

MEMORANDUM

July 8, 2020

TO: Reclamation District No. 2028

FROM: Nathan Hershey

SUBJECT: July 2020 Engineer's Report

Described below are the engineering items to be discussed at your July 8, 2020 meeting.

Subventions 2018-19 – The District submitted an application for participation in the Program in the amount of \$500,000. \$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 \$276,982.97. Reimbursement has been received in the amount of \$196,285.

Subventions 2019-20 – The District submitted an application for participation in the Program in the amount of \$615,000. DWR has lowered the Program funding amount to \$10 million for FY 2019-20.

Subventions 2020-21 – The District submitted an application for participation in the Program in the amount of \$615,000. \$12 million has been approved for Program funding for FY 2020-21.

Annual Maintenance – Attached are the current maintenance items we are tracking. The levees are scheduled to be mowed this month in designated areas.

Special Projects – The enhancement component of the Old River multi-benefit levee rehabilitation project is in-progress. Maintenance activities will be on-going to promote plant health and longevity.

We received a fully executed funding agreement for the design portion of the Directed Action project to rehabilitate the north and south levees. We have requested an advance of funds from DWR. Work is mostly on hold until we receive the advance of funds.

Five Year Plan – Work on the Five-Year Plan is currently in progress. We will be distributing a draft for review and comment this week. The Plan must be completed by the end of 2020.

SB 88 – MBK prepared a Report to update last year's experiment summary report, which has been finalized to include MWD's comments. Work under Phase 3 of the measurement experiment (Feb 2020 through Feb 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. MWD has recently obtained funding approvals for Phase 3 and is currently reviewing quotes for the new equipment. After the invoices are submitted, there is a 6-week lead time for new equipment to be delivered. MBK is compiling installation information from various contractors to prepare for receipt of the new equipment. Irrigation on Bacon and Bouldin Islands has begun, and MBK has scheduled field visits in July to both islands to check existing meters and conduct portable meter tests on running siphons.

The Delta Measurement Experiment Consortium has scheduled its next meeting for July 15, 2020. The meeting will include a presentation by the Delta Water Master's office for a proposed work plan for the Consortium's development of a Delta-wide Alternative Compliance Plan. MBK has not received any updates on the status of the Open ET beta testing.

Reclamation District No. 2028 Bacon Island

Issue Tracking Summary

7/1/2020

IssueID	Priority	Report Date	Reporter	Location	Issue Type	Description	Action	Field Notes
6	Medium	10/21/2016	Ralph Heringer	Station 275 @ Pump Station	Broken Equipment	Trash racks in need of maintenance/repair	Investigate	TBD
8	Low	11/2/2016	Dave Forkel	Station 668-702	Encroachment	Eucalyptus trees present a hazard	Investigate	Review, explore removal
36	Low	2/24/2017	Nate Hershey	Station 712	Seepage	Seepage exiting at toe of slope near retaining wall structure.	Monitor	12/4/17 - Area dried up after winter; continue to monitor
43	Medium	4/4/2017	Brian Janowiak	Station 92-93	Seepage	Seepage existing at toe of slope, running across county road		
48	Low	6/14/2017	Dave Forkel	Station 190+00	Vegetation control	CDFW mitigation site shows evidence of arundo mowing.	Investigate	Discuss mitigation requirements.
73	Medium	10/21/2016	Ralph Heringer	Station 465 @ Pump Station	Broken Equipment	Trash racks in need of maintenance/repair	Investigate	TBD
84	Medium	4/4/2019	RussRyan	95+00	Boil	Lower tide now and I think the roadway pothole (boil ??) needs repair at some point. I know it's a county road. We'll have to figure since once the (what I'm assuming) is a leak of repaired then the road will need to also be repaired.	Repair	
92	High	9/19/2019	AndyReece	Sta 688+00 - 689+00	Crack	deep cracks at LS hinge and LS slope	Investigate	5 ft plus feet deep approx 3 inches wide along LS hinge and landside slope. In summer 2019, cracking area was excavated and re-compacted, AB was placed on the crown. On the waterside of the cracking site a beaver den was collapsed and back filled with AB in summer 2019.

Reclamation District No. 2028 Bacon Island**Issue Tracking Summary**

7/1/2020

IssueID	Priority	Report Date	Reporter	Location	Issue Type	Description	Action	Field Notes
92.1	High	6/29/2020	Michael Nishimura	Sta 688+00 - 689+00	Crack	The cracking site, repaired by Dino and Sons in Summer 2019, has reopened and is approximately 100 feet in length. The number of cracks and the depth of cracks are unknown at this time.	Repair	
95	Medium	12/12/2019	AndyReece	siphon north of Mel's	RodentActivity	possible beaver den under tree south of siphon	Investigate	