



CITY OF PERRIS

CITY COUNCIL

AGENDA SUBMITTAL

MEETING DATE: February 27, 2024

SUBJECT: Ellis Avenue/Evans Road Extension and I-215 Interchange Feasibility Study

REQUESTED ACTION: Receive and File the Ellis Avenue/Evans Road Extension Project Feasibility Study; and Direct Staff as to Whether to Proceed with Subsequent Project Approval and Environmental Document (PA&ED) and Design Phases, as Funding Becomes Available

CONTACT: John Pourkazemi, City Engineer

BACKGROUND/DISCUSSION:

On May 9, 2023, City Council approved the Professional Services Agreement with EXP US Services to perform the Ellis Avenue/Evans Road Extension and I-215 Interchange Feasibility Study (Study).

The funding for the Study was provided by a \$1.5M contribution from IDI Logistics, LLC pursuant to their Conditions of Approval of their "South Perris Industrial North" development located at the northeast corner of Ellis Avenue and Redlands Avenue.

The purpose of the Study is because currently the General Plan shows an extension of Ellis Avenue from west of I-215 connecting to San Jacinto Avenue at Evans Road, with a proposed Interchange at I-215.

And at this time, the City's existing roadway infrastructure does not accommodate a direct connection from the easterly terminus of Ellis Avenue (west of I-215) over I-215 to San Jacinto Avenue. As a result, traffic is forced to travel a longer distance on indirect routes to nearby interchanges for a connection between Ellis Avenue and San Jacinto Avenue. A direct connection of Ellis Avenue to San Jacinto Avenue is necessary to improve the City's and Region's overall traffic circulation and connectivity, and would distribute and balance traffic flows on various corridors throughout the City and significantly improve Level of Service (LOS) for multiple nearby intersections and roadway segments.

The Study analyzed 4 separate alternatives crossings at I-215 for Ellis Avenue/Evans Road extension/connection. Alternative 2 has two separate alignments north of I-215 (Alternatives 2A & 2B) and both of these alternatives utilize the same I-215 overcrossing location. Each alternative was developed with consideration of the project's purpose and need, design standards, safety, environmental impacts, traffic, right-of-way, and cost. The table below is a summary of each alternative's cost estimate:

COST ESTIMATE	
ALTERNATIVE	CAPITAL COST
1 – Interchange at PM 25.2	\$78,056,000
2A – Overcrossing at PM 25.4 with intersection of Evans Road and San Jacinto Avenue, west of PVSD	\$55,920,000
2B – Overcrossing at PM 25.4 with intersection of Evans Road and San Jacinto Avenue across from Murrieta Rd	\$60,824,000
3 – Interchange at PM 25.0	\$100,770,000
4 – Interchange at PM 24.6	\$111,205,000

The Study recommends that Alternative 2 (overcrossing Alternatives 2A or 2B) be considered and approved based on the following advantages:

- Preserves the dedicated conservation land.
- Provides most flexibility with planned development of the parcel north of I-215, south of San Jacinto Avenue, and west of the PSVD Channel.
- Has less environmental impact than other alternatives.
- Has Caltrans approval for following the Quality Management Assessment Process (QMAP) Design Engineering Evaluation Report (DEER) process for the Project. The PA&ED and PS&E phases can be performed concurrently and will not require preparation of a PID (PSR/PDS), resulting in cost savings to the City.
- Shortest schedule to complete the environmental and design phases concurrently.
- Requires least amount of right-of-way among all alternatives.
- Requires only one bridge for the entire length of the Project.
- Does not impact San Jacinto River or Perris Valley Storm Drain Channel (avoids environmentally sensitive areas).
- Has the shortest overall length.
- Has the lowest construction costs.

EXP US Services presented the findings and recommendations of this Study to the Public Works Committee on January 17th, 2024. At this meeting, the Committee requested that the development community be allowed to review the Study and provide comments to the City. No comments from the development community were received.

Staff recommends that City Council receives and files the Ellis Avenue/Evans Road Extension Project Feasibility Study; and Direct Staff as to whether to proceed with subsequent phases of project approval and Environmental Document (PA&ED) and Design phases, as funding becomes available.

BUDGET (or FISCAL) IMPACT:

There is no impact to the General Fund. The Feasibility Study was fully funded by External Developer Contributions.

Prepared by: Brad Brophy, Assistant City Engineer

REVIEWED BY:

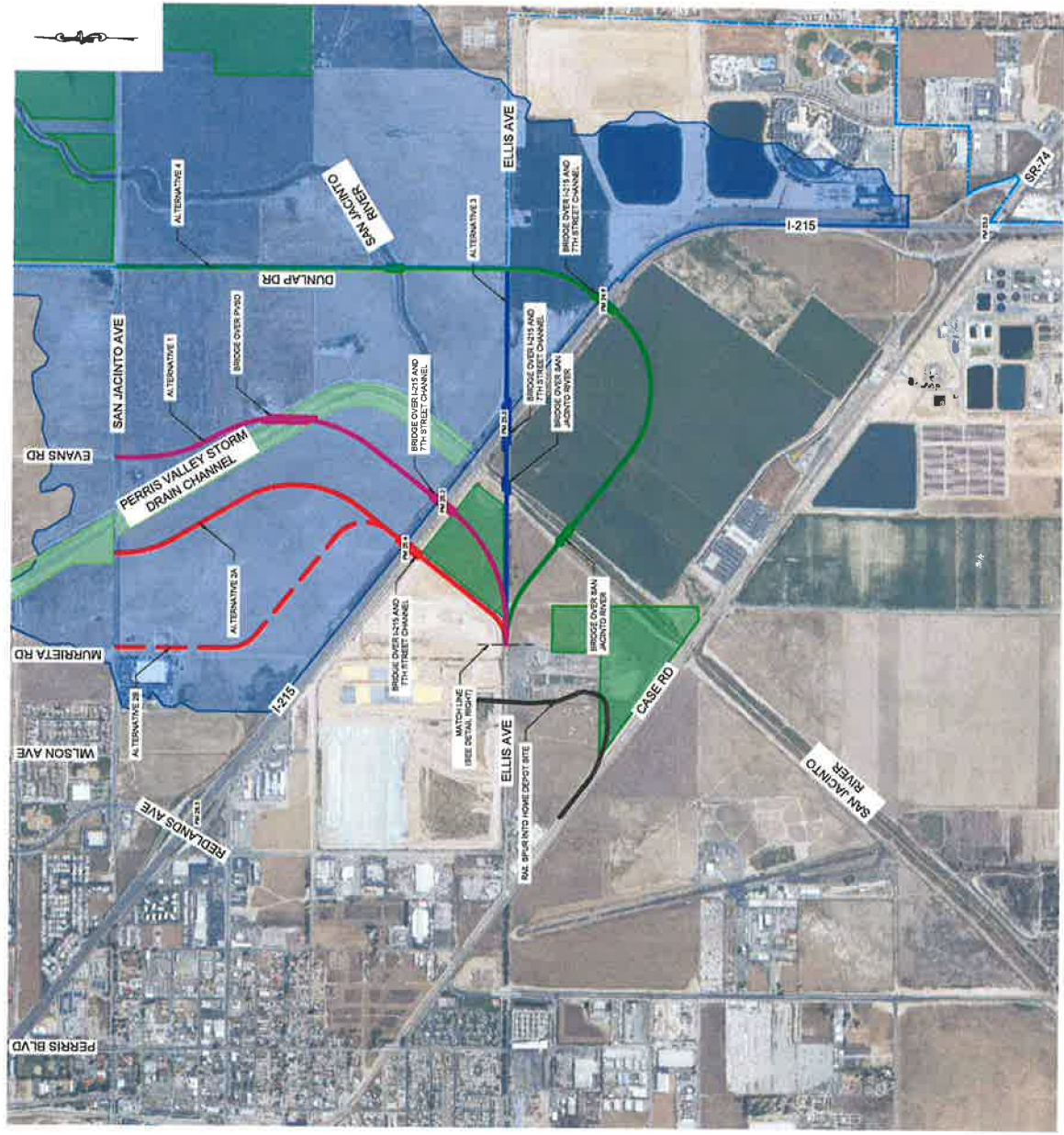
City Attorney _____
Assistant City Manager _____
Deputy City Manager _____

- Attachment:
1. Feasibility Study Alternatives Map
 2. Exhibit of City's approved Specific Plans and alignment alternatives
 3. May 9, 2023 Council Agenda Item for Professional Services Agreement with EXP US Services
 4. Ellis Avenue/Evans Road Extension Feasibility Study-Due to the size of the attachment it is available at this link:
<https://www.cityofperris.org/government/city-council/council-meetings>

Consent:
Public Hearing:
Business Item: X
Other:

Attachment 1

Ellis Avenue / Evans Road Extension – Feasibility Study
Feasibility Study Alternatives Map



PROJECT ALTERNATIVES

ALTERNATIVE 1

- ELIGIBLE FOR INTERCHANGE OR OVERCROSSING (1.1 MILES FROM REDLANDS AVE & 1.7 MILES FROM SR-74)
- 55 MPH DESIGN SPEED
- PERPENDICULAR CROSSING AT I-215, 7TH STREET CHANNEL, SKEWED CROSSING AT PVSD
- CROSSES DEDICATED CONSERVATION LAND

ALTERNATIVE 2A

- ELIGIBLE FOR OVERCROSSING ONLY (0.9 MILES FROM REDLANDS AVE & 1.9 MILES FROM SR-74)
- 30 MPH DESIGN SPEED AT ELLIS AVENUE (TO AVOID CONSERVATION LAND); 50 MPH ELSEWHERE
- PERPENDICULAR CROSSING AT I-215 AND 7TH STREET CHANNEL

ALTERNATIVE 2B

- ELIGIBLE FOR OVERCROSSING ONLY (0.9 MILES FROM REDLANDS AVE & 1.9 MILES FROM SR-74)
- 30 MPH DESIGN SPEED AT ELLIS AVENUE (TO AVOID CONSERVATION LAND); 50 MPH ELSEWHERE
- PERPENDICULAR CROSSING AT I-215 AND 7TH STREET CHANNEL
- INTERSECTS SAN JACINTO ROAD ACROSS FROM MURRIETA ROAD

ALTERNATIVE 3

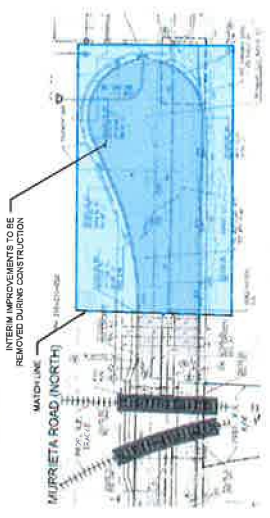
- ELIGIBLE FOR INTERCHANGE OR OVERCROSSING (1.3 MILES FROM REDLANDS AVE & 1.5 MILES FROM SR-74)
- DESIGN SPEED AT CITY'S DISCRETION (TANGENT ALIGNMENT)
- SKEWED CROSSING AT I-215, 7TH STREET CHANNEL, AND SAN JACINTO RIVER

ALTERNATIVE 4

- ELIGIBLE FOR INTERCHANGE OR OVERCROSSING (1.7 MILES FROM REDLANDS AVE & 1.1 MILES FROM SR-74)
- 50 MPH DESIGN SPEED
- PERPENDICULAR CROSSING AT I-215, 7TH STREET CHANNEL, AND SAN JACINTO RIVER

LEGEND

- CITY OF PERRIS BOUNDARY
- SHALLOW POND AREA
- RCA CONSERVED ADDITIONAL RESERVE LANDS
- RCA CONSERVED QUASH-PUBLIC LANDS

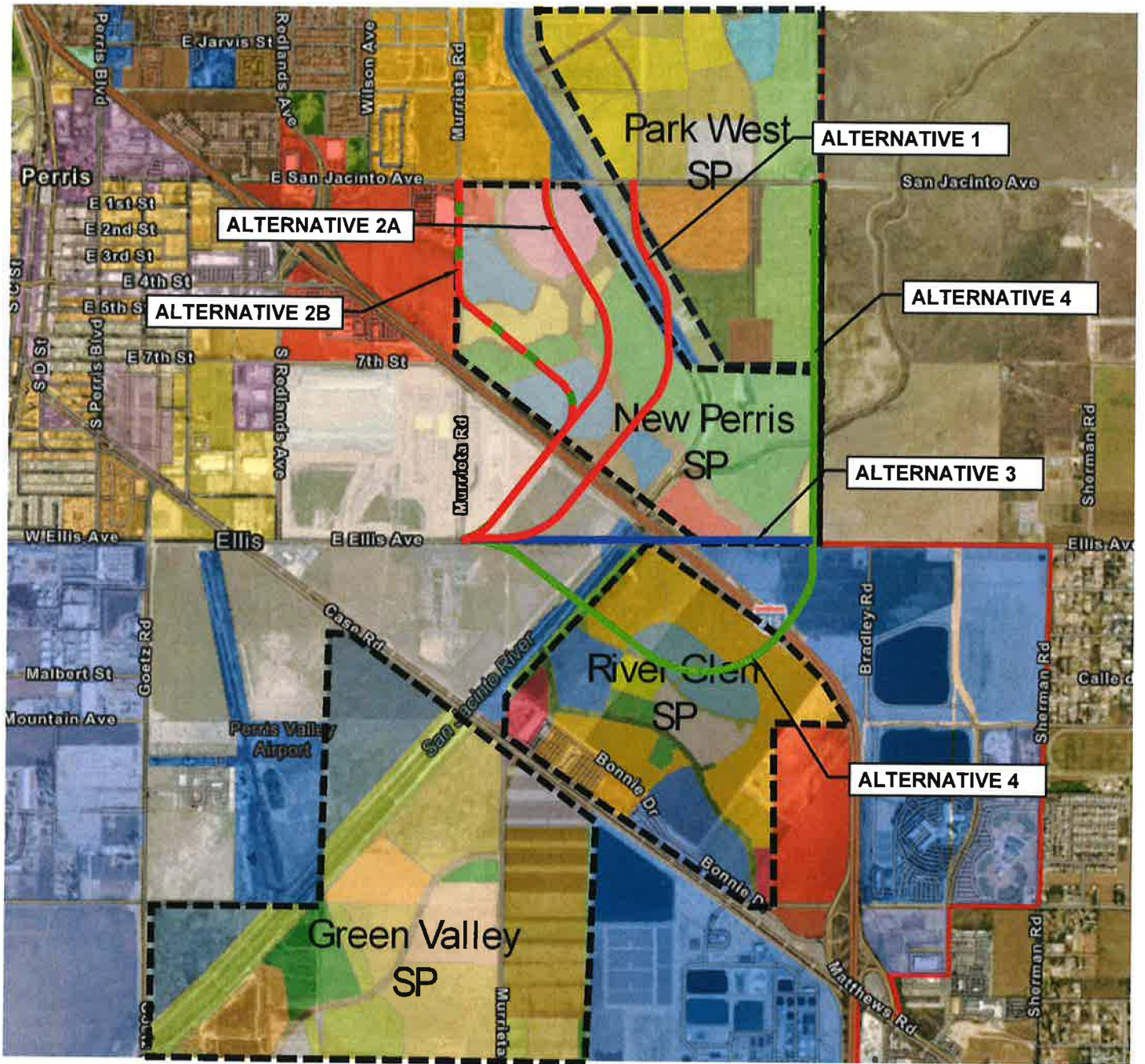


MATCH LINE DETAIL

DESIGN PROVIDED BY ALBERT A WEBB ASSOCIATES
 ELLIS AVENUE FEASIBILITY STUDY
 PROJECT ALTERNATIVES

Attachment 2

Ellis Avenue / Evans Road Extension
Map of City's Approved Specific Plans including the Alternatives



Attachment 3

Ellis Avenue / Evans Road Extension – Feasibility Study
May 9, 2023 City Council Item 10D