



Supporting Documentation

Exhibits and Photos

Temescal Canyon Road Widening Project

Dawson Canyon and Dos Lagos Segments

County of Riverside • Transportation Department
3525 14th Street • Riverside, CA 92501
(951) 955-6800

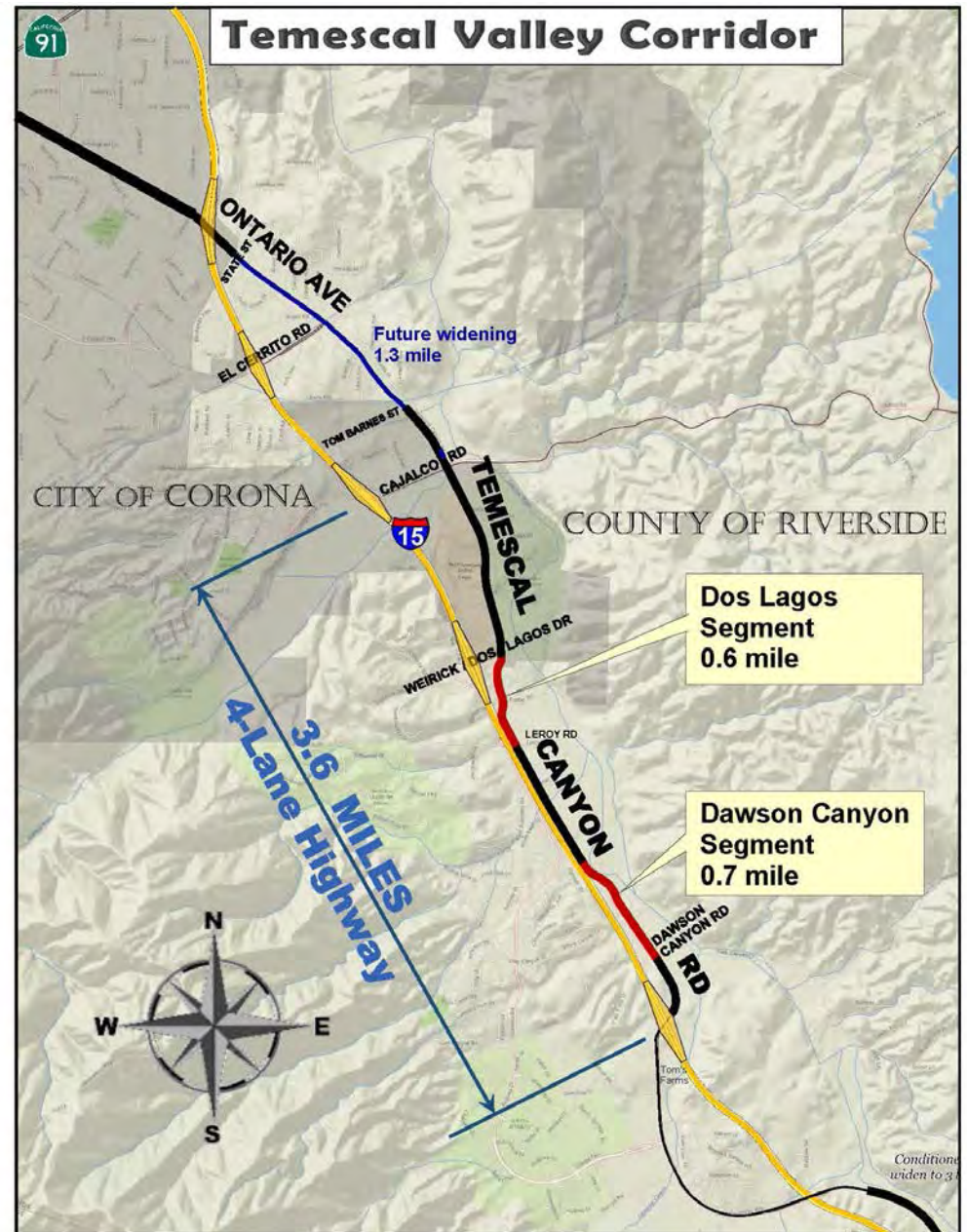


January 29, 2021
Outstanding Local Streets and Roads Project Awards Nomination

Location

Temescal Canyon Rd

- Temescal Valley corridor
- Between City of Corona and City of Lake Elsinore
- South of 91 Freeway
- Parallel to Interstate 15
- Existing 2-lane rural road
- Widened roadway creates 3.6 miles of 4-lane highway



Existing Congestion

Interstate 15 congestion overflow onto Temescal Canyon Road

MORNING PEAK HOUR with commuters and parents

- Parents complained of 60-minute round trips to drop off children at school

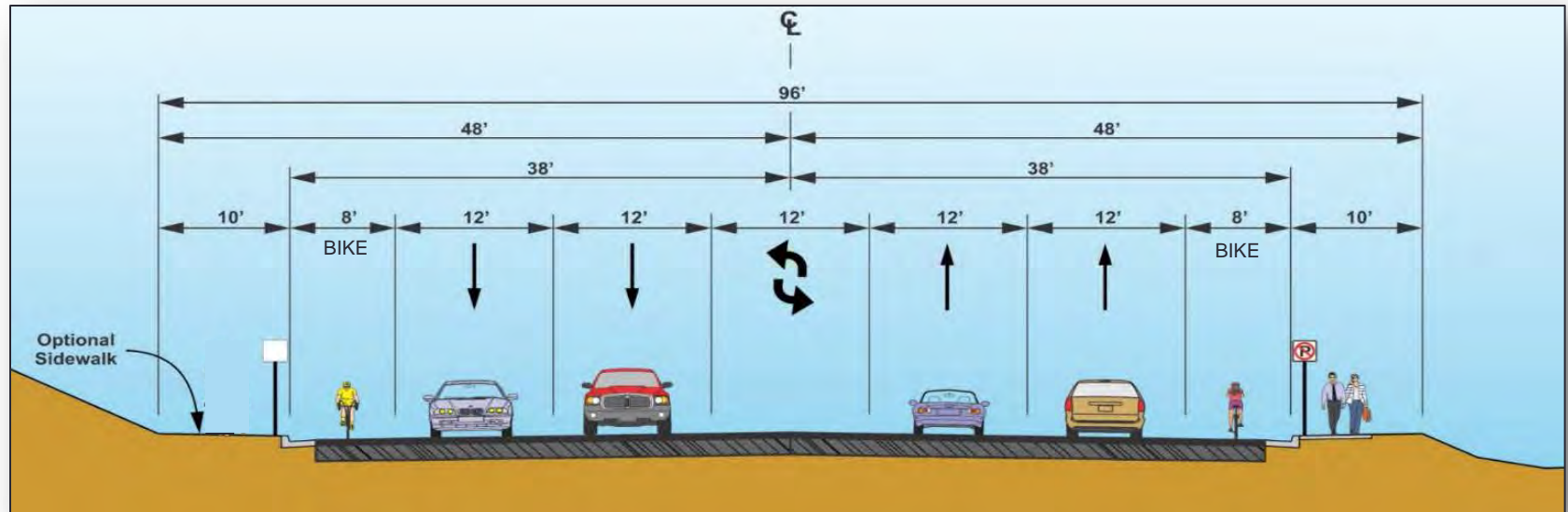








SCOPE: Widening from 2-lane road to 4-lane highway



Project Features

- Two 12-foot lanes in each direction
- One 8-foot bike lane in each direction with no on-street parking
- 12-foot center two-way left turn lane
- Curb and gutter on both sides
- 6-foot sidewalk and street lights within developed areas

CHALLENGES



- ❖ Right-of-way acquisition
- ❖ Environmental
- ❖ Multiple Project Coordination
- ❖ Traffic Control
- ❖ Utility relocations at storm drain crossings
- ❖ Funding

CHALLENGES

Right of Way Acquisition

- \$5 million budget for right-of-way activities
- Permanent road easements, drainage easements and temporary construction easements
- 1 full take of vacant parcel
- 26 property owners
- Board Supervisor supported condemnation due to the urgent need for the project



CHALLENGES

Environmental

- Oak tree removal mitigation
 - 19 oak trees removed
 - Mitigation - offsite tree plantings for 10 years
 - \$80,000
- Impacts to riparian habitat
 - 0.62 acres x 4 replacement ratio = 2.48 acres
 - Purchase credits from mitigation bank - \$657,000
- California Department of Fish and Wildlife, Sect. 1602 permit
- State Water Resources Control Board, 402 Water Quality Cert.
- Archeological, tribal, biological monitoring

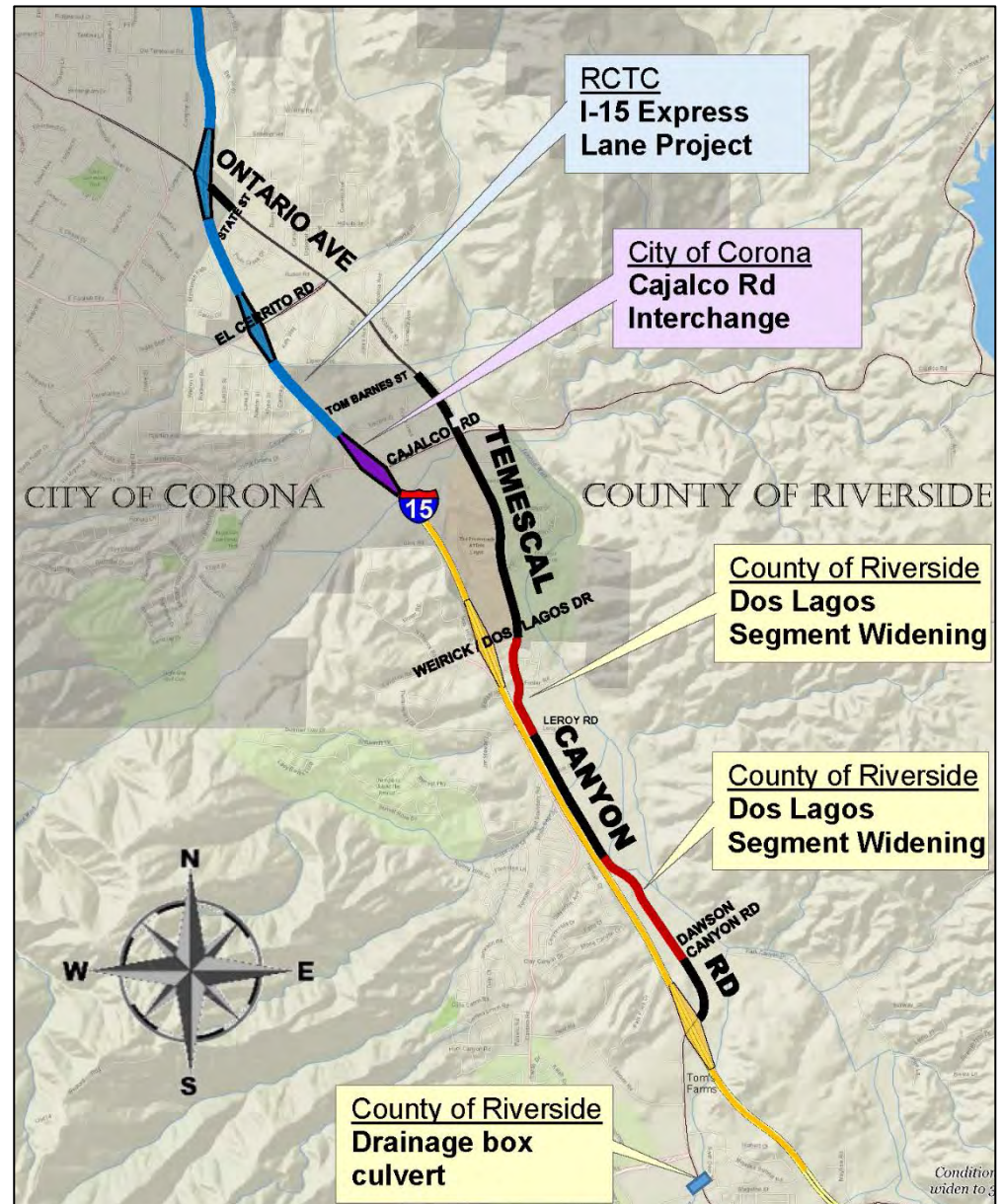




CHALLENGES

Multiple Project Coordination

- Cajalco Road Interchange expansion
 - I-15 Express Lanes project
 - Drainage box culvert
-
- ❖ Public outreach consultant
 - ❖ Stakeholder meetings



CHALLENGES

Traffic Control



- Night and weekends available for contractor to work
- No construction activities that would impede traffic during peak morning and afternoon commutes (lane closures, moving equipment, deliveries)
 - MORNING 4:30am – 9:00am
 - AFTERNOON 4:00pm – 6:00pm
- Multiple Concurrent Projects

CHALLENGES

Utilities Relocations at Storm Drain Crossings

- 9 different underground utilities at any location in the street
- Replacement culvert crossings require utilities go under storm drain pipe
- Repeated discovery of unidentified utilities
 - **THE major impact to the project schedule and change orders**
- Utility companies
 - SCE – major pole relocations
 - 3 Water Districts – lower crossings ... **by County contractor**
 - So Cal Gas – no shutdown during winter
 - Sewer brine line
 - Communications

May 20, 2019 at 2:59:59 PM





Mar 30, 2019 at 12:58:53 PM



CHALLENGES Hillside Grading

- Curve radius enlargement
- Sight distance improvement
- Storms - erosion











Mar 28, 2019 at 9:40:38 AM



Mar 28, 2019 at 9:38:33 AM



Mar 25, 2020 at 7:55:37 AM





STORM TRACK

ROAD WASHED AWAY

CORONA



#abc7eyewitness 5:32 53°

CHALLENGES

Funding



- \$12.3 million** **Riverside County Transportation Commission (RCTC) – Measure A**
- \$ 7.3 million** **State – SB-1 Local Partnership Program (LPP)**
- \$ 3.0 million** **Western Riverside Council of Governments (WRCOG) – Transportation Uniform Mitigation Fund (TUMF)**
- \$ 2.7 million** **Riverside County – Ash Fees, Developer Impact Fees, Redevelopment Agency, Developer In-Lieu Funds, Community Fund**
- \$ 1.6 million** **Riverside County – Gas Tax/HUTA**
- \$ 1.3 million** **4 Water agencies reimbursements for relocations**
- \$28.2 million** **TOTAL** **NO FEDERAL FUNDS**

Construction Contract

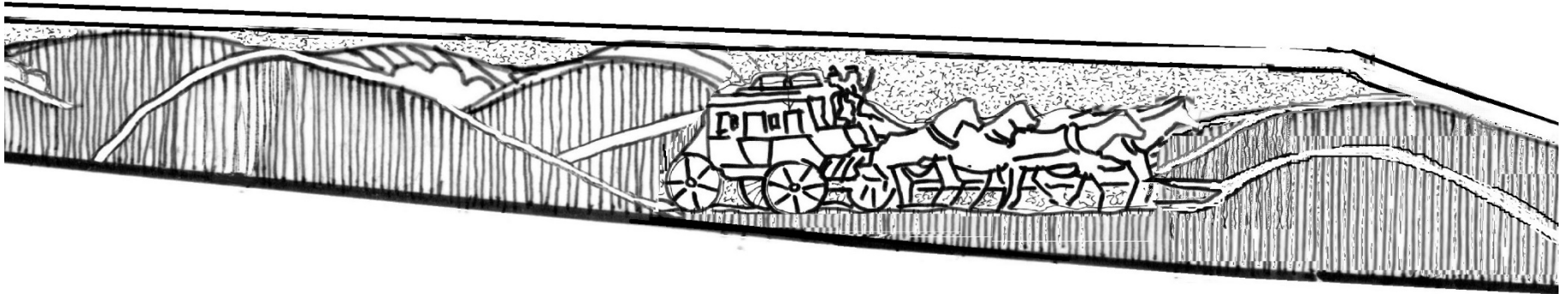


- **Contractor:** Beador Construction
- **Engineer's Estimate:** \$14.9 million
- **Low Bid:** \$13.7 million
- **Contract Quantity Overages:** \$1.4 million
- **Construction Start:** December 2018
- **Construction Completion:** July 2020
- **Construction Status:** 100% complete

DESIGN HIGHLIGHT

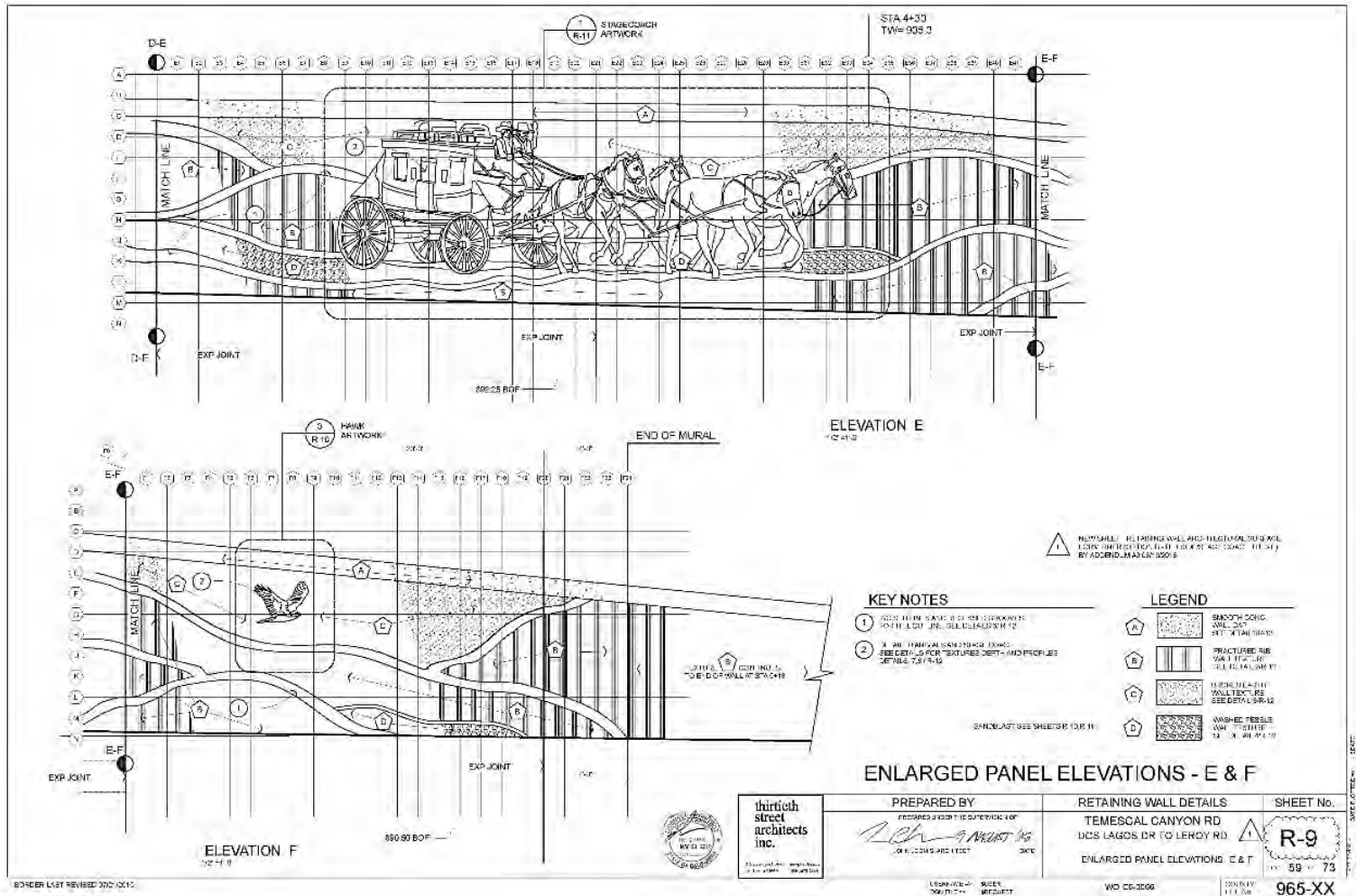
Retaining Wall Treatment

- 3 feet to 10 feet high
- 400 feet long
- Anti-graffiti
- Relief mural form liners



1850s Butterfield Overland Mail Stage Coach Route
Parallel with Temescal Canyon Road

Plan Development



ISSUED BY ADDENDUM No. 3, ATTACHMENT "G"

Form liner manufacturer's workshop

Creating designs on 24-foot long panels

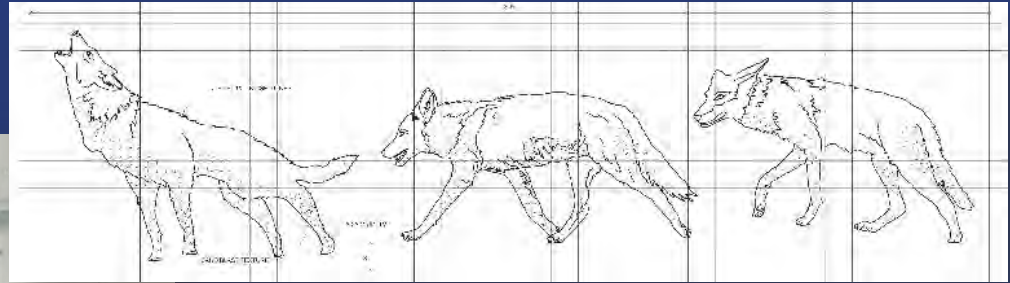


Developing artwork from clay

Stagecoach and horses

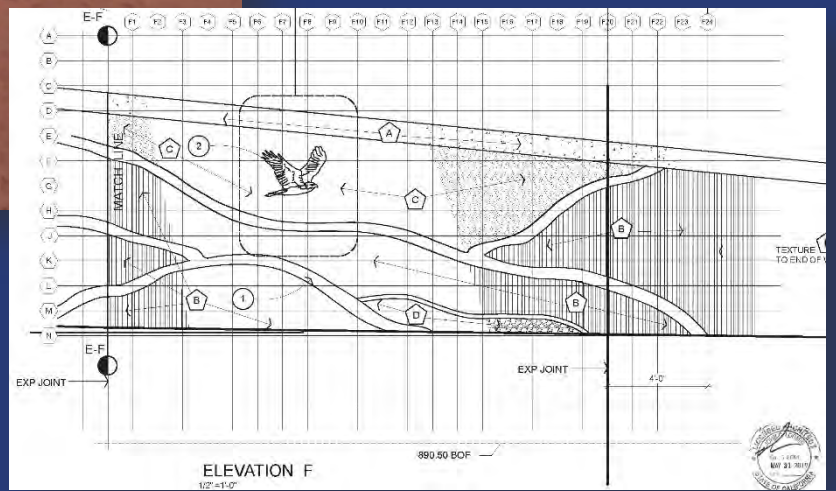


Coyotes





Hawk



Form liners delivered to the project site...



Polyurethane poured over artwork



WALL CONSTRUCTION ...







Progress ... detailed finishing yet to be performed



