



Santa Clara Valley Water District

File No.: 20-0142

Agenda Date: 3/10/2020

Item No.: 6.1.

BOARD AGENDA MEMORANDUM

SUBJECT:

Capital Improvement Program Fiscal Year 2020 Progress Report for Watersheds Capital Projects.

RECOMMENDATION:

Receive information from staff on the Fiscal Year (FY) 2020 Capital Improvement Program (CIP) progress reports for key Watersheds capital projects.

SUMMARY:

The FY 2020-2024 CIP includes a total of 67 capital projects and of these, 29 are Watersheds capital projects. The 29 Watersheds capital projects have an estimated value of \$1.5 billion with a Board-approved FY 2020 budget for all capital projects of \$180.0 million. As of February 10, 2020, Watersheds capital projects has spent approximately \$62.7 million, or 35%, of the FY 2020 budget.

Table 1 presents FY 2020's second quarter status of 18 key Watersheds capital projects. Seven projects are in the planning phase, ten are in design, and four are in construction. Of the ten projects in design, three are scheduled for construction to begin this summer: Bolsa Fish Passage Improvement, Lower Calera Creek Flood Protection, and Lower Penitencia Creek Flood Protection. Of the four projects in construction, flood protection improvements were completed for McKelvey Flood Detention Facility (part of the Permanente Creek Flood Protection Project), Upper Berryessa Creek Flood Protection Project (a joint project with USACE), and Cunningham Flood Detention Certification. Under the Watersheds Asset Rehabilitation Program, the following projects were completed: Uvas Creek Levee Animal Damage Rehabilitation from Miller Avenue to Gilroy Sports Park (outboard levee), Uvas Creek Levee Animal Damage Rehabilitation from Miller Avenue to Gilroy Sports Park (inboard levee), San Tomas Creek Erosion Repair from Virginia Avenue to Payne Avenue, and Barron Creek Erosion Repair.

The U.S. Army Corps of Engineer (USACE) continues to put a hold on the design and construction of the Upper Guadalupe River Flood Protection Project, since the project is non-compliant with administration policy. In FY 2020, however, USACE received \$1.5M in federal work plan funding to re-evaluate the scope and estimated cost of the Upper Guadalupe River Project.

Table 1. FY20-Q2 Status of Key Watershed Capital Projects

N o.	Key Capital Projects	Project Milestone(s)	Status
1	Almaden Lake Improvements	1. Draft EIR - 5/2018 6/2019 12/2019 2. Final EIR & Board Certification - 8/2018 11/2019 7/2020 3. Submit Permit Applications - 12/2018 12/2019 7/2020 4. Complete 30% Design - 9/2018 12/2019 5. Complete 60% Design - 12/2018 11/2019 6/2020 6. Complete 90% Design - 3/2019 2/2020 9/2020 7. Complete Final Design - 5/2019 4/2020 12/2020	1. Completed 2. Adjusted 3. Adjusted 4. Completed 5. Adjusted 6. Adjusted 7. Adjusted
2	Stream Stewardship Feasibility Studies	1. Stevens Creek Fish Passage Evaluation Report - 12/2019 3/2020 2. Metcalf Pond Feasibility Report - 12/2020 3. Ogier Ponds Planning Study Report - 9/2022 6/2021	1. Adjusted 2. On Target 3. Adjusted
3	Bolsa Road Fish Passage Improvements	1. Obtain UPRR encroachment permit application approval on design plans and report - 3/2017 8/2018 1. CEQA initial study - 3/2017 7/2018 2. Obtain regulatory permits - 3/2017 3/2019 3. Begin construction - 6/2017 6/2019 6/2020	1. Adjusted 1. Completed 2. Completed 3. Adjusted
4	Mid Coyote Flood Protection Project, Montague Expy. to Tully Rd.	1. Alternative Analysis - 6/2019 2. Planning Study Report - 4/2020 3/2020 3. USACE Feasibility Study Report - 6/2021 4. Design - 12/2021 5. Begin construction - 1/2022	1. Completed 2. Adjusted 3. On Target 4. On Target 5. On Target
5	San Francisquito Creek	1. Construction for Bay to HWY 101 - 12/2018 2. Final Channel Improvement Design - 6/2017 4/2018 12/2018 6/2020 Middlefield 3. JPA Draft EIR for HWY 101 to Searsville Dam - 6/2017 9/2017 5/2018 3/2019 9/2019 4. USACE Tentatively Selected Plan - 6/2017 9/2017 5/2018 5. USACE Chief's Report - TBD 4. Submit Permit Application - 4/2020 5. Design of Creek Widening - 11/2020 6. Design of Pope Chaucer Bridge - 11/2020	1. Completed 2. Adjusted 3. Completed 4. Completed 5. TBD 4. On Target 5. On Target 6. On Target
6	Permanente Creek	1. Construction of Permanente Creek Channel Improvements - 12/2018 2. Construction of Rancho San Antonio Detention Basin - 12/2018 12/2019 12/2020 3. Construction of McKelvey Park Detention Basin - 5/2019 12/2019 2/2020	1. Completed 2. Adjusted 3. Completed
7	Lower Berryessa Creek, Abel Street to Calaveras Blvd - Phase 2	1. In-Channel Construction - 95% Complete 12/2019 2. Winterize Channel - Complete 12/2019 3. Advertise Berryessa Phase 2B (Lower Calera Creek) - 4/2017 4/2018 6/2019 5/2020 4. Award Berryessa Phase 2B (Lower Calera Creek) - 6/2017 6/2018 8/2019 8/2020	1. Completed 2. Completed 3. Adjusted 4. Adjusted
8	Berryessa Creek, Calaveras-I- 680 Milestones	1. Channel Construction Activities (USACE) - 12/2017 2. Coordinate with County on Replacement of Montague Expressway Bridge - 9/2018	1. Complete 2. Complete

9	Guadalupe River-Upper, Southern Pacific Railroad to Blossom Hill Road (R7-12)	1. Complete Design of Reach 7 (USACE) - 3/2017 12/2017 12/2018 12/2021 Pending federal funding 2. Begin Construction (USACE) - 6/2017 6/2018 6/2019 Pending federal funding 3. Acquire rights-of-way for Reach 7 - 12/2019 12/2021	1. Adjusted 2. Adjusted 3. Adjusted
10	Guadalupe River-Tasman Drive to I-880	1. Alternative Analysis - 3/2020 2. Planning Study Report - 6/2020 3. Design - 4/2022 4. Begin construction - 7/2022	1. On Target 2. On Target 3. On Target 4. On Target
11	Watersheds Asset Rehabilitation Program	1. Uvas Creek Levee Animal Damage Rehabilitation Project (outboard Levee), Miller to Gilroy Sports Park - 6/2019 2. Uvas Creek Levee Animal Damage Rehabilitation Project (inboard Levee), Miller to Gilroy Sports Park - 12/2019 3. San Tomas Creek (Virginia-Payne) Erosion Repair - 11/2019 4. Barron Creek Erosion Repair - 11/2019 9. Lower Penitencia Creek Erosion Repair - 11/2019 5. Calabazas Creek Rehabilitation - 11/2022 6. Piedmont Creek Erosion Repair - 11/2021	1. Completed 2. Completed 3. Completed 4. Completed 5. On Target 6. On Target
12	San Francisco Bay Shoreline EIA 11 & EIAs 1-10	1. EIA* 11 Provide Local Cost-Share to USACE - 10/2018 & 4/2019 12/2019 & 4/2020 2. EIA 11 Support Design & Construction Phase Effort - Ongoing 3. EIA 11 Acquire right of ways - 9/2021 4. EIAs 1-10 Provide Local Cost Share to USACE for feasibility - 10/2019 & 1/2020 5. EIA 4 & 5 Provide Local Cost Share to SBSPRP - Ongoing	1. On Target 2. On Target 3. On Target 4. On Target 5. On Target
13	Llagas Creek-Upper, Buena Vista Ave. to Llagas Rd.	1. Acquire Resource Agency Permits - 12/2016 2/2017 7/2017 7/2018 3/2019 2. Complete Acquisition of Rights-of-Way Phase 1 (Reach 4, 7A, and Lake Silveira) - 12/2016 6/2017 7/2017 7/2018 3/2019 3. Begin Phase 1 Construction - 6/2017 12/2017 12/2018 6/2019 9/2019 4. Complete Phase 2 Design Documents - 6/2017 12/2017 12/2018 7/2019 6/2020 5. Complete Phase 2B Design Documents - 12/2020	1. Completed 2. Completed 3. Completed 4. Adjusted 5. On Target
14	Sunnyvale East and West Channels	1. Submit Permit Applications - 9/2016 12/2016 2/2017 12/2018 6/2019 6/2017 2. Receive Permits - 4/2017 12/2017 12/2018 12/2019 12/2020	1. Completed 2. Adjusted
15	Cunningham Flood Detention Certification	1. Design & Construction Docs - 3/2018 2. Obtain Regulatory Permits and Advertise for Construction - 4/2018 3. Begin Construction - 6/2018 4. Complete Construction - 12/2019	1. Completed 2. Completed 3. Completed 4. Completed
16	Palo Alto Flood Basin Tide Gate Structure Replacement, Lower Peninsula	1. Draft CEQA MND - 12/2018 12/2019 5/2020 2. 60% Design - 11/2019 10/2020 3. Final Design - 5/2020 2/2021 4. Begin Construction - 9/2020 9/2021	1. Adjusted 2. Adjusted 3. Adjusted 4. Adjusted
17	Lower Penitencia Creek Improvements, Berryessa Creek to Coyote Creek	1. Receive Final Permits - 9/2018 4/2019 3/2020 2. Final Design - 9/2018 4/2019 3/2020 3. Advertise Project for Construction - 10/2018 6/2019 4/2020	1. Adjusted 2. Adjusted 3. Adjusted
18	Upper Penitencia Creek, Coyote Creek to Dorel Dr.	1. Planning Study Report - 6/2019 6/2020	1. Adjusted

FINANCIAL IMPACT:

The recommended action has no financial impact.

CEQA:

The recommended action does not constitute a project under California Environmental Quality Act (CEQA) because it does not have a potential for resulting in a direct or reasonably foreseeable indirect physical change in the environment.

ATTACHMENTS:

Attachment 1: PowerPoint

UNCLASSIFIED MANAGER:

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