



Staff Report

TO: City Council

FROM: Jeff Hart, Public Works Director

DATE March 16, 2021

SUBJECT: Second Street Extension (CIP 2019-009) Project Update and Direction

Background and Analysis:

On May 19, 2020, City Council awarded the preliminary design and final engineering contract for the Second Street Extension Project (Project) to Cozad & Fox, Inc. The Project would extend Second Street from the westerly boundary of the Home Depot shopping center to the projected intersection at Pennsylvania Avenue.

On January 12, 2021, Cozad & Fox, Inc. completed the preliminary design and provided a Preliminary Design Report (PDR). The preliminary design and PDR identified specific design constraints, environmental constraints, jurisdictional constraints, and preliminary costs. Below is a summary of the findings.

Design Constraints

The preliminary design of this Project addresses several design constraints. Some of those design constraints are listed below.

- The Project designed the intersection of Second Street and Pennsylvania Avenue to match the design of the Pennsylvania Street widening project,
- The construction of the Beaumont Master Drainage Facility Line 2 project will significantly reduce flows through two natural channels. Subsequently, the Project designed a proposed culvert to the reduced flow, reducing the cost of the Project,
- An existing culvert crossing occurs west of the Home Depot shopping center. The typical section of Second

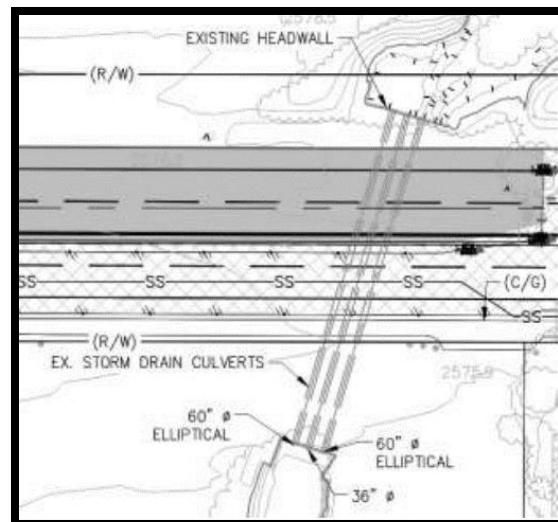


Figure 1 - Existing Culvert

Street was modified to stay within the existing limits of the culvert crossing, reducing the cost of the Project. Refer to Figure 1 for reference, and

- The proposed modified section of Second Street will construct half-width improvements along the south portion and provide two lanes plus a shoulder on the north portion. As development occurs along the north portion, Second Street will be developed to its ultimate section. Refer to Figure 1 for the modified typical section.

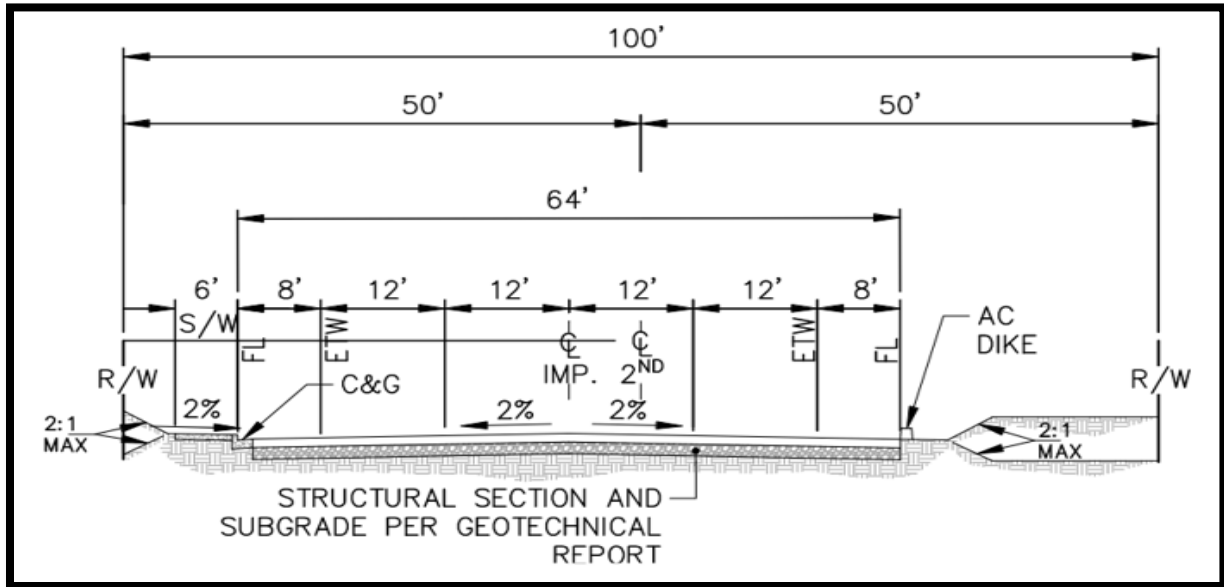


Figure 2 - Second Street Modified Typical Section

- The Project was design to complete the existing improvements and provide a seamless transition. Refer to Figure 2 for existing improvements,
- The terrain along the proposed alignment is considered rolling with several small hills and valleys. The Project is designed to minimize earthwork while maintain safe and comfortable profile, and

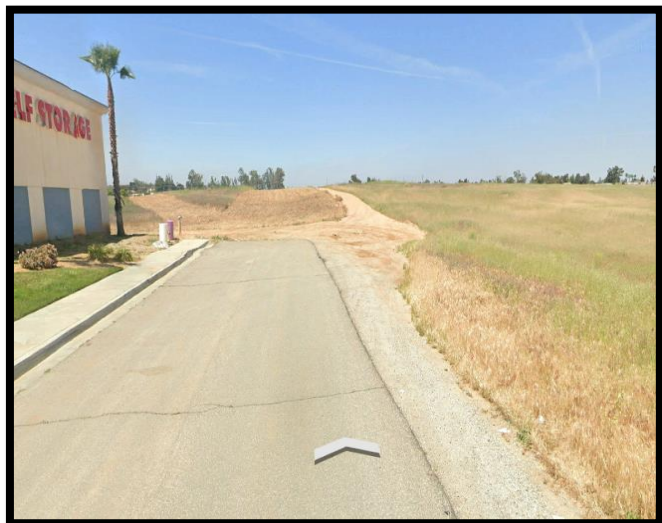


Figure 3 - Second Street @ Terminous (looking west)

- The PDR identified that approximately 575 feet of right-of-way, from a single owner, is needed to complete the project.

Environmental Constraints

The main environmental constraints associated with the project are due to laws and regulations that exist to halt the rapid loss of plant and animal life.

Searl Biological Services conducted biological field assessments for the project on July 20 and 29, 2020. The method utilized was to obtain the right-of-way delineation, create a 100 foot Jurisdiction Delineation (JD)/Narrow Endemic Plants (NEPS) survey buffer, and create a 500 foot Burrowing Owl (BUOW)/Riparian Birds survey buffer. Refer to Figure 4 for limits.

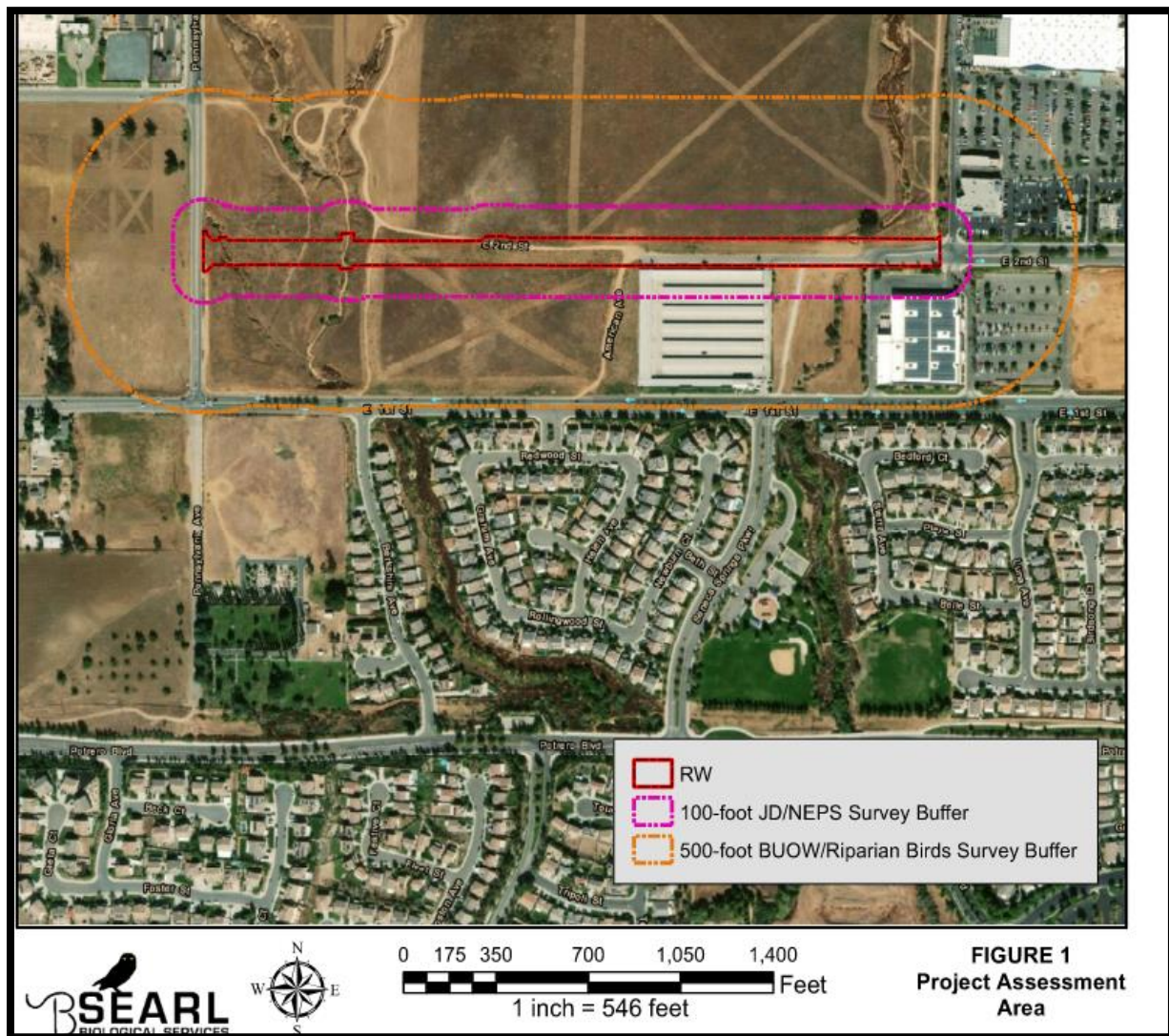


Figure 4 - Limits of Biological Study

The following are the animal and plant species identified within the project buffer as existing or having suitable habitat:

- Least Bell's Vireo,
- Southwestern Willow Flycatcher, and
- Burrowing Owl.

Narrow Endemic plants, Vernal Pools, and Fairy Shrimp habitat were not detected.

Jurisdictional Constraints

There are jurisdictional delineations from four authorities. The four public authorities are listed below.

- United States Army Corps of Engineers (USACE),
 - Section 404 Clean Water Act (CWA), this section of the Act requires permits for the discharge of dredged or fill material into the waters of the United States, which includes wetlands.
- State and Regional Water Quality Control Board (SWQCB),
 - Section 401 CWA /Porter-Cologne Act, the program is responsible for regulating discharges of dredged or fill material to the waters of the state.
- California Department Fish and Wildlife (CDFW), and
 - 1600 streambeds, Fish and Game Code section 1602 “requires any person, state, or local governmental agency or public utility to notify CDFW prior to beginning any activity that may do one or more of the following: divert or obstruct the natural flow of any river, stream or lake; change the bed, channel, or bank of any river, stream, or lake; use material from any river, stream or lake; or deposit or dispose of material into any river, stream, or lake.”
- Western Riverside County Regional Conservation Authority (WR-MSHCP).
 - This conservation authority was established in 2004 to protect, restore and enhance habitats for the conservation of 146 species. It protects a 500,000-acre habitat and is the nation’s largest habitat conservation plan. The MSHCP improves sustainability and the quality of life in Western Riverside County by alleviating traffic congestions, protecting natural resources, and improving air quality.

Preliminary Cost Estimate

The Project has an estimated construction cost of \$1.88 million. The cost estimate includes construction cost for street improvements, erosion and sediment control, right-of-way, drainage, and excavation. The total estimated construction costs including a 20% contingency, which is appropriate at the conceptual design phase, and mobilization

is \$2.47 million. For the complete construction cost estimate refer to the PDR, Appendix E. The Project has a future budget of \$5,000,000 from the Road and Bridge DIF per the approved CIP project list.

Cozad & Fox, Inc.'s contract consists of two phases, preliminary design and final engineering. The first phase is complete. The second phase would consist of completing necessary CEQA environmental studies, regulatory compliance documents and the production of construction plan drawings. The phased approach allows City Council to terminate this project at any phase should the cost estimates exceed funds available. Therefore, City staff is seeking direction on whether to proceed with final engineering.

Fiscal Impact:

The cost for final engineering is included in the current contract with Cozad & Fox, Inc. The cost associated with Phase 1 per the contract is \$48,324, while the cost to undertake and complete Phase 2 is \$151,591 for a total contract price of \$199,915. Should direction to proceed with final engineering be given, there would be no additional fiscal impact.

The estimated cost to prepare this staff report is approximately \$1,000.

Recommended Action:

Receive and file the Second Street Extension (CIP 2019-009) Project update,
and
Provide staff direction on whether to proceed with final engineering.

Attachments:

A. Preliminary Design Report by Cozad & Fox, Inc.