

Avila Beach Drive at US 101 Interchange Project

Status Update Presentation



COUNTY OF SAN LUIS OBISPO

November 14, 2022



COUNTY OF SAN LUIS OBISPO

www.slocounty.ca.gov

Introductions and Roles



Avila Beach Drive at US 101 Interchange Project Status Update Agenda

- I. Project Background and Recap
- II. Final Design Status
- III. Today's Estimate on the
Upcoming Construction Schedule



Avila Beach Drive / US 101 Interchange Project Purpose and Need



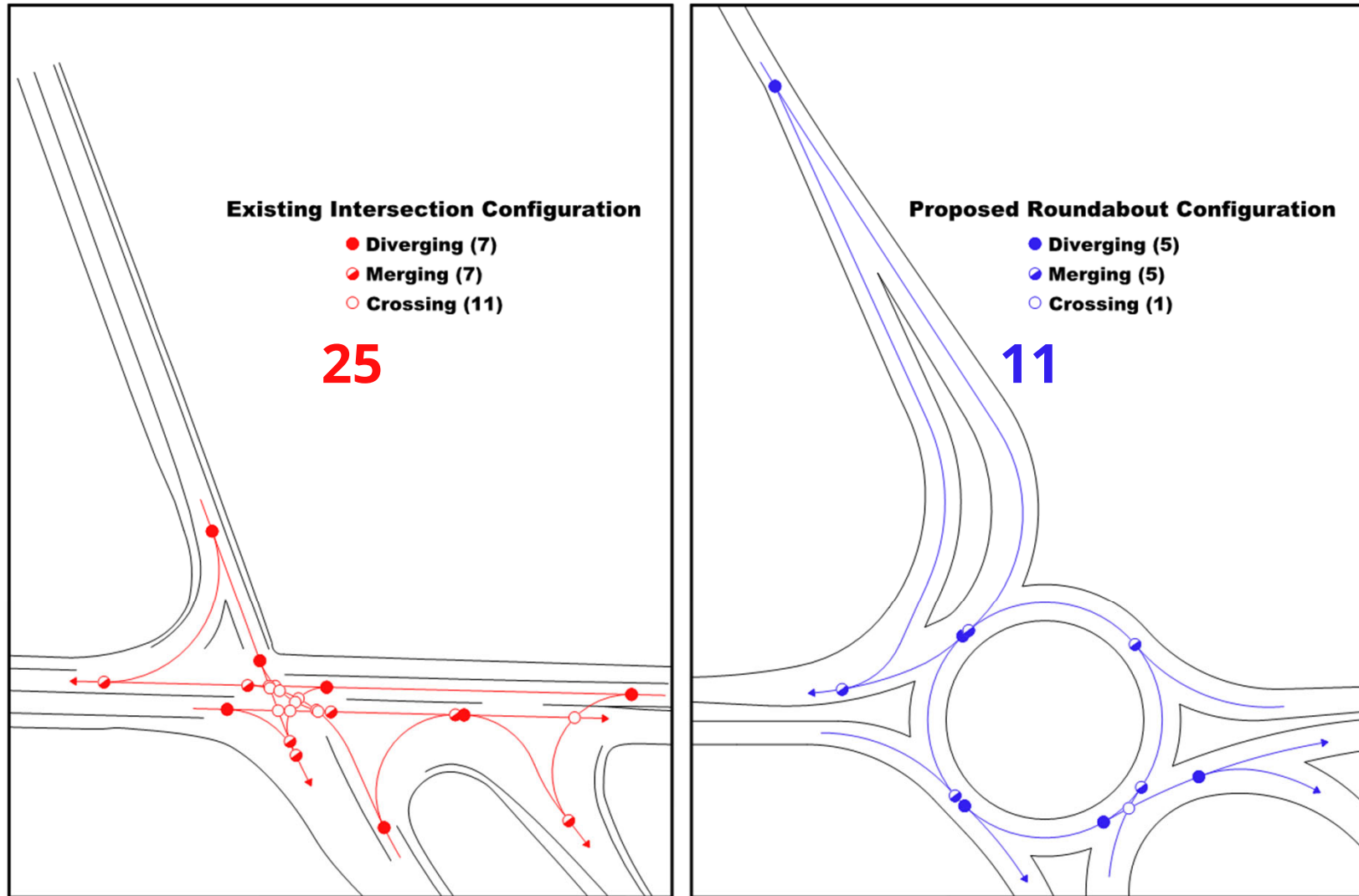
Traffic congestion relief and multi-modal improvements,
safely accommodating pedestrians, bicyclists, transit
and a Park & Ride lot



2042 Traffic Delay No-Build vs w/ Project Relief



Vehicle Conflict Point Comparison

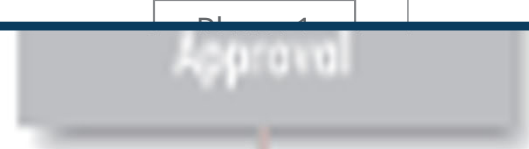


Phase 2 - Project Approval & Environmental Document (PA&ED)



Phase 3 - Project Final Design

Phase 3



Prior Feedback

- Pedestrian and bicycle access is important, the roundabout is merited but must provide ample lighting
- Mitigate appearance of large walls with aesthetic design
- Consider personal safety and vehicular security at park-and-ride lot
- Define and mitigate any tree removals
- Improve sight distance at NB off-ramp

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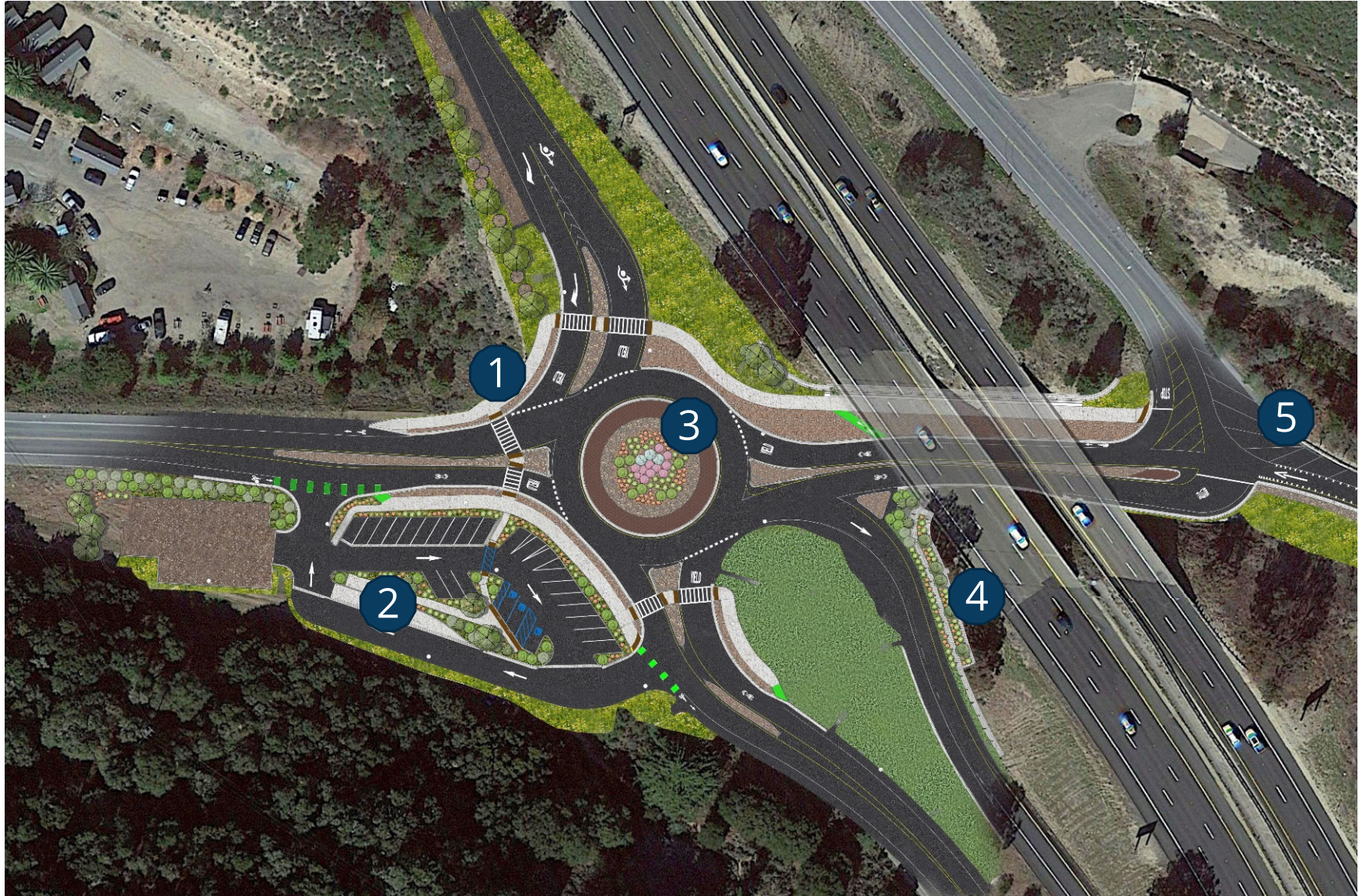
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Aerial View - Main Surface Features



Southbound Off-Ramp - Existing



Southbound Off-Ramp - with Project



Southbound US 101 - Existing



From US 101 – with Project



Eastbound Avila Beach Drive - Existing



Eastbound Avila Beach Drive - with Project



Eastbound Avila Beach Drive - with Project



Details, Details, Details

**COUNTY OF SAN LUIS OBISPO
PUBLIC WORKS DEPARTMENT**

**PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY AND COUNTY ROAD
IN SAN LUIS OBISPO COUNTY NEAR AVILA BEACH
AT ROUTE 101/AVILA BEACH DRIVE SEPARATION**

TO BE SUPPLEMENTED BY STATE OF CALIFORNIA STANDARD PLANS DATED 2018

INDEX OF PLANS

SHEET NO.	SHEET ID	DESCRIPTION
1	T-1	TITLE SHEET
2	K-1	KEY MAP AND LINE INDEX
3-4	PC-1 TO PC-2	PROJECT CONTROL
5-11	X-1 TO X-7	TYPICAL CROSS SECTIONS
12-17	DM-1 TO DM-6	DEMOLITION PLAN LAYOUTS
18-23	L-1 TO L-6	LAYOUTS
24-30	P-1 TO P-7	PROFILES AND SUPERELEVATION DIAGRAMS
31-42	C-1 TO C-12	CONSTRUCTION DETAILS
43-48	G-1 TO G-6	CONTOUR GRADING
49-53	D-1 TO D-5	DRAINAGE PLANS
54-59	DP-1 TO DP-6	DRAINAGE PROFILES
60-70	DO-1 TO DO-11	DRAINAGE DETAILS
71-72	DO-1 TO DO-2	DRAINAGE QUANTITIES
73	U-1	UTILITY PLAN
74	CS-1	CONSTRUCTION AREA SIGNS
75-90	SC-1 TO SC-16	STAGE CONSTRUCTION AND TRAFFIC HANDLING PLANS
91-96	PD-1 TO PD-6	PAYMENT DELINEATION PLAN
97-102	S-1 TO S-6	SIGN PLAN
103-104	SD-1 TO SD-2	SIGN DETAILS
105-108	SO-1 TO SO-4	SIGN QUANTITIES
109-112	E-1 TO E-4	TEMPORARY LIGHTING SYSTEMS
113-115	E-5 TO E-7	ELECTRICAL PLANS, NOTES, & DETAILS
116	EO-1	ELECTRICAL QUANTITIES
117-120	LL-1 TO LL-4	PLANTING PLAN & SCHEDULES, NOTES, AND DETAILS
121-125	IR-1 TO IR-5	IRRIGATION PLANS, NOTES, AND DETAILS
126-131	EC-1 TO EC-6	EROSION CONTROL PLANS
132-152	RW-1 TO RW-21	RETAINING WALL PLANS

LOCATION MAP

NOTES

- ANY EXCAVATION WITHIN 10 FEET OF A 30 CAL GAS HIGH PRESSURE PIPELINE MUST BE COORDINATED THROUGH UNDERGROUND SERVICES ALERT (811) WITH A 30 CAL GAS CO. EMPLOYEE. ALL HIGH PRESSURE PIPELINE EXCAVATIONS MUST HAVE A 30 CAL GAS EMPLOYEE ON SITE.
- ANY EXCAVATION OR SUBGRADE REMOVAL PERFORMED WITHIN 2 FEET OF THE EDGE OF A 30 CAL GAS PIPELINE MUST BE DONE UTILIZING HAND TOOLS PER USA LAW 4216.
- MECHANICAL COMPACTION IS NOT ACCEPTABLE WITHIN 2 FEET OF A 30 CAL GAS PIPELINE.

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

PRELIMINARY PLANS
Subject To Revision

APPROVALS:

JURISDICTION: _____ DATE: _____

REVIEWED: CHL ENGINEER: _____ DATE: _____

PLANS APPROVAL DATE: _____

THE COUNTY OF SAN LUIS OBISPO AND ALL AGENCIES OF THE COUNTY SHALL NOT BE HELD LIABLE FOR ANY ERRORS OR OMISSIONS IN THESE PLANS OR ANY PART THEREOF.

WALLACE GROUP
612 CLARION CT
SAN LUIS OBISPO, CA 93408
COUNTY OF SAN LUIS OBISPO
COUNTY GOVT CENTER, ROOM 206
SAN LUIS OBISPO, CA 93408

CONTRACT NO. **05-10480**

PROJECT ID **0515000038**

BORDER LAST REVISED 8/1/2018 | CALTRANS WEB SITE IS: [HTTP://WWW.DOT.CA.GOV/](http://WWW.DOT.CA.GOV/)

RELATIVE BORDER SCALE: 0 1 2 3 | USERNAME => ETAMP | JOB FILE => 0515-0001 TITLE=00

UNIT: PROJECT NUMBER & PHASE: 0515-0001, 0515-0001, 0515-0001

Details, Details, Details

- Plans, Specifications & Estimate require not only the currently 150+ plan set but a “book” of specifications showing how every item is paid for how it’s tied to Caltrans Standards
- Utilities potholing and accounting for depths not only in roadway but also for drainage systems
- Lighting, drainage, structures, traffic, aesthetics, Coastal Development Permit clearance, landscaping, mitigation planting
- Stage construction and traffic handling concepts defined and contrasted to annual events



Details, Details, Details

Stage Construction details as envisioned by the engineers include 4 major stages and will likely change once construction begins:

- Stages 1A and 1B are intended to build underground facilities, southbound ramp detours, and walls along those ramps and northerly abutment. 1B is the longest duration stage.
- Stage 2 will focus on construction of some outer edges for Avila Beach Dr approaching the interchange, west side of Shell Beach Rd, and the southbound off-ramp westerly area
- Stage 3 is to focus on construction of southbound off-ramp easterly area, southbound on-ramp and Shell Beach Rd gore
- Stage 4 will construct the center areas of the interchange and reroute traffic to adjacent interchanges, shortest duration stage.
- ✓ Event avoidance, mitigation, coordination with PG&E, OES, Sherriff's office, CHP, Cal Fire ... anticipate the unanticipated!



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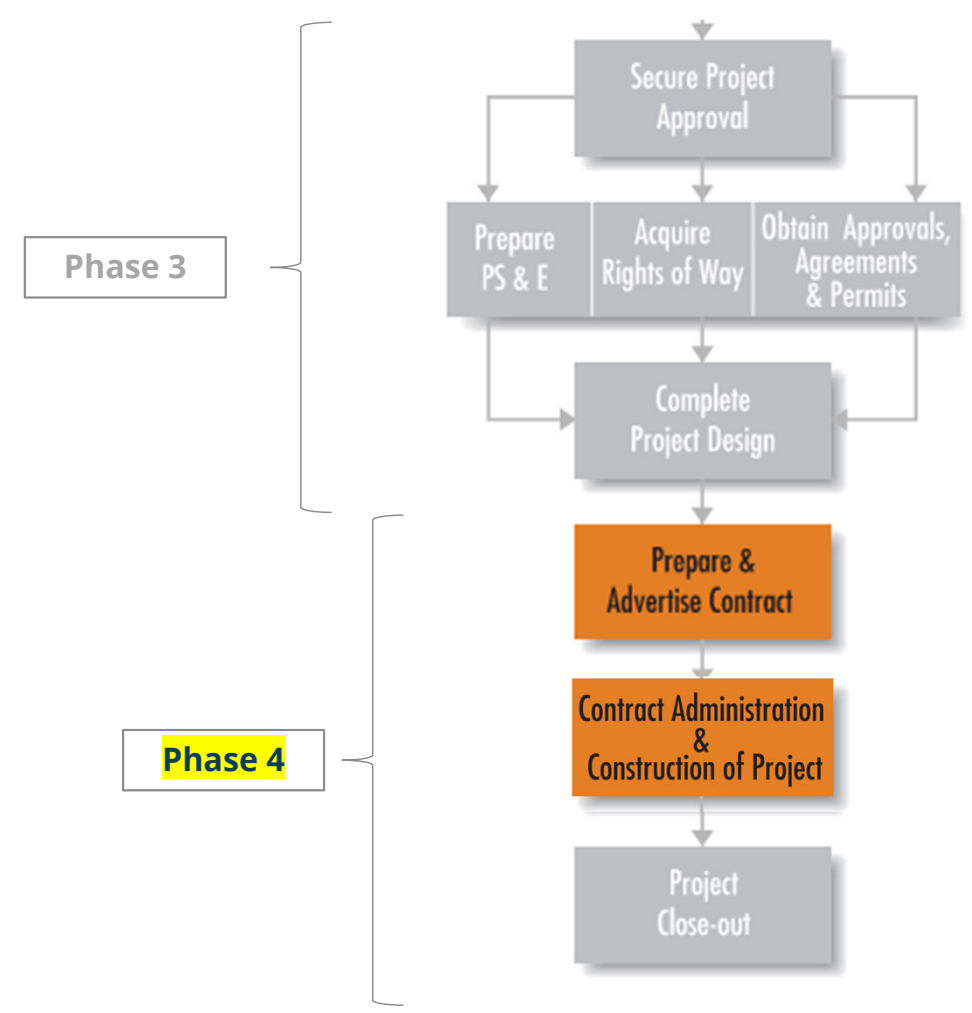
Phase Completion & Estimated Schedule

- **Phase 3 - Design – Finalize Early 2023**
- **Future Phase 4 - Construction**
 - Estimated to begin early to mid summer of 2023 (18-24 months of significant construction) with minor activities for close out following
 - 3 year planting establishment period



Phase 4 - Advertise and Construction

- Develop Detailed "Shovel-Ready" Design Plans & Specifications
- Advertise and Select Construction Contractor
- Identify Contractors "Methods and Means" for Various Parts of the Project



Funding Sources and Phases



Avila Beach Drive at US 101 SB Ramps & Shell Beach Rd Intersection Imps. (22300000663)

Project Status: Programmed	Last Approved:	Estimated Open to Traffic:
Project Description: Near Avila Beach and north Shell Beach, construct a roundabout at Avila Beach Drive, Park and Ride Lot, and transit amenities. Emissions Reduction (kg/day) ROG 0.01; CO 0.11; Nox 0.00; PM2.5 0.00 Cost effectiveness \$201.02(\$/lb).		
Highway: 101	Project Type: Hwy: US 101	
Lead Agency: San Luis Obispo County	INDOT District:	County:

Est Total Cost: -										
	Total	Prior	22/23	23/24	24/25	25/26	26/27	PE	RW	CON
CMAQ - Congestion Mitigation	\$5,938,000	\$521,000	\$5,417,000	-	-	-	-	\$521,000	-	\$5,417,000
DEMO - LU (HPP)	\$199,636	\$199,636	-	-	-	-	-	\$199,636	-	-
Loc Funds - County Funds	\$300,000	\$300,000	-	-	-	-	-	\$300,000	-	-
Other Fed - Highway Infrastructure Program (HIP)	\$1,271,600	\$985,487	\$286,113	-	-	-	-	\$985,487	-	\$286,113
RSTP-RSHA	\$207,364	\$207,364	-	-	-	-	-	\$207,364	-	-
STIP-RIP (S/O)	\$6,810,000	-	\$6,810,000	-	-	-	-	-	-	\$6,810,000
STIP-RIP AC	\$700,000	\$700,000	-	-	-	-	-	\$700,000	-	-
TOTAL	\$15,426,600	\$2,913,487	\$12,513,113	-	-	-	-	\$2,913,487	-	\$12,513,113



Thank you, this concludes our update presentation to AVAC.

Please visit our project website for ongoing updates and feel free to contact our County Project Manager at the below:

www.slocounty.ca.gov/PW/Projects/Avila at 101

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805-781-4644 / ayonker@co.slo.ca.us



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