

Mini-High Platform Project



JPB Board of Directors Meeting

January 4, 2024



Project Goals

- Improve on time performance and access to trains for passengers using wheelchairs to board trains.

Overall Project Schedule

Dates	Activity
January 2024	Board Approval of Contract
February 2024	Limited Notice to Proceed
December 2024	Substantial Completion
February 2025	Project Closeout

Project Facts

- **Purpose:** Improve access to and from trains for patrons using wheelchairs. This will have the added benefit of improving **operational efficiency** leading to improved on time performance
- The project will add mini-high platforms at the **13 stations** on the system currently lacking this feature
- The project will also install **wheel stops** in the parking lots at Hillsdale Station to keep cars from blocking sidewalks

Scope of Work

- **Base Bid**

- Install mini-high platforms at **8 Stations** (Bayshore, Burlingame, Hayward Park, Belmont, California Avenue, San Antonio, Lawrence, and Tamien)
- Install wheel stops at Hillsdale Station Parking Lot



- **Option**

- Install mini-high platforms **5 Stations** (Capital, Blossom Hill, Morgan Hill, San Martin, and Gilroy)

Project Funding

Source	Amount
San Mateo County Transit District (SMCTD)	\$1,963,825
FTA Section 5537	\$460,000
SMCTA	\$881,000
Local Partnership Program - Formulaic	\$881,000
Total	\$4,185,825

Procurement Process

Action	Date
Prepare Invitation for Bids (IFB)	August-October 2023
Issued IFB	October 24, 2023
Pre-Bid Conference	October 31, 2023
Bid Opening	November 27, 2023

Bid Analysis

	Base Bid	Option	Total
Engineer's Estimate	\$1,442,662	\$854,788	\$2,222,450
Angotti & Reilly (Contractor)	\$2,400,941	\$1,123,441	\$3,524,382
Variance from Engineer's Estimate	\$958,279	\$268,653	\$1,301,932
Percentage over Engineers Estimate	66%	31%	59%

Cost Estimates for Capital Projects are Increasing

FHWA Says Highway Construction Costs Continue to Soar

Cost of Such Projects Increased 53.8% in First Quarter of 2023 From \$2.86 Billion in Fourth Quarter of 2020



Roadwork in Connecticut. The National Highway Construction Cost Index continued to increase in the first quarter of 2023, though at a slower rate than in 2021 and 2022. (portal.ct.gov)

<https://www.ttnews.com/articles/fhwa-highway-costs-soar>

- The bidding environment is changing, and there is an evident surge in costs for capital infrastructure projects across the Country.
- Escalation Indices have indicated substantial percentage change in market value prices.
- Caltrain is enhancing our processes to better prepare for the future.

Bid Environment

Project	EE	Actual / Low Bid	Delta
SMART McInnis	\$2.8M	\$3.4M	21%
SMART Petaluma	\$24M	\$32M	33%
VTA Crossing Enhancements	\$5.5M	\$7.7M	40%
VTA Eastridge	\$343M	\$458M	34%
WSDOT Brickyard	\$525M	\$834M	59%
WSDOT Montlake	\$812M	\$1.37B	69%
Sacramento County Alta Mesa Bridge	\$6.5M	\$8.3M	29%
Caltrans RT 5 Rehab	\$8.4M	\$10.8M	29%
Caltrans Alameda Rehab	\$3.0M	\$4.0M	34%

Examples of recent bids in our markets.

Escalation Indices

Index	Escalation March 2020 - Sept 2023	Source
ENR Material Price Index	73.2%	https://www.enr.com/economics/historical_indices/material_price_index_history
Fuel	66.8%	https://www.eia.gov/dnav/pet/hist/EER_EPMRR_PF4_Y05LA_DPGD.htm
National Highway Construction Cost Index (NHCCI) Federal Highway Administration (FHWA) overall index	50.8%	https://explore.dot.gov/views/NHInflationDashboard/NHCCI?%3Aiid=1&%3Aembed=y&%3AisGuestRedirectFromVizportal=y&%3Adisplay_count=n&%3AshowVizHome=n&%3Aorigin=viz_share_link
Copper (Spot)	49.3%	https://tradingeconomics.com/commodity/copper
ENR Building Construction Index - San Francisco	42.9%	https://www.enr.com/economics/historical_indices/SanFrancisco
Equipment (Caltrans)	32.2%	https://dot.ca.gov/programs/construction/equipment-rental-rates-and-labor-surcharge
Steel (Spot)	31.6%	https://markets.businessinsider.com/commodities/iron-ore-price
CPI (Bureau of Labor Statistics)	18.4%	https://www.minneapolisfed.org/about-us/monetary-policy/inflation-calculator/consumer-price-index-1913-
Labor (Based on Union Agreement and Prevailing wage)	14.3%	https://www.dir.ca.gov/OPRL/2023-2/PWD/Northern.html

Future Projects Next Steps

- **Estimating**

- **Evaluate** current project budgets against **bid environment**
- Utilize Board Approved Contract with Kelly McNutt Consulting to evaluate current estimates using a **contractor-style** method

- **Contracting**

- Seek ways to **bundle work** into larger packages to attract bidders
- Explore adding **indices** for volatile commodities to share risk
- Explore other **risk allocation and incentives**
- Continue efforts to use **alternative delivery methods**, where appropriate, to obtain commercial pricing before designs are complete

Lowest Responsive and Responsible Bidder

- Staff and legal counsel determined Angotti & Reilly to be the **lowest responsive and responsible** bidder
- Angotti & Reilly's overall bid price is 59% over the Engineer's Estimate, given the bidding environment, it does not seem likely a readvertisement would result in lower costs.
- Readvertisement would **delay the work by 6-8 months** and impact Operations
- Staff contacted Angotti & Reilly references and confirmed **experience and competency**
- Staff concludes that Angotti & Reilly is **appropriately qualified and capable** of meeting the requirements of the contract
- At this time, **only the base bid will be awarded**; staff will seek to identify additional funding to enable execution of the Option work south of Tamien

Staff Recommendations

1. **Award** a contract to the lowest, responsive and responsible bidder, **Angotti & Reilly, Inc.** of San Francisco, California, for the Mini-High Platform Project base bid contract for a total lump sum price of **\$2,400,941**
2. **Authorize** the Executive Director or designee to **execute a contract** with Angotti & Reilly, Inc. in full conformity with the terms and conditions set forth in the solicitation documents, and in a form approved by legal counsel
3. **Authorize** the Executive Director or designee to exercise Option 1 for the installation of additional mini-high platforms at five stations in the Gilroy Service Area for total lump sum amount of \$1,123,441, as funding becomes available, and if deemed in the best interest of the JPB.

Questions



FOR MORE INFORMATION

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