

Staff Report

for the Engineering Committee Meeting of January 14, 2020

TO: Engineering Committee
FROM: Doug Roderick, P.E., Engineering Manager
DATE: January 7, 2020
SUBJECT: **Project Status Report**

ENGINEERING

RECOMMENDATION:

Review the Engineering Department Project Status Report with the Committee.

BACKGROUND:

This item is to provide information to the Board members regarding the progress, current status, and action to be taken on the projects in process in the Engineering Department.

BUDGETARY IMPACT:

No budget impact

DR

Attachment:

- Engineering Department Project Status Report

Engineering Department Project Status

<u>Prty</u>	<u>Proj Mgr</u>		<u>Facility Name</u>	<u>WO#</u>	<u>Description</u>	<u>Status</u>	<u>Comments</u>
01 - EXTENDED CEQA (\$200,000) 10151- 52913							
01	DOUGLAS RODERICK	2022	Banner Cascade Canal	6593-02	Banner Cascade Pipeline: Monitoring Canopy Cover and Tree Health Assessment	Post-Construction	Consultant (Stantec) working on the 2019 Canopy Cover/Tree Health Assessment.
02 - PIPELINE REPLACEMENT (\$1,100,000) 10151-52907							
01	ADRIAN SCHNEIDER	2019	CalTrans Hwy 174 Pipeline Relocation	2423	Relocation of 519.12 LF of 10" and 48.53 LF of 8" treated waterlines in the CalTrans right-of-way to accommodate CalTrans storm water work and roadway realignment on Hwy 174	Construction	Contract with C&D approved by APC on December 9, 2019. Work to be completed by April 30, 2020, per Caltrans encroachment permits.
02	ADRIAN SCHNEIDER	2019	Long Ravine Campground	2270	Replacement of existing 50-year old system with approximately 7460 LF of 1 1/2", 3" and 4" pipe. Also replacing failing concrete storage tank and filter system.	Construction	Pipeline Design 100%. Two poly storage tanks and all piping delivered in December 2019. Anticipating contracting with Diamond Well Drilling to install new filter system for iron and sediment removal.
03	DOUGLAS RODERICK	2020	Lidster Avenue & Country Club Terrace	2071	Replacement of deteriorated water mains and services in this area. 4,545 LF of 8" pipe.	Construction	Plans to Maintenance for construction in 2020. Design 100%.
04	TONIA TABUCCHI HERRERA	2020	Christian Life Way at Highway 49	6962	Replace approximately 1500 LF of pipeline with 8" pipeline. Existing pipeline is undersized; has reached its useful life, is difficult to access, existing ROW is inadequate, requires new route for accessibility	Design	Design 10%. Survey is complete.
03 - PRV REPLACEMENT (\$160,000) 10151-52908							
01	TONIA TABUCCHI HERRERA	2019	Cedar Ridge PRV Replacement	2366	Existing PRV station is badly deteriorated with valves in a vault. Replacement station will be above ground. Additional ROW is required	Design	Design 90%. Routing to all departments for final comment. Maintenance will do construction.
02	TONIA TABUCCHI HERRERA	2019	East Ridge PRV Replacement	2318	Existing PRV station is badly deteriorated with valves in a vault. Replacement station will be above ground. Additional ROW is required.	Design	Design 10%. Survey is complete.
05 - RAW WATER SYSTEM IMPROV (\$1,200,000) 10151-52910							
01	DOUGLAS RODERICK	2019	Doty North Canal (PC)	1031	Doty North canal which will encase approximately 450 feet of canal and replace siphon #1.	Design	IS/MND released for public review on January 8, 2020. Will apply for CDFW LSA permit now that CEQA document is out for public review. Anticipate having a public hearing at the February 12, 2020 Board meeting.
02	DOUGLAS HOBBS	2020	Santini Siphon 1	1098	Replacement of undersized Siphon with 4600 LF of 24" pipe.	Design	Evaluation for easement acquisition. Design concept in process. Looking at possible alignment routes. Design 10%
03	DOUGLAS RODERICK	2020	South Yuba Canal Repair & Upgrades Ph 1	2419	Repair/Replace segments of So. Yuba Canal	Planning	Proposals received November 8, 2019. Staff developing final scope. It is anticipated awarding consulting contract in January/February 2020.
06 - BACKBONE EXTENSION (\$1,000,000)10151-52911							
01	TONIA TABUCCHI HERRERA	2020	E. George to LWW Pipeline Project-Phase I	2255	Phase I will replace two existing PRVs and install approximately 8653 of 18" pipeline. Replacement PRVs will be above ground and will require ROW. Construction of the pipeline is within County ROW.	Design	Design 90%. Routing to all departments for final comments. Specification 80%. Taking to January 14, 2020 Engineering Committee to discuss overall project and implementation.
07 - NON-PROGRAMMATIC, BUDGET 10151-52915							
01	DOUGLAS RODERICK	2021	Combie I Replacement	6746	Combie Phase 1 Pipeline Bypass, 8900 LF of 96" pipe	Construction	Construction ongoing. Approximately 2,200 feet of 96" RCP has been installed. On schedule to have in service by March 30, 2020.

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07 - NON-PROGRAMMATIC, BUDGET 10151-52915							
02	DOUGLAS RODERICK	2021	Centennial Water Supply Project	7013	Centennial Water Supply Project	Planning	CEQA: Working on AB52 Consultation and Draft Alternatives Analysis. Ongoing consultations with UAIC, Colfax-Todd's Valley and Nevada City Rancheria. Received the Non-Disclosure Agreement (NDA) from Nevada City Rancheria. A meeting will be set in January to release the cultural resource report. Submitted quarterly update to SWRBC and uploaded to website. Property acquisitions on hold. Revenues exceeded expenses by \$28,703 as of December 2, 2019. Quarterly update will be presented at the next Engineering Committee in March, 2020
03	DOUGLAS HOBBS	2020	Alta Sierra Tank Replacement	6971	Replace existing Alta Sierra Hypalon-covered reservoir with storage tank	Design	The Board approved the design/build contract with Gateway Pacific/Bennett Engineering/DN Tanks at the December 11, 2019 Board meeting. Notice to Proceed to be sent in January 2020.
08 - COMMUNITY INVESTMENT (\$600,000) 10151-52912							
01	ADRIAN SCHNEIDER	2019	Iron Horse DFWLE	1019	Construction of 7,206 LF of 8" pipeline along Armstrong Rd., Iron Horse Drive & Brewer Road.	Construction	Main pipeline has been installed in its entirety. Remaining items include service boxes, hydrants, pressure testing and chlorination. Paving to be completed in Spring 2020.
02	ADRIAN SCHNEIDER	2020	Table Meadow Ph 2 DFWLE	2180	Assist, Design and Construction of 5,770 LF of 8" pipeline for existing neighborhoods approved by Engineering Committee.	Design	Property owners have until January 24, 2019 to finalize funding agreements. Design at 30% stage and being reviewed by departments.
10-1 - HYDRO NON-PROGRAMMATIC 50112-52915 (\$1,250,000)							
01	KEANE SOMMERS	2019	New Hydro Office Property Development	2084	New Hydro Office Property Development	Design	Award contract to WLC on December 11, 2019
10-2 - HYDRO POWERHOUSE IMPROV 50112-52920 (\$1,865,000)							
01	DARYL NOEL	2019	Combie Reservoir	6943	Combie South Access Road. Develop approx. 3,000 ft. from south abutment.	Planning	ROW working to acquire rights.
02	DARYL NOEL	2019	COMMS Upgrade	20150 2-1	COMMS Upgrade	Planning	Planning phase to identify alternative.
03	ADRIAN SCHNEIDER	2019	Chicago Park Fire Suppression System	2164	Upgrade of existing CO2 system (piping, alarms, sensors) to protect Generator. Includes installation of new Clean Agent suppression system for control room and the addition of a fire detection system for electrical cable trays.	Design	90% design plans reviewed by Engineering & Hydro; comments back to Sabah (Consultant) to be incorporated into a 100% design/build plans by end of February 2020. Installation to be started in February 2020 and will include both during plant operation, and scheduled plant outages. Schedule for installation being planned between Sabah and Hydro and will be finalized in January 2020.
04	DARYL NOEL	2019	Combie South Electrical Upgrades	2168	Combie South Electrical Upgrades	Design	Transformer purchased. Starting design.
05	DARYL NOEL	2019	CSPH - Replace Switchgear/ISO Meter	2210	CSPH - Replace Switchgear/ISO Meter	Construction	Electrical complete. Working on CAL ISO meter and bucket list. Anticipate completion by May 1, 2020.
06	DARYL NOEL	2019	Bowman Governor	2234	Replace and integrate with BoP PLC.	Design	Hydro contracted with Al d'Heurle (dHSI). Working on construction contract.
10-3 - HYDRO DAM & WATER IMPROV 50112-52921 (\$1,700,000)							
01	MIN CHEN	2020	Scotts Flat Spillway Repair	2094	Scotts Flat Spillway Repair & Upgrades	Planning	Spill crest stability evaluation being performed. Developing spillway alternative. Design 0%
02	MIN CHEN	2019	Combie Abutment Scour	20140 2	Dam stabilization, abutments protection against scouring, and water supply upgrade	Planning	Kick-off meeting scheduled for January 16, 2020.
13 - ENGINEERING O&M 10151-NA							
01	GREG JONES	2020	District Wide	1041	Raw Water Master Plan / EIR	Planning	Draft Demand and Supply Technical memos being completed.
02	TONIA TABUCCHI HERRERA	2019	LWW and N. Auburn Water Age Evaluation	2027	Model the water age in the LWW and N. Auburn Treated Water Systems.	Study	Final comments forwarded to consultant to incorporate in the draft study.

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13-1 - ADMIN CAPITAL 10114-52915							
01	TONIA TABUCCHI HERRERA	2020	Hemphill Diversion	7032	Hemphill Diversion Maintenance Activities to facilitate Fish Passage. Modification of the downstream area of existing Diversion facility with anticipation to improve fish passage.	Design	Consultants working on DEIR for the project. Anticipated release for public review summer of 2020.
17 - SEDIMENT REMOVAL PROJECTS (\$650,000) 10151-52914							
01	GREG JONES	2020	Steepollow Sediment Removal	6877	Removal of sediment at Steep Hollow and protection of hydro facilities	Hold	Need funds to get things moving for Channel / Monitoring. ROW has one easement remaining.
02	ADRIAN SCHNEIDER	2019	Loma Rica Reservoir	2090	Cleaning of the Loma Rica Reservoir to increase capacity.	Closeout	Project completed for the year. Approximately 14,400 cubic yards temporarily stockpiled next to reservoir and to be removed in 2020. Sediment removal from the reservoir is completed.
03	ADRIAN SCHNEIDER	2020	Greenhorn Sediment Removal	8515	Removal accumulated sediment from the Greenhorn Creek arm of Rollins Reservoir.	Planning	Obtaining permits to conduct soil tests in order to provide information for future contractor for soil disposal/sales options. Tests to be done by NV5 during dry conditions. Sediment removal request for quotes to be sent out in 2020.
04	ADRIAN SCHNEIDER	2020	Orr Creek Reservoir	6963	Cleaning of Orr Creek Reservoir to increase capacity	Design	Project direction and planning being reviewed by staff.
05	ADRIAN SCHNEIDER	2019	Newtown Reservoir	6958	Install permanent bypass pipe & remove accumulated sediment from the reservoir to regain capacity.	Post-Construction	Bypass pipe installed and complete. Sediment removal from reservoir in the future or possible abandonment of facility.
06	GREG JONES	2019	Combie Sediment Removal Project	2135	Removal of sediment at the east side of Combie Reservoir	Post-Construction	Sediment removal complete. Final disposal of material ongoing.
07	ADRIAN SCHNEIDER	2020	Dutch Flat Afterbay Sediment Removal	2213	Remove accumulated sediment from the afterbay to reduce outlet pipe clogging & operation.	Planning	Met with environmental consultant (Janelle Nolan & Associates) on December 12th and reviewed site and potential staging areas. Subsequent CEQA work to follow.
18 - RECREATION (30250-52915)							
01	DOUGLAS RODERICK	2020	Ditch Tender House Scotts Flat	2102	Remodel of Ditch Tender House at Scotts Flat Lake	Construction	Staff reviewing which items need to be finished. Final work to be completed in early 2020.