

I-5: Kuebler Blvd to Delaney Rd Widening Project

Request to add funds for bid award

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Project Overview

This project addresses the I-5 bottleneck and traffic congestion associated with large trucks climbing the steep hill north of Delaney Rd. The plan includes the following:

- Adds a third lane to I-5 southbound
- Replaces the bridge over the Commercial Street northbound off-ramp.
- Realigns the southbound Delaney Rd off-ramp.
- Replaces and realigns the Battle Creek Road over-crossing bridge.
- Repaves I-5 section in both directions.
- Builds two sound walls on the west side of I-5.

Project Finances & Bid Analysis

Project Finances

- **Existing** construction funding: \$39.7M
- **Bid Opening 5/23:**
 - 5 bidders (very competitive market)
 - Lowest bid 8% over engineers estimate
- Low bid construction cost estimate: \$45.3M
- **Request** to add \$5.6M to award bid

Bid Analysis

- Bid items and quantities adjusted via addendum.
- One of first projects to include new construction standards & specifications
- Concrete materials all bid higher than usual
 - Precast panels
 - Precast beams
 - Barriers
- Temporary traffic control staging approach not as cost effective as expected

Project delivery take-aways

For whole portfolio:

- Provide data points for upcoming projects using new standards and specification.
- Update costs for temporary items to reflect current market trends.
- Need for cost-benefit analysis when selecting concrete bridge components instead of steel.
- Inform estimating for staging approaches on future freeway projects.
- Improve method / process for adding bid items post-100% design milestone (addenda).

For this project:

- Internal review of decision-making process leading up to bid advertisement and addendum.
- Bid review meeting with consultant and internal design teams.
- Cost tracking and risk management discussions with Region and Division leadership throughout construction delivery.
- Post construction debrief.

Questions?

