

RESCU Program describes eleven projects which constitute full replacement and rehabilitation of SVCW's conveyance system. RESCU includes the Gravity Pipeline, Front of Plant, Pump Stations, and Belmont Force Main projects. The Front of Plant includes six and Pump Stations includes four of the eleven projects. The Conveyance System Improvements Environmental Impact Report completed and adopted by the SVCW Commission in April 2017 covers work to be done under all the RESCU Program projects.

Available Budget

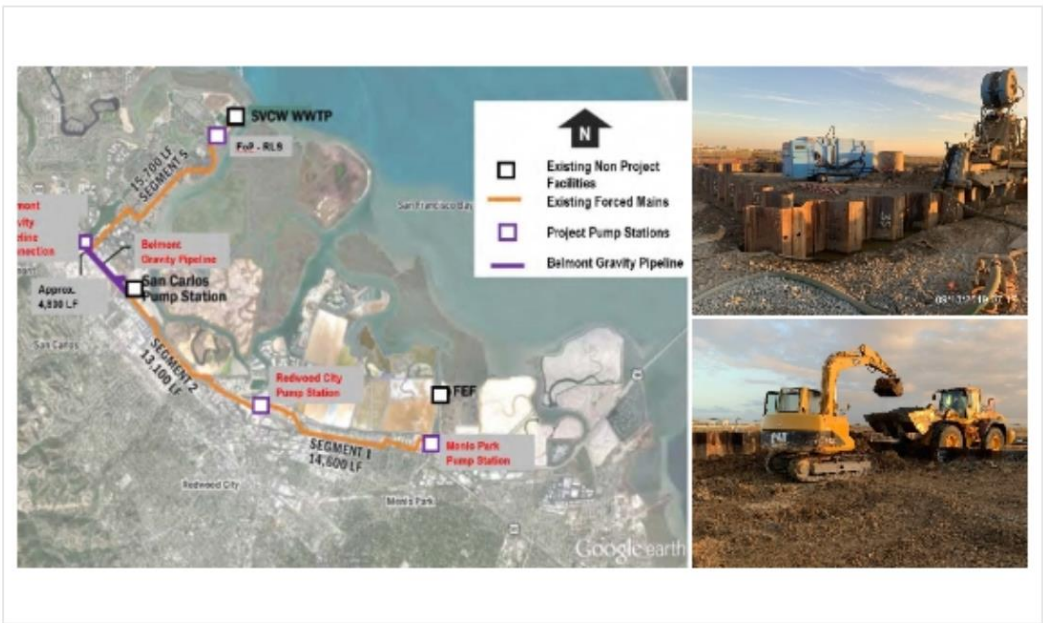
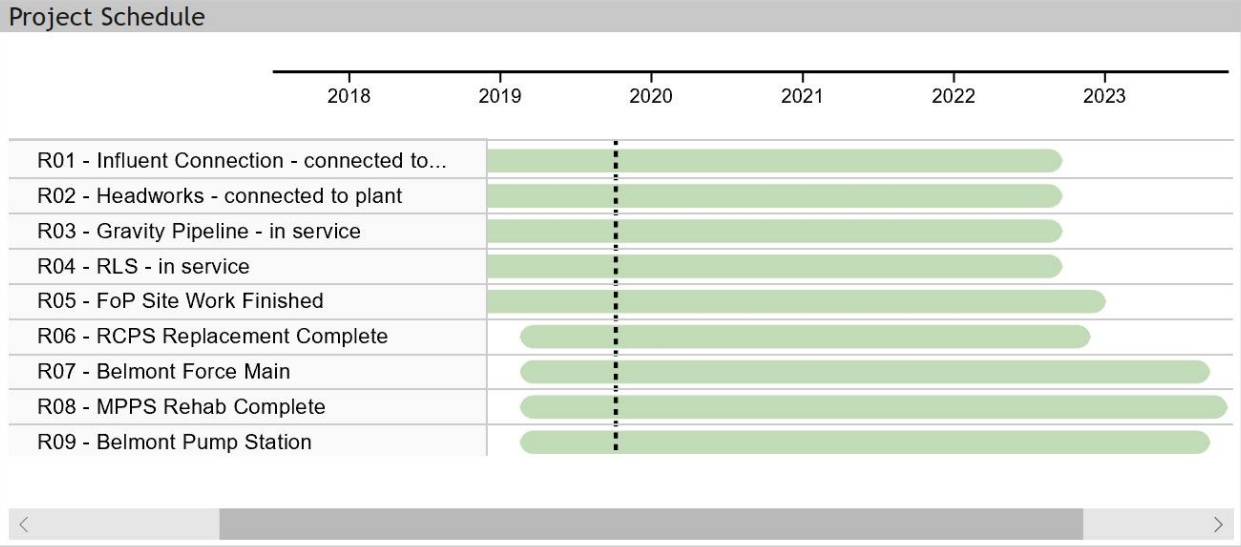
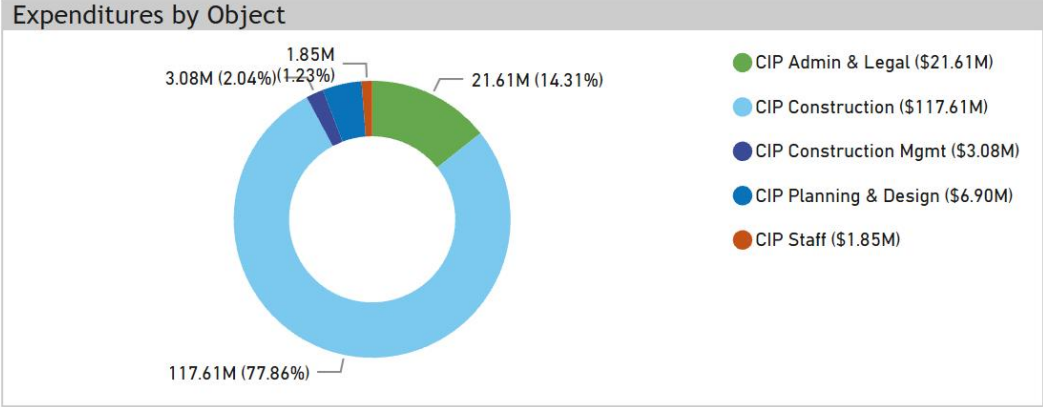
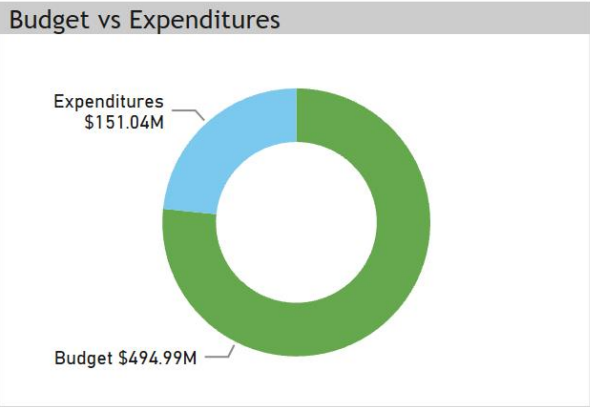
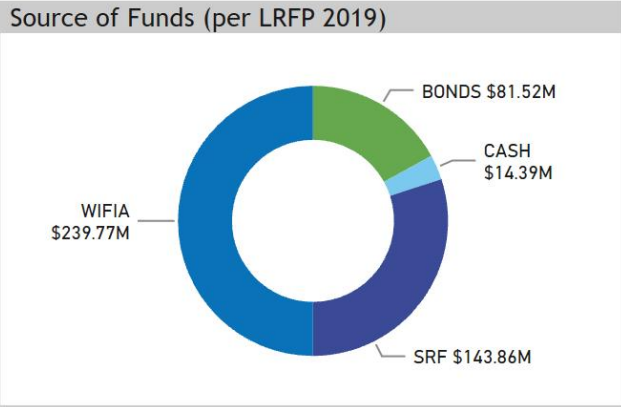
\$494.99M

Total Expenditure

\$151.04M

Remaining Budget

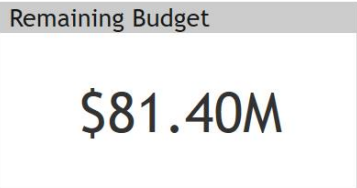
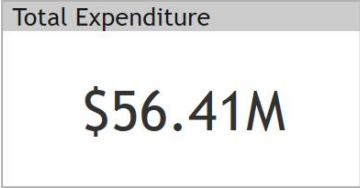
\$343.94M



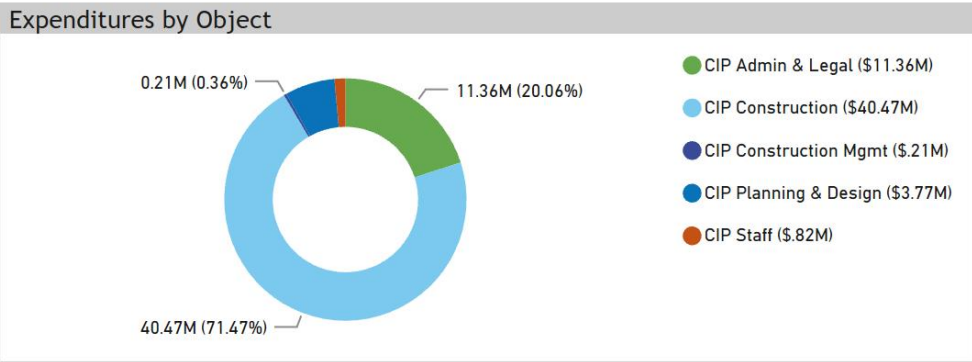
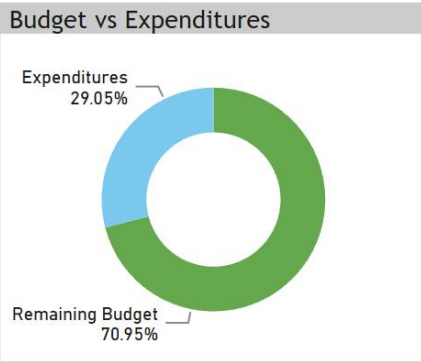
Front of Plant Progressive DB Project



The Front of Plant (FoP) Project consists of the design, construction, permitting, start-up, commissioning, and final acceptance for the Receiving Lift Station (RLS), Surge and Flow Splitter (SFS), Headworks Facility, Odor Control Facilities, Influent Connector Pipe, Storage and Chemical Offload Facilities, Civil site work, Emergency Overflow pipe to storage basin and related process support systems. Work is being implemented under a Progressive Design-Build procurement process in stages.



Milestone Schedule		
	Start	Finish
100 Percent (%) Design Documents	10/27/2019	11/1/2019
Stage 2C - RLS Shaft Construction	10/11/2018	2/25/2020
Headworks Completed/Early Start-Up	12/6/2018	10/24/2021
SFS/RLS Operational	12/6/2018	8/28/2022
Stage 2D - Balance of Stage 2 Work Final Completion	12/6/2018	10/20/2022



Construction KPIs

29.59%
% Complete

28.12%
% Expenditures

As of : 2019 - 10



Major Accomplishments this Period

▼	
Design	<ul style="list-style-type: none"> - SPJV reviewed and implemented comments from the 95% design package review and continued the development of the 100% design package. - Continued development of the odor control system and Grit removal/washer systems as they relate to the FoP control narratives
Procurement of Trade Packages	<ul style="list-style-type: none"> - SPJV provided submittals for the RLS pump, sump pumps, flood pump, and jib cranes for review. - SPJV is finalizing submittals of other major equipment (slide gates, screenings, elevator, VFDs, piping) with preferred manufacturers for submission - WIFIA and SRF requirements compliance for trade packages are in progress - SPJV executed contracts with multiple subcontractors for upcoming work
Construction	<ul style="list-style-type: none"> - Completed placement of the Headworks Facility concrete base slab and the first wall panel - Excavated 60-feet of the RLS

Potential Issues

Change order for odor control system.
Credit for the deletion of the chemical storage system.
New County/Local Sales Tax

3 - Month Look Ahead

	▼ Start	End	October	Novemb...	December
Installation of Elevation 115' Walls	October 3, 2019	December 13, 2019	X	X	X
RLS and SFS Concrete Base Slab Work	October 22, 2019	January 7, 2020	X	X	X
RLS and SFS Excavation Work	July 22, 2019	November 21, 2019	X	X	

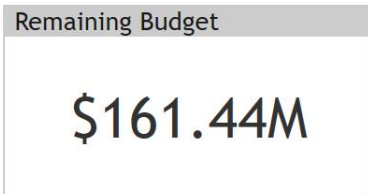
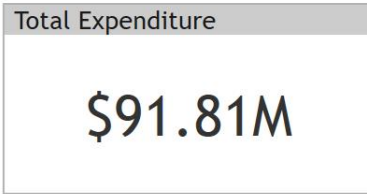
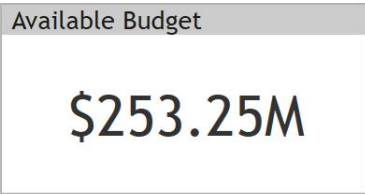
Safety Spot Light

Category	Value
Lost Time	0
Near Misses	0
Recorded Losses	0

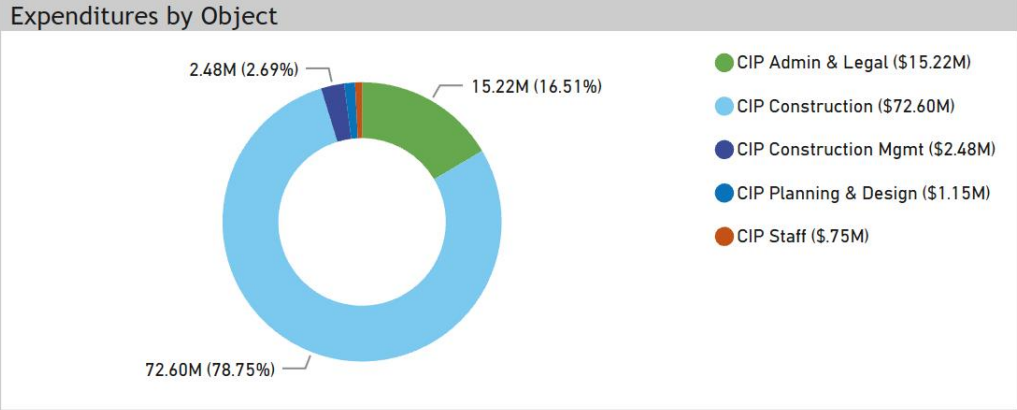
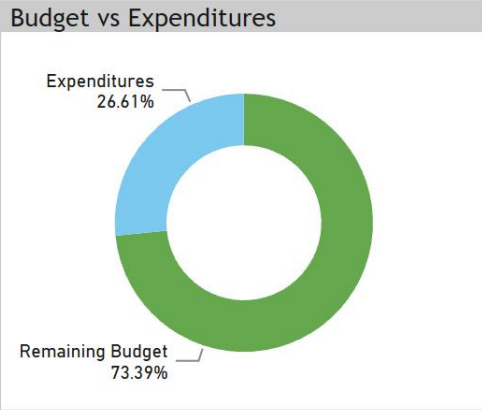
Gravity Pipeline Progressive DB Project



The Gravity Pipeline (GP) Project consists of the design, construction, permitting, start-up, commissioning, and closeout of approximately 17,600 feet of wastewater gravity FRP pipe inside a concrete-segment tunnel. The work includes three shafts and will interface directly with the Front of Plant (FoP) Project at the Surge & Flow Shaft (SFS). Work is being implemented under a Progressive Design-Build procurement process.



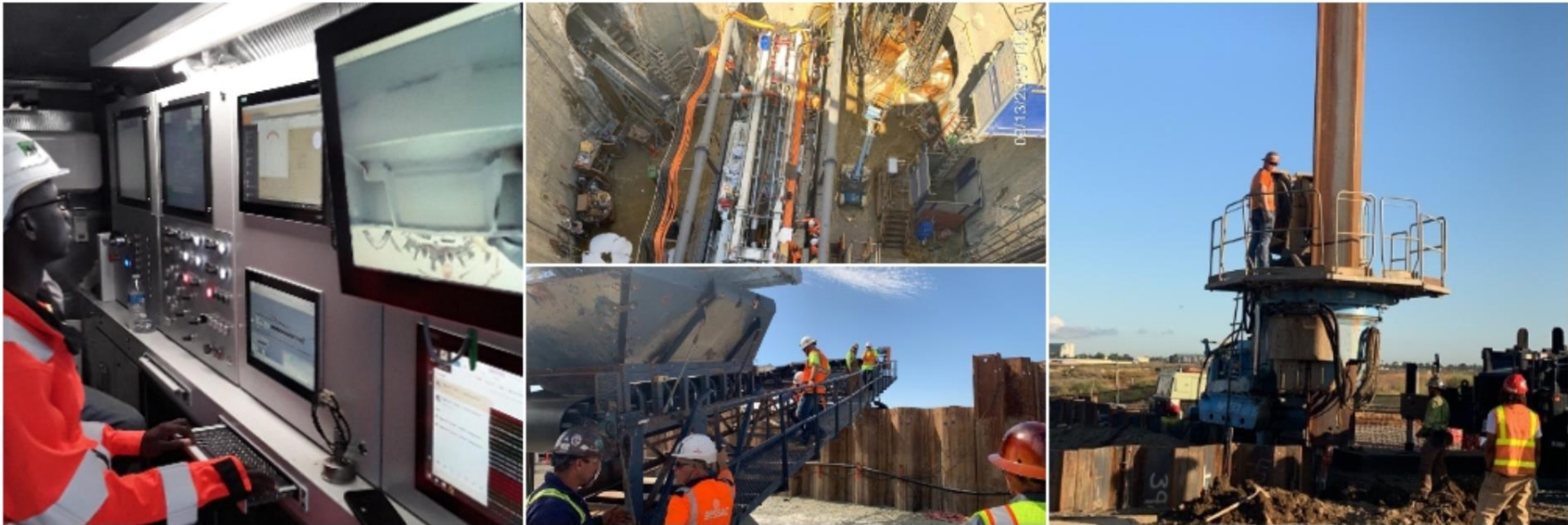
Milestone Schedule		
	Start	Finish
100% Design Documents		3/11/2020
Bair Island Shaft Construction	6/24/2019	1/31/2020
TBM Drive (AAS to Bair Island)	9/17/2019	6/4/2020
San Carlos Shaft Construction	7/24/2020	2/2/2022
TBM Drive (AAS to SFS)	9/3/2020	10/19/2021
FRP Pipe Installation	10/5/2021	5/16/2022
Final Commissioning		7/1/2022



Construction KPIs



As of : 2019 - 10



Gravity Pipeline Progressive DB Project



Major Accomplishments this Period

▼	
Design	<ul style="list-style-type: none">- Issued for Construction Specifications under development- Continued coordination with Pump Stations Improvement project and Operations & Maintenance for San Carlos inlet connection- FRP pipe design completed- Building and Utility Damage Assessment report submitted for review.
Procurement of Trade Packages	<ul style="list-style-type: none">- Bair Island Guillotine Sheet Pile contract executed- Outreach in conformance with SRF and WIFIA funding requirements
Construction	<ul style="list-style-type: none">- TBM assembly continues as BBJV begins to assemble segment rings in the starter tunnel- Blue Iron completed driving sheet piles for the Bair Island Shaft and prepares for shaft excavation

Potential Issues

County Permits and Easements.
New County Sales Tax
Tariffs on Chinese Steel

3 - Month Look Ahead

	Start	End	October	Novemb...	December
100% Design Completion	August 10, 2018	March 11, 2020	X	X	X
Bair Island Shaft Excavation	September 30, 2019	November 30, 2019	X	X	
Launch TBM for Bair Island Drive	September 17, 2019	May 27, 2020	X	X	X

Safety Spot Light

Category	Value
Lost Time	0
Near Misses	0
Recorded Losses	0

Pump Stations

All SVCW pump stations require replacement or rehabilitation. Menlo Park PS will be rehabilitated. Redwood City PS will be replaced. Belmont PS will be rehabilitated. San Carlos PS is no longer needed due to the new gravity pipeline; flows from San Carlos and Belmont will enter into the gravity pipeline via a drop structure at the current San Carlos pump station site. Flows from the MPPS and RCPS will flow through the new 48-inch force main to a drop structure at Inner Bair Island. This project also includes replacement of the Belmont Force Main and will be implemented via a Progressive Design-Build Process.

Available Budget

\$103.93M

Total Expenditure

\$8.56M

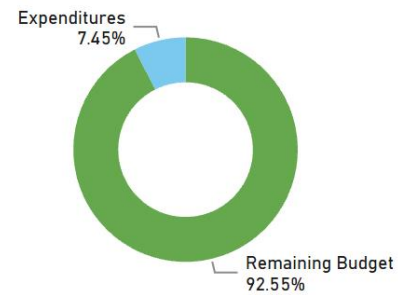
Remaining Budget

\$95.56M

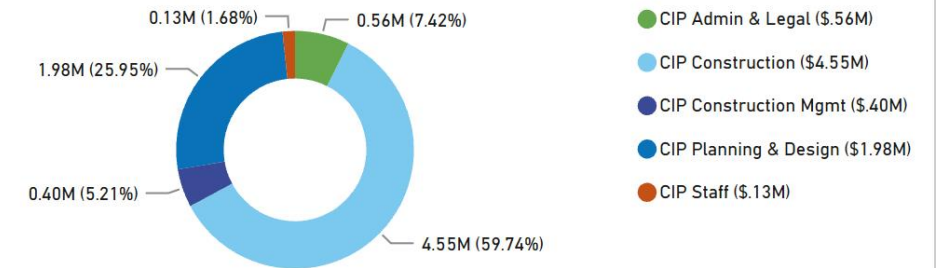
Milestone Schedule

	Start	Finish
PSI Project Procurement process approved by Commission	7/13/2018	7/13/2018
Recommend Award of DB Agreement to Commission	2/25/2019	2/25/2019
Basis of Design Report (BODR)	7/1/2019	10/7/2019
30 Percent (%) Design Documents	7/2/2019	9/19/2019
60 Percent (%) Design Documents	8/19/2019	12/9/2019
Stage 1 Services Complete		1/17/2019

Budget vs Expenditures



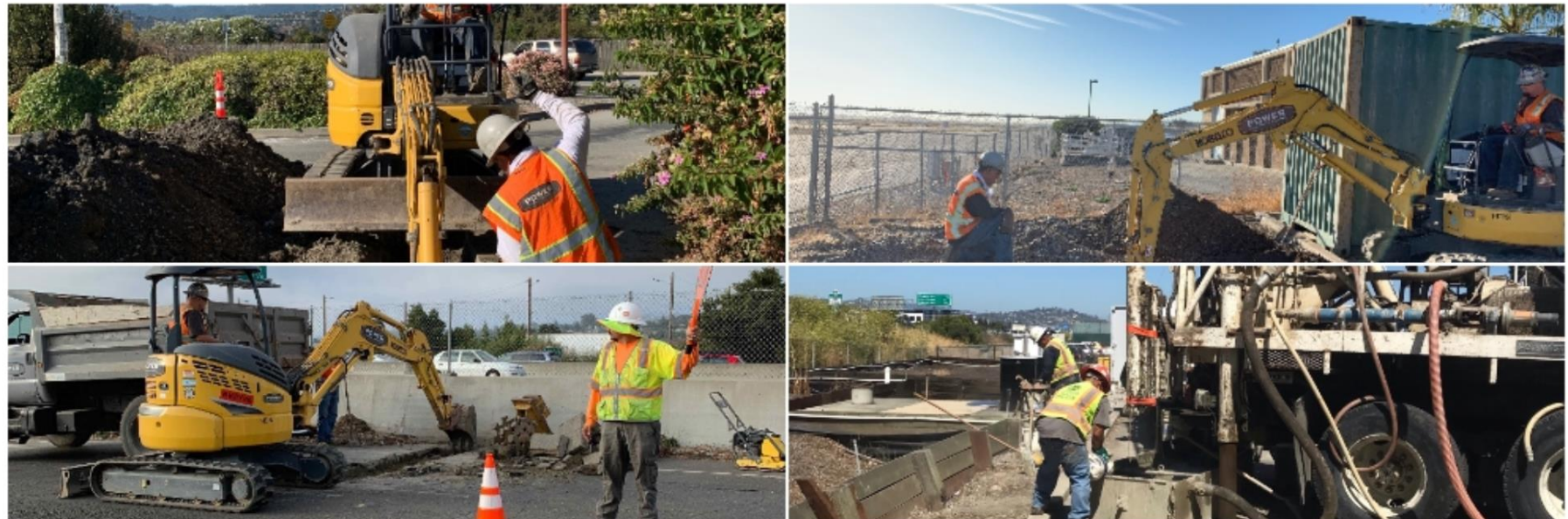
Expenditures by Object



Phase 2 is scheduled to start on 1/20/2020.

No % Complete or % Expenditures available at this time.

As of : 2019 - 10



Major Accomplishments this Period

- Design
- Belmont Gravity Pipeline and MPPS 60% designs are in progress.
 - RCPS 30% designs are under review by SVCW.
 - Ongoing coordination with GP project.
 - Potholing for utility-locating completed at Belmont and San Carlos locations

Potential Issues

No issues to note for this period.

3 - Month Look Ahead

	Start	End	October	Novemb...	December
60% Design Package	August 19, 2019	December 6, 2019	X	X	X
BIM Model Development, Analysis, and Support	September 11, 2019	January 17, 2020	X	X	X
BODR & 30% Design Documents	May 24, 2019	December 6, 2019	X	X	X
Control Strategy / Narratives Development	May 23, 2019	October 25, 2019	X		
Cost Modeling Development and Estimates	May 3, 2019	December 12, 2019	X	X	X
Design & Construction Phasing Plan	May 27, 2019	October 28, 2019	X		
Modeling	May 24, 2019	November 4, 2019	X	X	
P&ID, Master Equipment & I/O List Development	July 2, 2019	October 21, 2019	X		
Permitting & Public Outreach Support	February 28, 2019	January 17, 2019	X	X	X
Preliminary Staffing & Staff Training Plan	October 15, 2019	November 7, 2019	X	X	
Preliminary Startup, Testing and Acceptance Plan	September 3, 2019	November 20, 2019	X	X	

Safety Spot Light

Category	Value
Lost Time	0
Near Misses	0
Recorded Losses	0