



Bridging to the Future

**PRADO ROAD BRIDGE
Replacement Project**

July 26, 2022 Community Meeting

1



Background

- Land Use and Circulation Element
- Existing bridge is structurally deficient and functionally obsolete
 - *1950's vintage at end of useful lifespan*
 - *No bicycle or pedestrian facilities with non-standard guardrails*
 - *Can't accommodate future growth, constricts roadway and creek flow*
- Current and future growth demands require updates to this area of the City

2

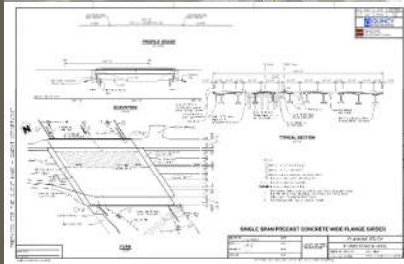
Background

- Proposed replacement bridge and intersection improvements
 - Safer more accessible for vehicles, bicyclists and pedestrians
 - Accommodates future growth for all modes
 - And more ... details as follows!



3

Proposed Design



Intersection Reconfiguration

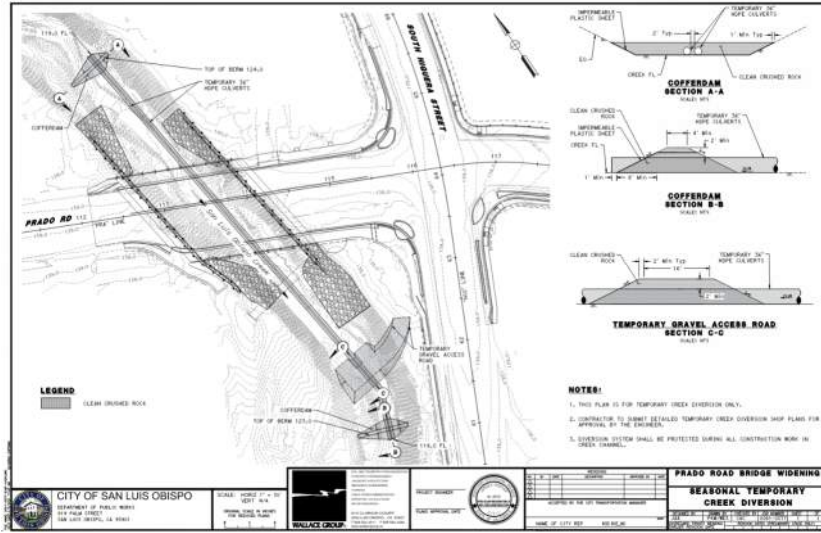
Bridge Replacement & Creek Improvements

Utility Upgrades and Undergrounding



4

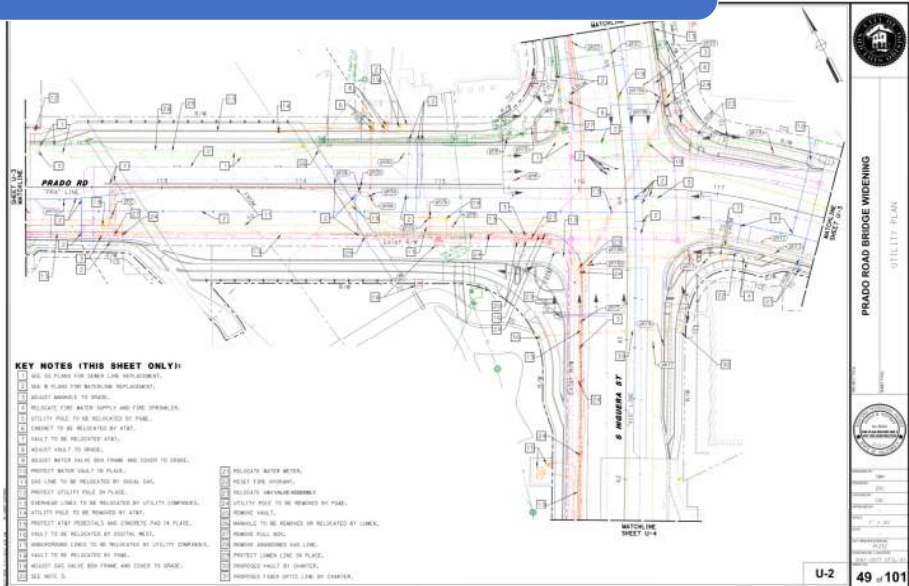
Bridge Replacement & Creek Improvements



7

Utilities Undergrounding and Updates

- A veritable “spaghetti bowl” of utilities
- Gravity sewer line to WRF is a controlling factor
- Water/Reclaimed Water
- Fiber communication /Power/Gas
- Existing and proposed alignments
- Storm drain culverts



8

Stage Construction and Traffic Handling

CONSTRUCTION
AHEAD

Design Phase Approach

- Biddable and Constructible
- Assume timing and staging
- Negotiate permits and other constraints
- Assume equipment and Contractor approach

Construction Phase Approach

- Actual begin work timing
- Maneuver specific supply chain/equipment availability constraints
- Negotiate traffic handling and staging with City and others

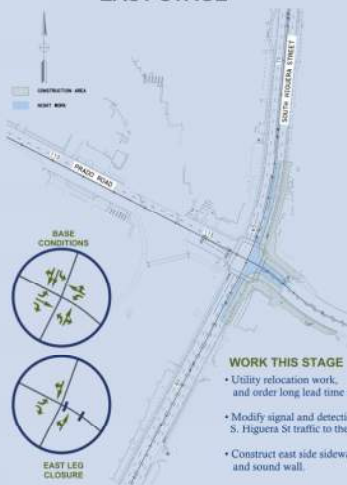
9

Stage Construction and Traffic Handling

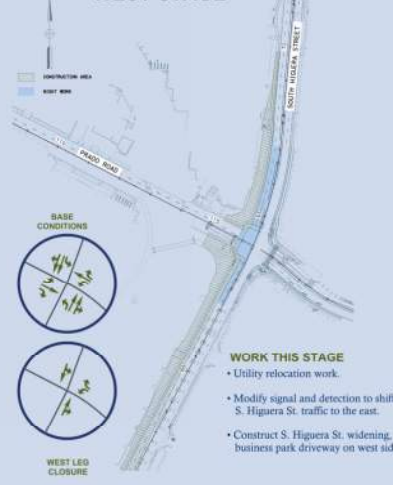
CONSTRUCTION
AHEAD

Construction Traffic Handling

EAST STAGE




WEST STAGE

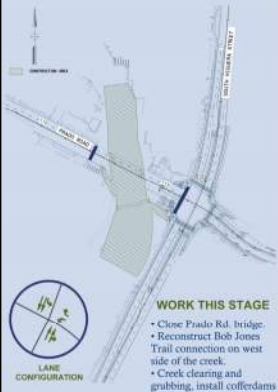
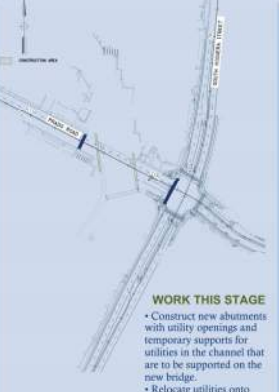
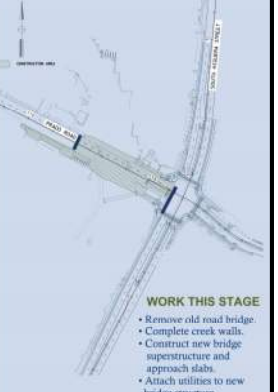


10

Stage Construction and Traffic Handling




Construction Work & Traffic Handling


CREEK WORK STAGE	SUBSTRUCTURE STAGE	SUPERSTRUCTURE STAGE
 <p>WORK THIS STAGE</p> <ul style="list-style-type: none"> • Close Prado Rd. bridge. • Reconstruct Bob Jones Trail connection on west side of the creek. • Creek clearing and grubbing, install cofferdams and stream diversion. • Relocate Bob Jones Trail pedestrian bridge. • Construct soldier pile walls and bank protection. 	 <p>WORK THIS STAGE</p> <ul style="list-style-type: none"> • Construct new abutments with utility openings and temporary supports for utilities in the channel that are to be supported on the new bridge. • Relocate utilities onto temporary supports as appropriate. 	 <p>WORK THIS STAGE</p> <ul style="list-style-type: none"> • Remove old road bridge. • Complete creek walls. • Construct new bridge superstructure and approach slabs. • Attach utilities to new bridge structure. • Finish construction of west side curb curms, drainage systems, and remaining signal work.

11

Stage Construction and Traffic Handling



Construction Work & Traffic Handling




PLANTING AND ROAD FINISHING STAGE

WORK THIS STAGE

- Complete regrading of San Luis Obispo Creek.
- Construct trail connection to the Prado Rd/S. Higuera St. intersection, install statue.
- Install planting for on-site and off-site mitigation, begin plant establishment period.
- Final paving and striping.
- Reopen Prado Road bridge crossing to traffic.


12

Stage Construction and Traffic Handling

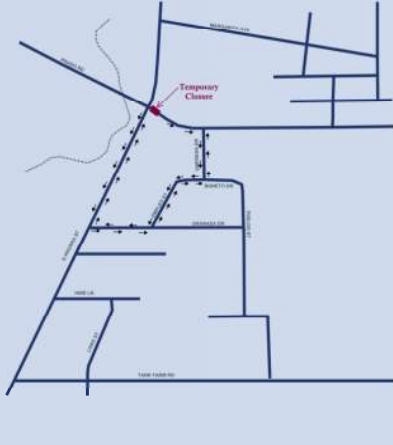


Construction Traffic Impacts - Detour Plans

WEST LEG CLOSURE



POTENTIAL EAST LEG CLOSURE



13




Public Circulation Prado Road Bridge Replacement Draft ISMND July 15, 2022 – August 15, 2022

EID-0459-2020

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

<input type="checkbox"/> Aesthetics	<input type="checkbox"/> Greenhouse Gas Emissions	<input type="checkbox"/> Public Services
<input type="checkbox"/> Agriculture and Forestry Resources	<input checked="" type="checkbox"/> Hazards and Hazardous Materials	<input checked="" type="checkbox"/> Recreation
<input checked="" type="checkbox"/> Air Quality	<input checked="" type="checkbox"/> Hydrology and Water Quality	<input checked="" type="checkbox"/> Transportation
<input checked="" type="checkbox"/> Biological Resources	<input type="checkbox"/> Land Use and Planning	<input checked="" type="checkbox"/> Tribal Cultural Resources
<input checked="" type="checkbox"/> Cultural Resources	<input type="checkbox"/> Mineral Resources	<input type="checkbox"/> Utilities and Service Systems
<input type="checkbox"/> Energy	<input checked="" type="checkbox"/> Noise	<input type="checkbox"/> Wildfire
<input checked="" type="checkbox"/> Geology and Soils	<input type="checkbox"/> Population and Housing	<input checked="" type="checkbox"/> Mandatory Findings of Significance

14

Biological Resources

- Potential impacts to habitats and special status species
- Impacts similar to Marsh Street Bridge Replacement
- Regulatory requirements due to impacts in jurisdictional areas



Public Circulation Prado Road Bridge Replacement Draft ISMND



15

Biological Resources

Mitigation Measures:

- Low-flow / breeding construction timing restrictions
- Environmental monitoring and training
- Special status species surveys
- Habitat Mitigation and Revegetation Plan



Figure 5. Proposed Off-site Mitigation Areas at Righetti Ranch

Public Circulation Prado Road Bridge Replacement Draft ISMND



16

Noise

- Existing noise levels exceed City standards at several residential locations
- Standard construction noise control measures
- Construction of a noise wall



Public Circulation Prado Road Bridge Replacement Draft ISMND



17

Noise



Public Circulation Prado Road Bridge Replacement Draft ISMND



18

Transportation



Construction

- Bridge closure for 18-24 months
- Mitigation Measures:
 - Construction Traffic Management Plan
 - Road closure notifications

Operation

- Consistent with City Circulation Element and Active Transportation Plan

Public Circulation Prado Road Bridge Replacement Draft ISMND



19

Other issue areas with Potentially Significant But Mitigable Impacts

- Air Quality
- Cultural Resources/Tribal Cultural Resources
- Geology and Soils
- Hazards/Hazardous Materials
- Hydrology/Water Quality
- Recreation



Public Circulation Prado Road Bridge Replacement Draft ISMND



20

Public Circulation Prado Road Bridge Replacement Draft ISMND July 15, 2022 – August 15, 2022

- The Project IS/MND is available for public review on the City's website at: slocity.org/prado
- Staff are here to be helpful and answer questions at each of the stations
- Provide written comments to the City:
by hardcopy comment cards available throughout the workshop,
by USPS to 919 Palm St, San Luis Obispo, CA 93401 or,
by email to *City Project Manager Wyatt Banker-Hix* at wbanker@slocity.org



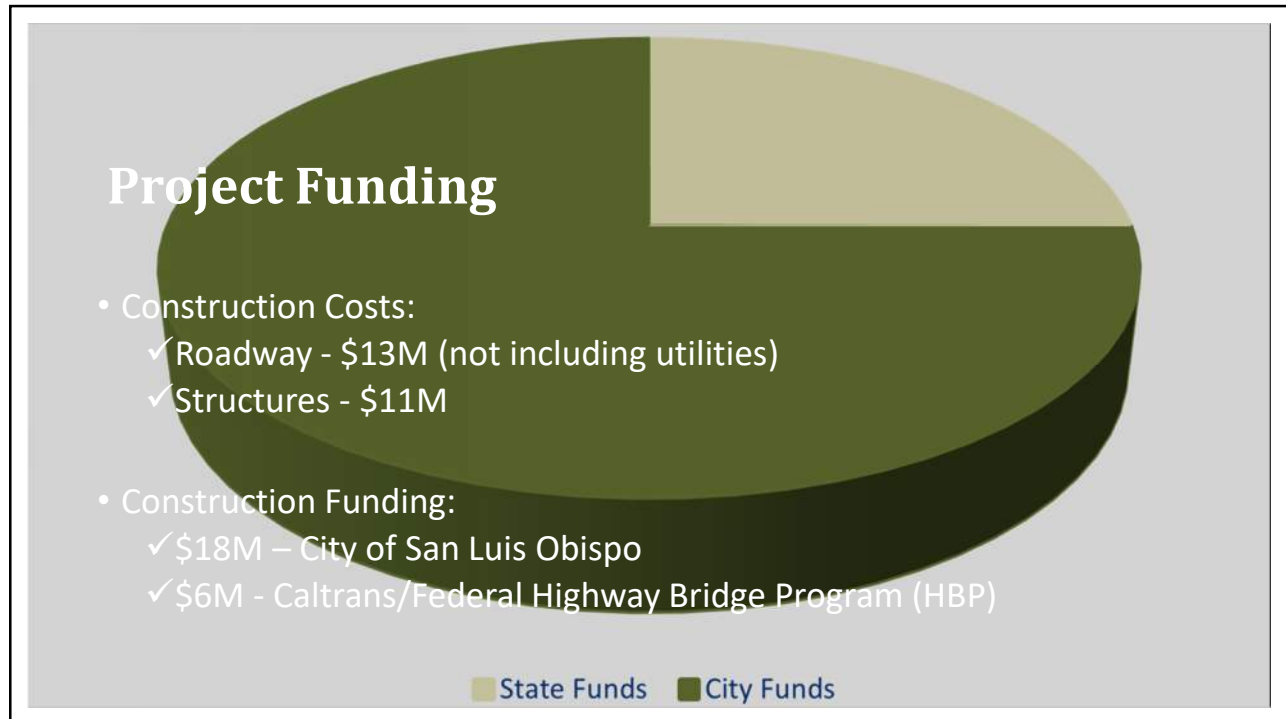
21

Project Schedule

- Key Drivers:
 - ✓ Permitting
 - ✓ Utilities
 - ✓ Right of Way
 - ✓ Caltrans
- City Council to authorize Construction
- Summer 2024 – Advertise for construction
- Fall 2026 – Construction complete




22




23

Concluding Summary



- Wider bridge for growth and multi-modal safety
- Increased channel opening improves creek flow
- Undergrounding of utilities for safety and aesthetics
- Temporary detour for safety and reduced construction time
- Environmental mitigations include measures for site, noise and planting



24



Bridging to the Future

PRADO ROAD BRIDGE

Replacement Project

**Please visit workstations for
more details from our experts**