

Additional Supplemental Environmental Project (SEP) Funding



Tuberculated SAS @
Sunnyslope / 04_09_12
© Brett Mills

for Santa Ana Sucker Habitat Project



SAWPA Commission
January 19, 2016

Recommendation

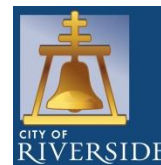
That the Commission authorizes staff to enter into an agreement to receive approximately **\$39,000** in Supplemental Environmental Project (SEP) funding from a Santa Ana Regional Water Board fine levied on the City of Norco.

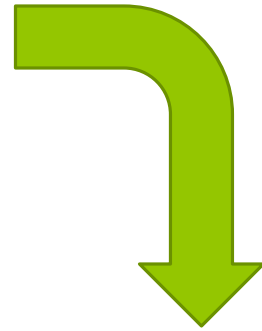
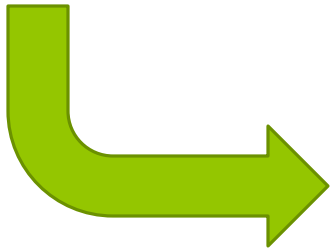
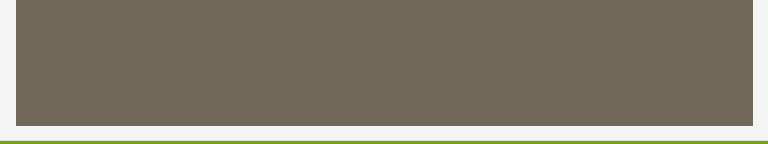


Background



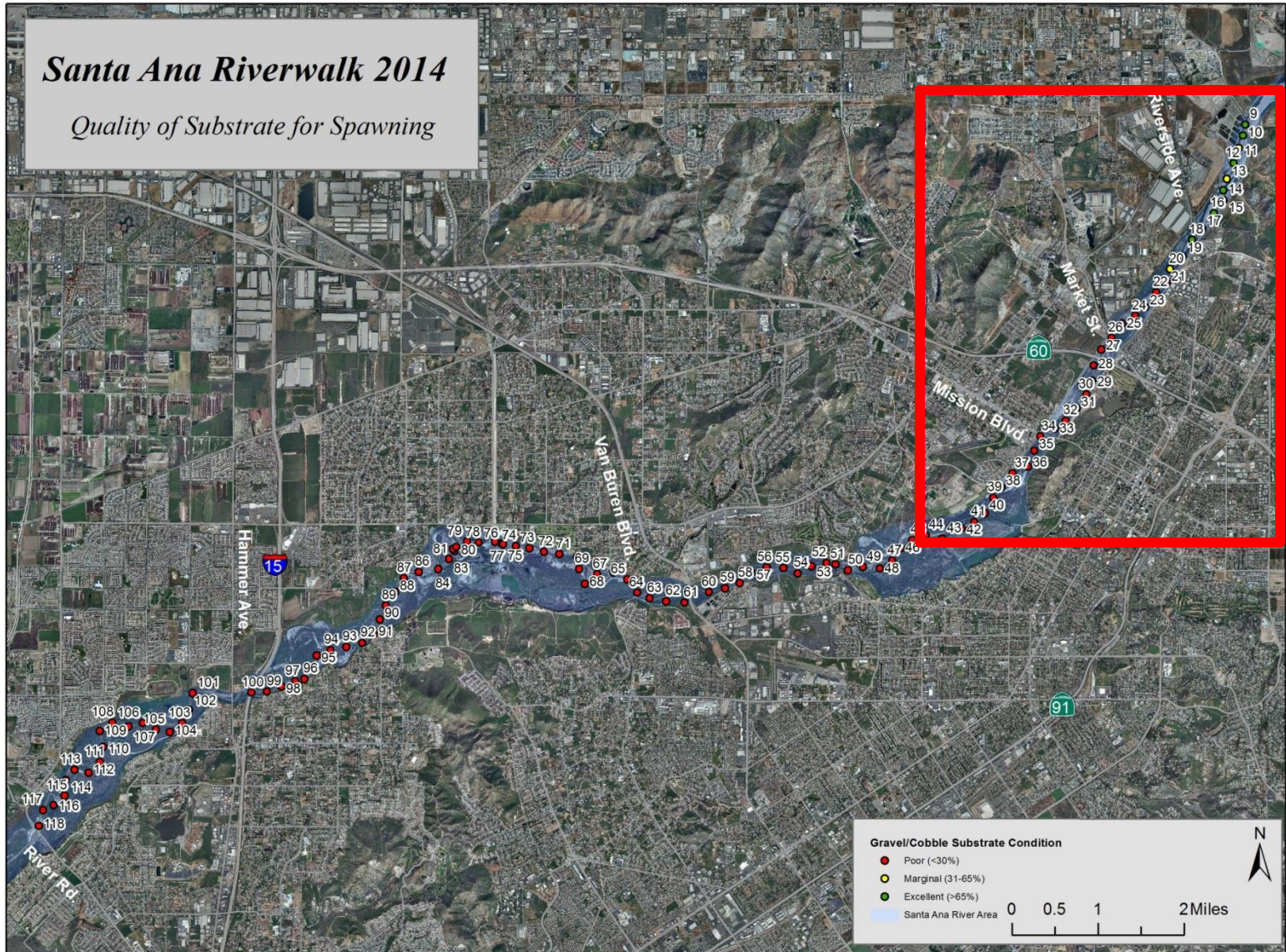
- Briefed Commission on Feb 17, 2015; June 16, 2015; July 7, 2015
- Sucker Fish
 - Listed as “threatened” by US Fish & Wildlife
 - Likes Cobble/Rocks
- Santa Ana Sucker Conservation Team
 - City of Riverside
 - OCWD





Santa Ana Riverwalk 2014

Quality of Substrate for Spawning



K:\Interns\Sam\RiverwalkStuff\Riverwalk2014.mxd SW-2433



Agreements for Project

- 1: SAWPA – USFWS



\$37K

- 2: SAWPA – Regional Water Board and City of Beaumont



&



\$24K

- 3: SAWPA – Regional Water Board and City of Norco



&



\$39K

Total \$100K

Project Deliverables

- Same for Beaumont and Norco Agreements
- Evaluation of pre and post project conditions for USFWS Agreement



Recommendation

That the Commission authorizes staff to enter into an agreement to receive approximately **\$39,000** in Supplemental Environmental Project (SEP) funding from a Santa Ana Regional Water Board fine levied on the City of Norco, **with approval, subject to minor edits by the City of Norco, if needed.**





Supporting Information

Line Item	Regional Board and US Fish and Wildlife Service Funding*	Further Detail
Hydrologist	\$4,000	Assumes \$125/hour
Biologist	\$8,000	Assumes \$125/hour
Permitting (408 Permit with Army Corps)	\$4,000	Assumes \$125/hour
Permitting Contingency	\$4,000	Assumes \$125/hour
Biological Monitoring	\$8,000	Assumes \$100/hour
Heavy Equipment, Equipment Operators, Fuel	\$44,000	Heavy equipment may include dump truck(s), backhoe(s)
Rock and Substrate Material Contingency	\$10,000	Assumes rock agreement with SBVWMD; \$35/quarter ton (funds from other sources augment costs)
Heavy Equipment Contingency	\$8,000	Heavy equipment may include dump truck(s), backhoe(s)
Project Implementation Development (site planning, access, agreements, etc).	\$10,000	Assumes \$125/hour
Total	\$100,000	

*This includes \$37,000 from the US Fish and Wildlife Service Carlsbad Office, \$24,000 from the City of Beaumont and \$39,000 from the City of Norco through the Regional Water Board Supplemental Environmental Project agreements.

Task/Subtask	2016												2017												2018											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	
Project Management	[Solid Blue Bar]																																			
Project Management	[Light Blue Bar]																																			
Contract with Regional Board	[Light Blue Bar]																																			
Submittal of Quarterly Reports	[Light Blue Bar]																																			
Implementation	[Solid Blue Bar]																																			
Project Implementation Plan	[Light Blue Bar]																																			
Rock Location in River (Heavy Equipment)	[Light Blue Bar]																																			
Monitoring	[Solid Blue Bar]																																			
Biological and Water Quality Monitoring	[Light Blue Bar]																																			

Inland Empire Brine Line Reach V Rehabilitation and Improvement Project

Item 5.B

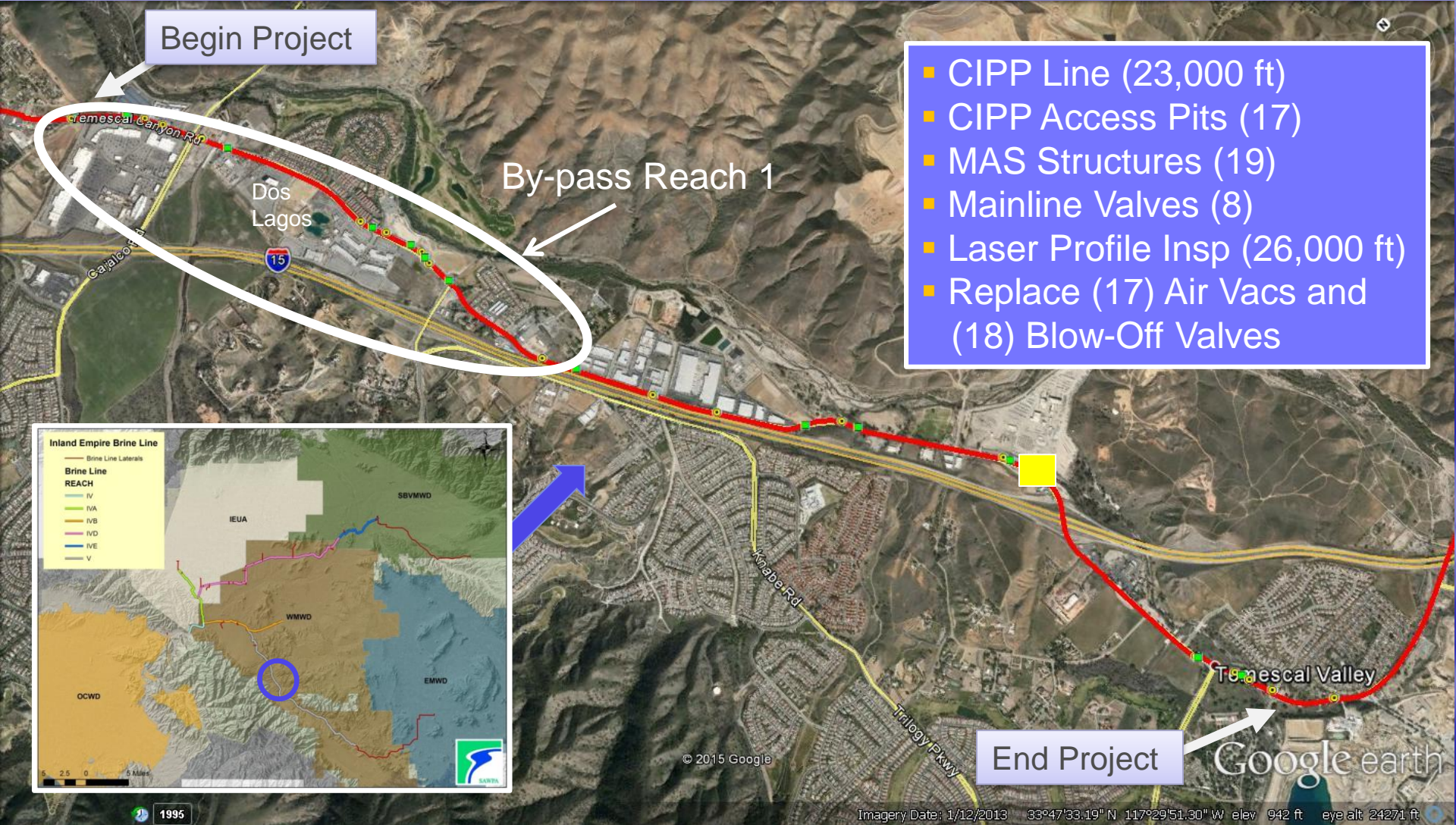
January 19, 2016

Recommendation

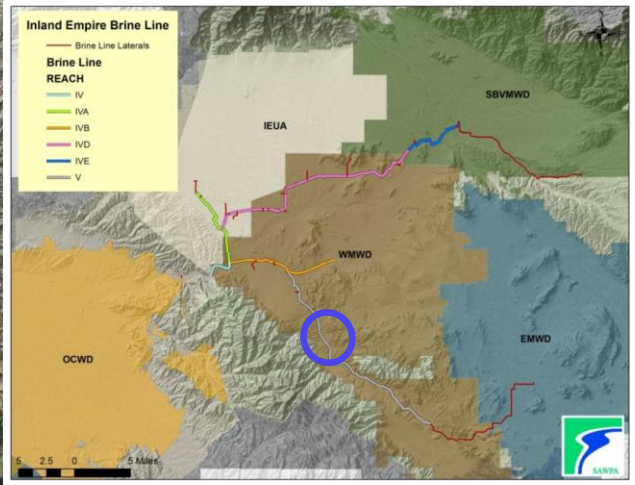
- Authorize the GM to approve:
 - Change Order 2 to Task Order VALI326-02 with Vali Cooper and Associates for additional Construction Management and Inspection Services for the Project for an amount not to exceed **\$562,344**;
 - Change Order 1 to Task Order DUDK326-02 with Dudek for additional Engineering Services during Construction for the Project for an amount not to exceed **\$64,420**; and
 - Change Order 2 to Work Order No. 2016-16 with Ramtech Laboratories for additional CIPP Laboratory Testing for the Project for an amount not to exceed **\$53,428**.



Project Description and Location

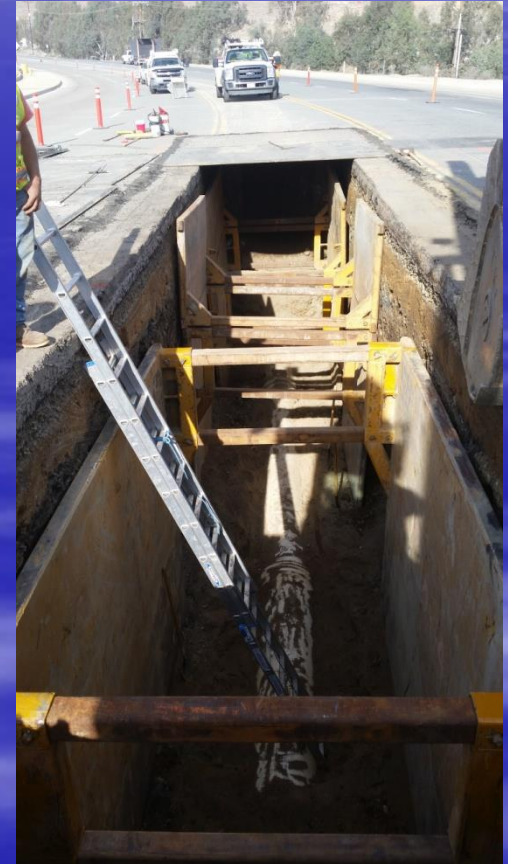


- CIPP Line (23,000 ft)
- CIPP Access Pits (17)
- MAS Structures (19)
- Mainline Valves (8)
- Laser Profile Insp (26,000 ft)
- Replace (17) Air Vacs and (18) Blow-Off Valves



Current Work Activities

- Reach 2 Shutdown
 - Install MAS for Reach 2 by-pass
 - CCTV / clean / laser profile (I15)
- Liner 1 and 9 – Investigate / repair rope burn
- Liner 4,5 – Repair Wrinkle
- Liner 16 - Repair blow – off connection and pressure test
- Liner 14 – Remove and Replace 180 feet



Additional CM Services due to Contractor Delays

- Contract Duration 400 Days, with Contract Completion of 2/8/16
- Contractor's Recent Schedule Update
 - Completion Date of 8/6/16 (159 Days)
- 60% of Contract Work Remaining
- Additional Inspection Costs due to Contractor Delays \$430,790
- Liquidated Damages \$5,000 / day

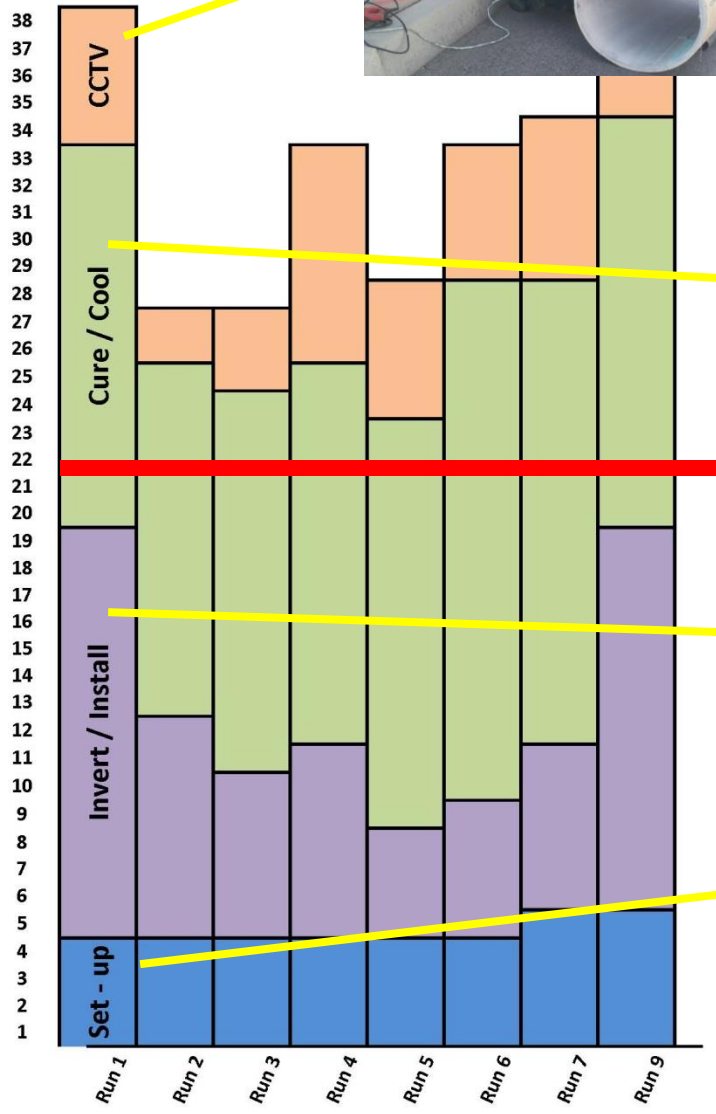


Additional CM Services due to Contractor Delays

<u>Activity</u>	<u>Completed (Original Budget)</u>	<u>Remaining (Additional Budget)</u>	<u>% Remaining</u>
■ CIPP Liner Installation (ft)/(Installs)	12,085 feet (16)	13,950 feet (19)	54%
■ Install by-pass system	12,085 feet	13,950 feet	54%
■ Remove by-pass system	0	26,032 feet	100%
■ CCTV/Laser Profiling/Cleaning	36,255 feet	41,850 feet	54%
■ Auger Boring	0	95 feet	100%
■ Receiving and Jacking Pits	0	4	100%
■ Install MAS Structures	10	9	47%
■ Install CIPP Access Pits	8	9	53%
■ Install AV and BO Assemblies	14	18	56%
■ Construct Test Pits	0	3	100%

CIPP Installation Timeline

Hours



CIPP Segment



Estimated Installation Time (22 hrs.)

Additional CM Services due to Liner Repairs

- Liner repairs completed - \$14,060
 - In – pipe repairs liners 11 - 16
- Liner repairs pending - \$105,930
 - Reline liners 11 – 13
 - Remove and replace portions of 14 – 16
- Not included in original CM budget



CM and Inspection Services

Vali Cooper and Associates

- Original Contract Amount: \$818,610
- Change Order 1: \$64,255
- **Change Order 2:**
 - Additional Inspection \$430,790
 - Due to Contractor Delays
 - Extended Time for CIPP \$11,564
 - Liner Installations (Liner 1-7 and 9)
 - Liner Repairs Completed \$14,060
 - Liner Repairs Pending \$105,930
- Total Change Order 2 \$562,344
- Amended Contract Amount: \$1,445,209

Engineering Services During Construction

- Dudek prepared project plans and specifications
- Engineering Services during construction
 - RFI / Submittal review
 - Design deviations
 - Video review
 - Archeological monitoring
 - Change assistance
 - Progress meetings
 - Field visits
 - Closeout activities
- Additional services provided due to following
 - Delay in schedule
 - Remediation of liners
 - PVC pipe installation
 - Substitution of subcontractors
 - Changes in material supplier

Engineering Services During Construction

<u>Task</u>	Original <u>Scope of Work</u>	<u>Actual</u>
– RFI's	20	49
– Submittals	25	209
– Re-submittals	25	90
– Progress Meetings	15	37
– Review video	37,000 ft	60,000 ft

- Additional services necessary to continue to provide Engineering Services during Construction

CIPP Laboratory Testing

- Ensure liner meets minimum physical properties per the specifications
- Per specifications, laboratory used for testing is recommended by Contractor and approved by SAWPA
- Ramtech Laboratories
 - Accredited laboratory for CIPP Testing
 - Located in Paramount, CA

CIPP Laboratory Testing

- Original budget anticipated consistency of lab results and exceeding requirements (\$50,000)
- Additional budget necessary to fully test all samples for each liner installed (\$53,426)
- 19 liner segments remaining



Recommendation

- Authorize the GM to approve:
 - Change Order 2 to Task Order VALI326-02 with Vali Cooper and Associates for additional Construction Management and Inspection Services for the Project for an amount not to exceed **\$562,344**;
 - Change Order 1 to Task Order DUDK326-02 with Dudek for additional Engineering Services during Construction for the Project for an amount not to exceed **\$64,420**; and
 - Change Order 2 to Work Order No. 2016-16 with Ramtech Laboratories for additional CIPP Laboratory Testing for the Project for an amount not to exceed **\$53,428**.

Questions?