We will be distributing a draft for review and comment in the coming months. The Plan must be complete 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 February 2020) has been completed. All the data collected during this period has been reviewed and analyzed. MBK has prepared a draft report to update last year's experiment summary report. This draft was provided to MWD for final review and will be finalized as soon as comments are received. Work under Phase 3 of the measurement experiment (February 2020 through February 2021) is underway, as outlined in the approved Request for Additional Time.

Phase 3 efforts primarily involve installing 8 additional flange magnetic meters on the water side of the highest use siphons, with at least one flow meter on each island. MBK conducted site visits to each of the proposed sites during April to check installation locations and pipe conditions. All proposed sites will include telemetry equipment, with the intent to post data to the Reclamation District websites for each island. MBK has obtained quotes for equipment and installation costs, which will be provided to MWD for review soon.

The Delta Measurement Experiment Consortium has not yet scheduled its next meeting and MBK has not received any updates on the status of the Open ET beta testing.

Reclamation District No. 2025 Holland Tract
Issue Tracking Summary
5/1/2020

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.