



RIVERSIDE
COUNTY
TRANSPORTATION
COMMISSION

I-10 HIGHLAND SPRINGS AVENUE INTERCHANGE PROJECT

Beaumont City Council Meeting

June 17, 2025

David Lewis, RCTC Capital Projects Manager

Darin Johnson, Mark Thomas Project Manager



Overview

- RCTC/Cities conducting engineering/environmental studies
- Improve safety, traffic flow
- High traffic volumes
- Main link to Banning & Beaumont



Background

- Project Study Report approved in December 2021
- 2 hook ramps and 2 diverging diamond interchange (DDI) options were evaluated in PSR
- Preliminary engineering and environmental phase commenced in October 2022
- Coordination with Caltrans on technical studies and engineering plans



Project Summary

- Several alternatives have been removed from further consideration over the last 2 years
 - DDI's removed in January 2024 – design life failure
 - Hook Ramps removed in 2025 – geometric/operations concerns
- Caltrans requested new alternatives be developed and evaluated in 2024
- Proceeding with build Alternative 5 - 2025





Anticipated Schedule

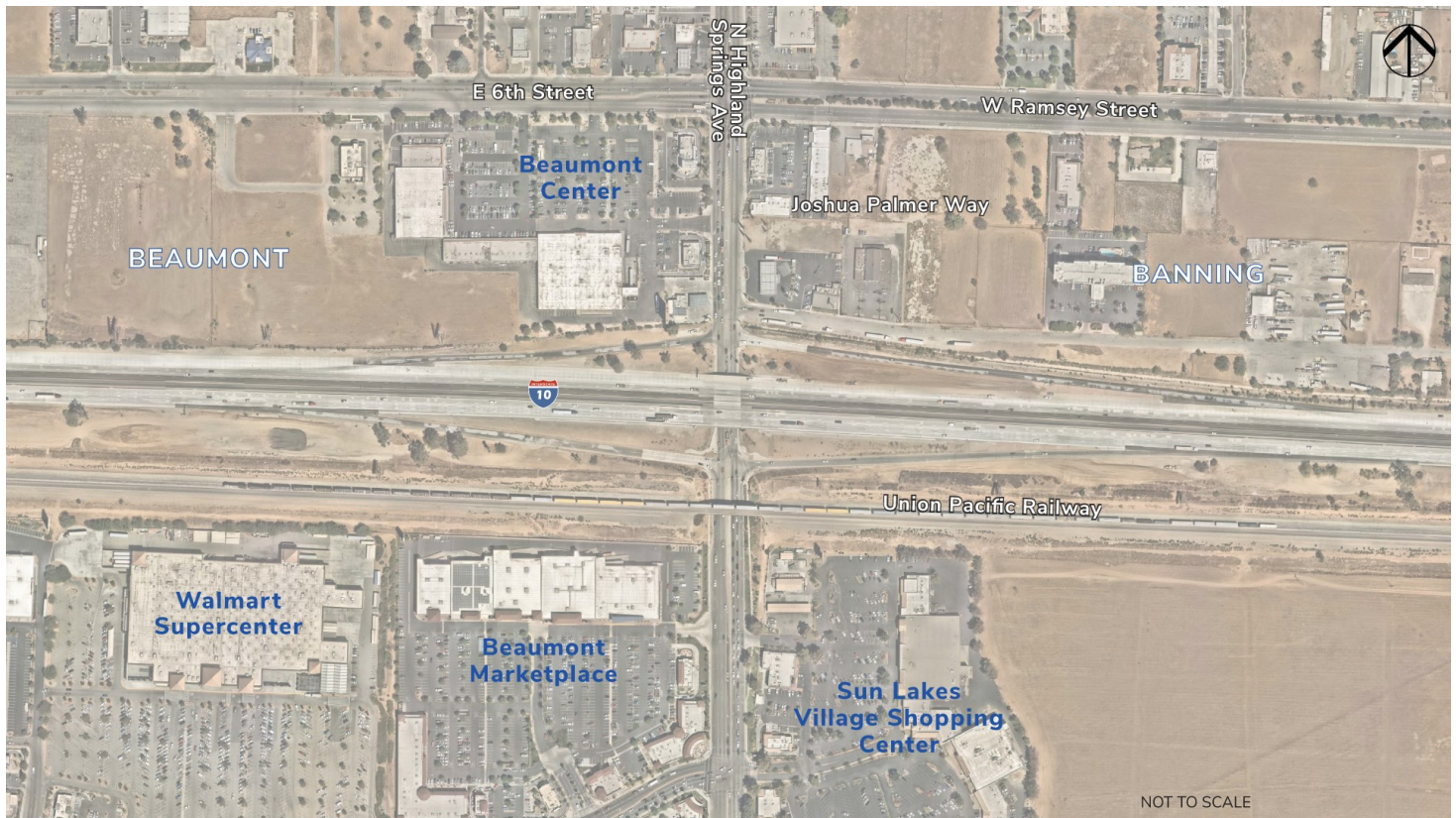


Schedule dates subject to change

* If funding can be secured



Interstate 10
**HIGHLAND SPRINGS
INTERCHANGE**



Alternative 1 - No Build/Existing Conditions

Initial Design Options Studied

1. No Build
2. Hook Ramps:
 - Option A
 - Option B
3. Diverging Diamond Interchange with crossover before UP Railroad
4. Diverging Diamond Interchange with crossover after UP Railroad

Options 2, 3, 4 include merging lanes on eastbound, westbound I-10



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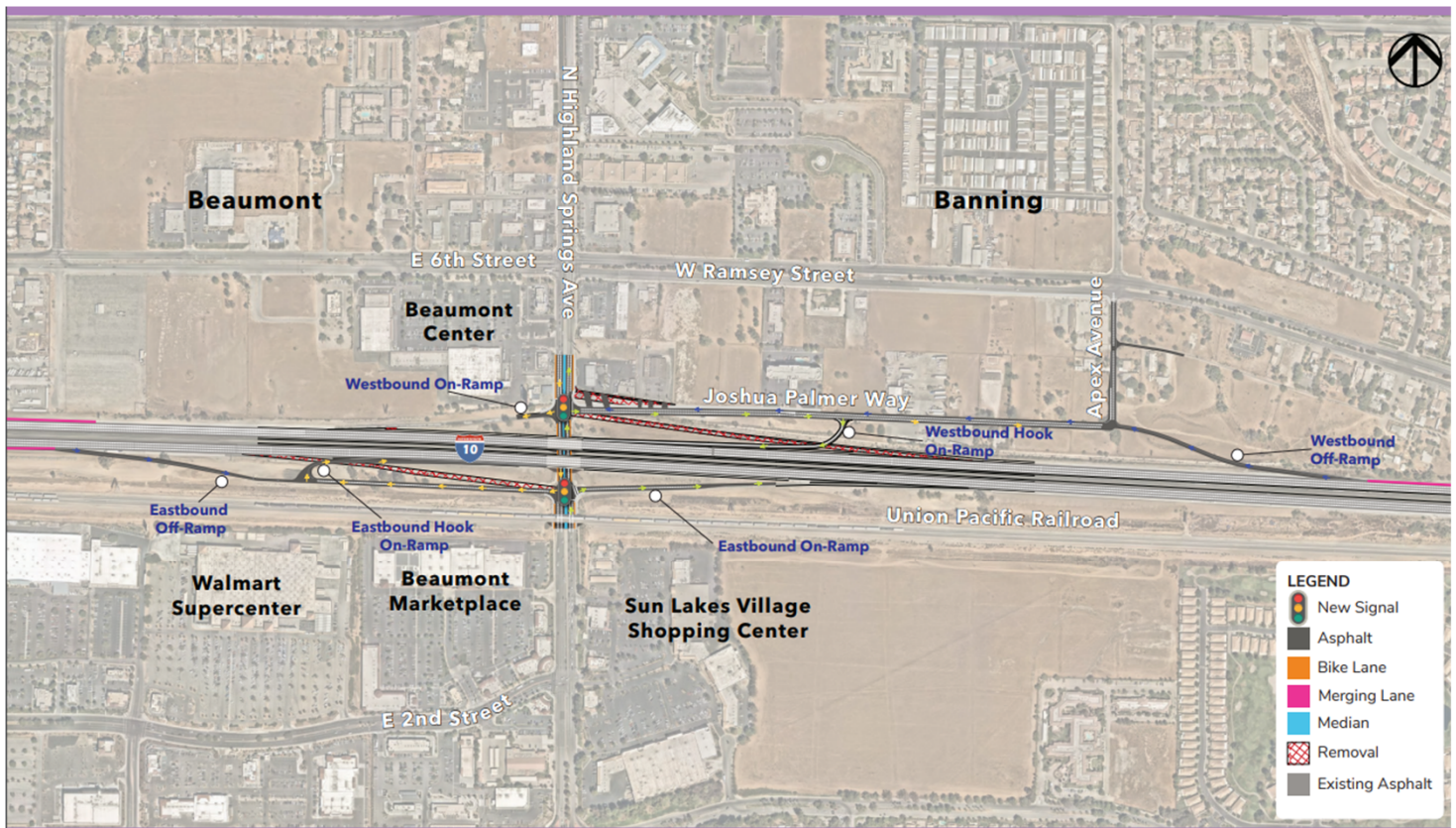
Alternative 3 & 4 - Diverging Diamond Interchange (DDI)

Diverging Diamond Alternatives – Removed From Further Consideration

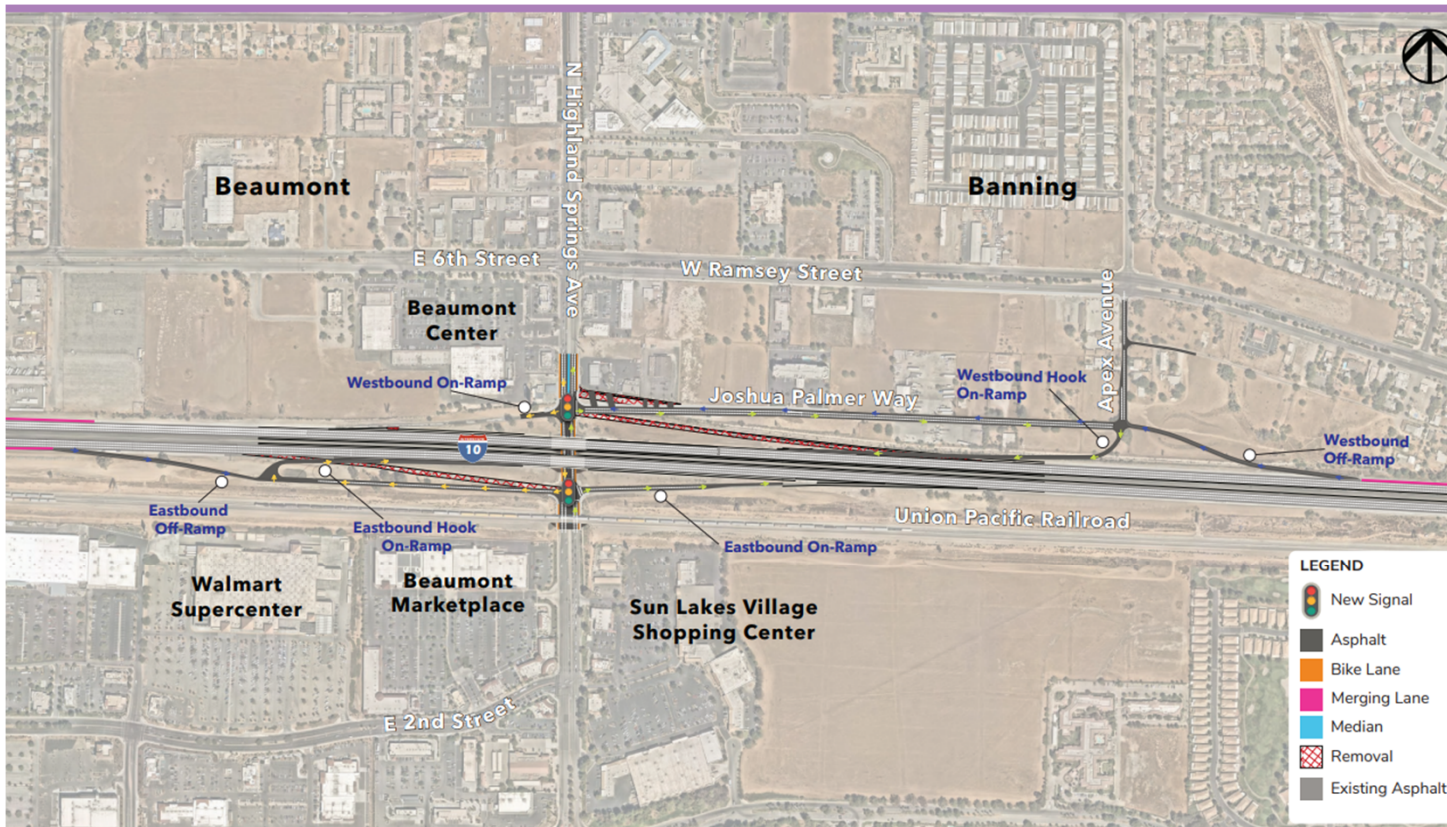
1. Do not meet the Project Purpose & Need due to the following
 1. Provides a useful operating lifespan of less than 5 years beyond opening year
 2. Requires closure of multiple private parcel driveways on Highland Springs Avenue
 3. Requires substantial right of way acquisition including full acquisition of Highland Fuel Station
2. Removed during January 23, 2024 PDT Meeting



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Alternative 2A - Hook Ramps



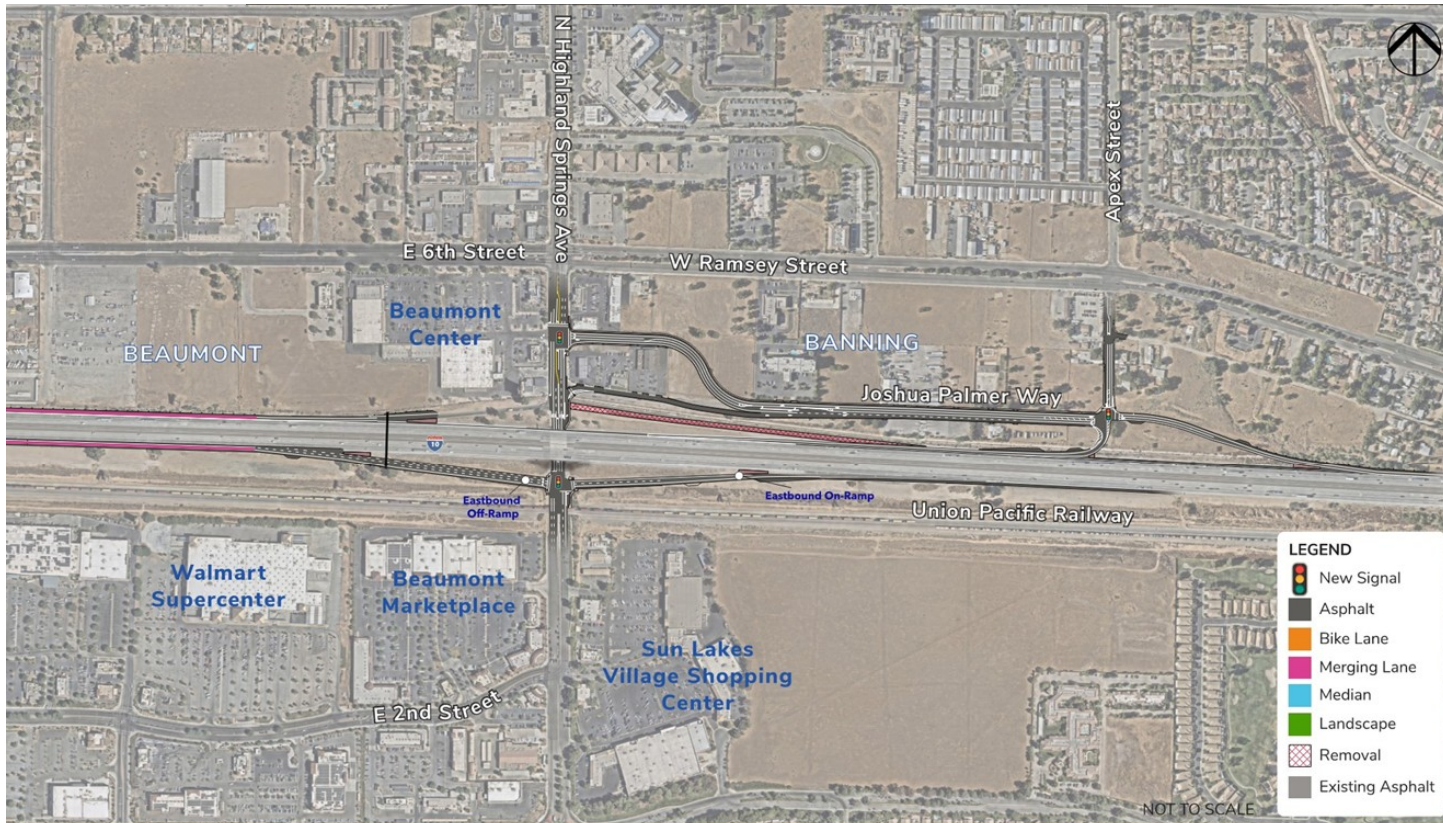
Alternative 2B - Hook Ramps

Hook Ramp Alternatives – Removed From Further Consideration

1. Removed during May 28, 2025 Caltrans Meeting due to the following
 1. Operations of the Joshua Palmer Way/Highland Springs intersection
 2. Long EB Off-Ramp
 3. Geometric deficiencies with EB Hook On-Ramp
2. Formal removal will occur during June 24, 2025 PDT Meeting



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Alternative 5 - Joshua Palmer Realignment

Alternative Options

1. Initiated in December 2024 Caltrans Meeting
2. Caltrans wanted to provide other potential options that would provide improved operations for the system.
3. Caltrans Concerns/Suggestions
 1. Convert Joshua Palmer Way to a right-in/right-out intersection
 2. Eliminate the SB Highland Springs left turn at Joshua Palmer Way
 3. Realign a portion of Joshua Palmer Way north of the current location
 4. EB off-ramp too long – drivers will tend to drive too fast
 5. EB Hook on-ramp geometry deficiencies
4. Identified Alternative 5 as a viable alternative that meets purpose and need



Alternative 5 - Joshua Palmer Realignment



Alternative 5 - Joshua Palmer Realignment



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Alternative 5 - Joshua Palmer Realignment



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QUESTIONS

