Historical Context

- 1917 – Concrete arch bridge constructed.
- 2003/2004 – Concrete arch bridge deteriorated and was replaced with steel bridge (Pedestrian use only).
- 2013 – Condition assessment of steel bridge. **Recommendation**: Monitor, maintenance and repair as needed.
- 2018 – Condition assessment of steel bridge. **Recommendation**: Replace existing bridge.
- 2018/2019 – Retained engineering consultant for bridge replacement.
- 2018/2019 - Grant applications submitted: Active Transportation Program (Denied); CalOES HazMat Program (Denied); Department of Boating and Waterways (Considered – Not Funded).
- 7/2020 – Condition assessment of steel bridge (by Structural Eng.). **Recommendation**: Immediate closure of bridge.
- 7/2020 – Closed Pedestrian Bridge.

Mirada Rd Pedestrian Bridge

(1 of 8, Historical Context)

DEPARTMENT OF PUBLIC WORKS

Mirada Rd Pedestrian Bridge

(2 of 8, Existing Condition. Pics by County & Cornerstone Structural Engineers)

DEPARTMENT OF PUBLIC WORKS

Mirada Rd Pedestrian Bridge

(3 of 8, Existing Condition. Pics by County & Cornerstone Structural Engineers)

DEPARTMENT OF PUBLIC WORKS

Mirada Rd Pedestrian Bridge

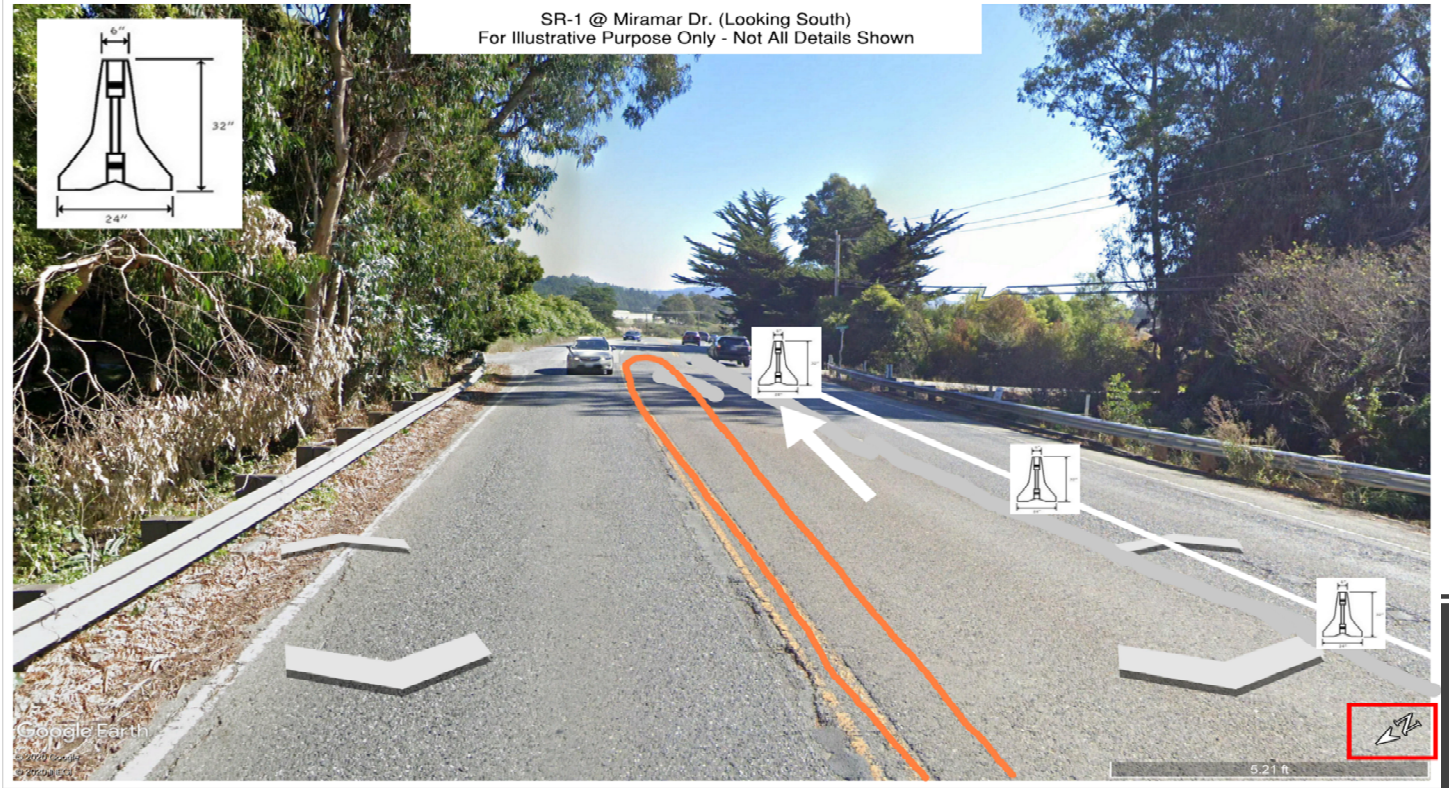
(4 of 8, Existing Condition. Pics by County & Cornerstone Structural Engineers)

DEPARTMENT OF PUBLIC WORKS

Mirada Rd Pedestrian Bridge

(5 of 8, Proposed Pedestrian Detour on SR-1)

DEPARTMENT OF PUBLIC WORKS



Mirada Rd Pedestrian Bridge

(6 of 8, Proposed Pedestrian Detour on SR-1)

DEPARTMENT OF PUBLIC WORKS

Project Status

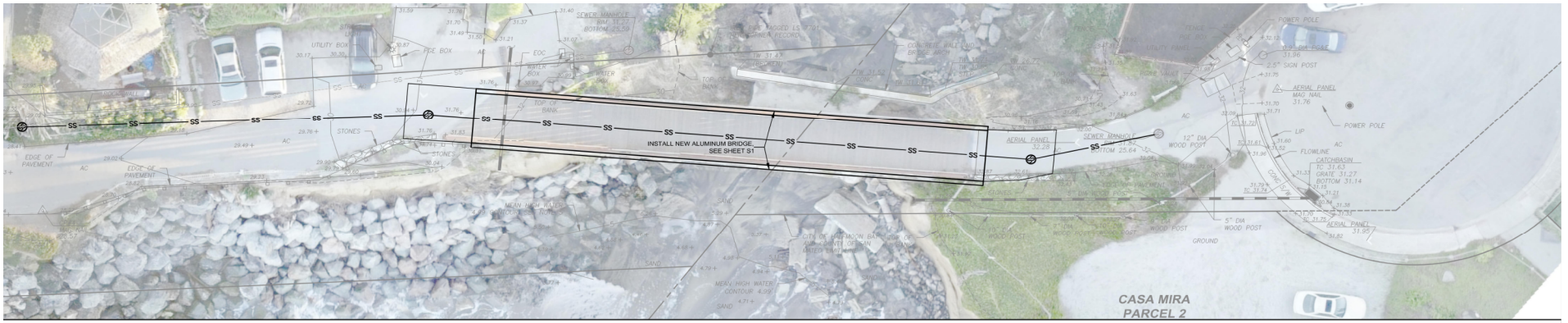
1. Design:
   a) 4 bridge options were evaluated: 1) single span steel with protective coatings; 2) concrete double span; 3) aluminum double-span; 4) aluminum single-span.
   b) Aluminum single-span was selected because of: 1) Light weight, 2) resistance to corrosion, 3) little to no maintenance required, 4) does not need mid-span pier support.
   c) Completed 65% design, June 2020.
   d) Permits submitted to regulatory agencies, June 2020.
   e) Anticipated 100% design by Dec 2020.

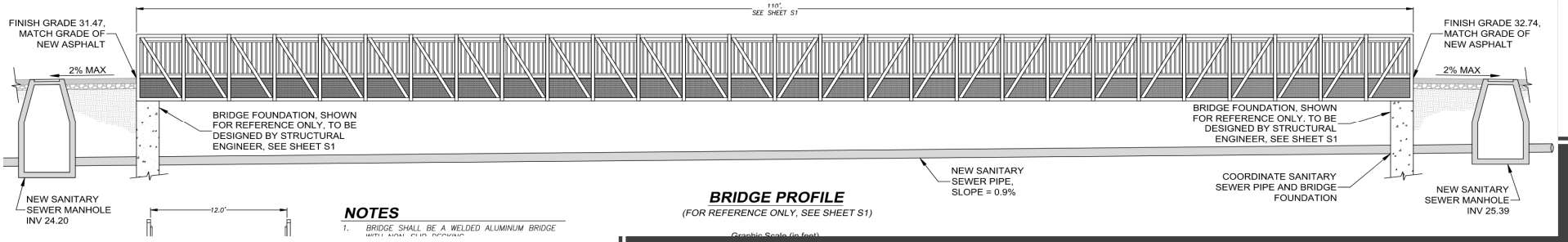
2. Construction:
   a) April 2021
      (permits dependent).
   b) 120 working days (est.)
      (bridge fabrication may extend construction window).

Mirada Rd Pedestrian Bridge

(7 of 8, Project Status)

DEPARTMENT OF PUBLIC WORKS

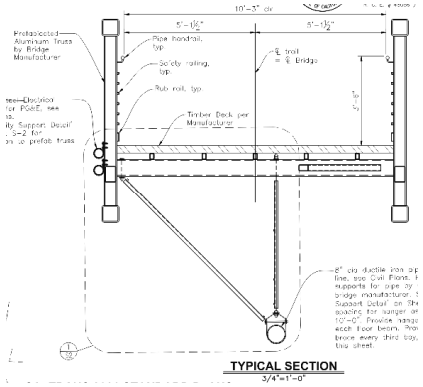




BRIDGE PROFILE
(FOR REFERENCE ONLY, SEE SHEET S1)

NOTES

1. BRIDGE SHALL BE A WELDED ALUMINUM BRIDGE



TYPICAL SECTION
3/4"=1'-0"

Mirada Rd Pedestrian Bridge

(8 of 8, New Pedestrian Bridge – 110' Single Span x 10' wide, Aluminum Bridge)

DEPARTMENT OF PUBLIC WORKS