

THIS PRINT COVERS CALENDAR ITEM NO.: 12

**SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY**

DIVISION: Capital Programs & Construction

BRIEF DESCRIPTION:

Authorizing the Director of Transportation to execute San Francisco Municipal Transportation Agency Contract No. 1282R, Twin Peaks Tunnel Trackway Improvement Project, with NTK Construction, Inc., as the responsible bidder that submitted the lowest responsive bid, to replace the track structure within the Twin Peaks Tunnel, between the West Portal and old Eureka Valley Stations, in the amount of \$32,965,750, and for a term of 400 calendar days.

SUMMARY:

- On January 14, 2016, the Director of Transportation notified the SFMTA Board of Directors that he had authorized a bid call for SFMTA Contract No. 1282R, Twin Peaks Tunnel Trackway Improvement Project (the Project).
- Under the Project, the Contractor will replace the track structure (ballast, ties, rail, and track drainage) within the Twin Peaks Tunnel, between the West Portal and old Eureka Valley Stations.
- The SFMTA received and publicly opened three bids for Contract No. 1282R on February 12, 2016 with NTK Construction submitting the lowest responsive and responsible bid in the amount of \$32,965,750. NTK Construction's bid is one percent above the Engineer's estimate of \$32,600,000 for the work and is a fair price for the work.
- Funding for construction services under this Contract is provided by federal and local sources.

ENCLOSURES:

1. SFMTAB Resolution
2. Project Budget & Financial Plan

APPROVALS:

DATE

DIRECTOR _____

3/29/16

SECRETARY R. Boomer _____

3/29/16

ASSIGNED SFMTAB CALENDAR DATE: April 5, 2016

PURPOSE

The purpose of this calendar item is to authorize the Director of Transportation to execute San Francisco Municipal Transportation Agency Contract No. 1282R, Twin Peaks Tunnel Trackway Improvement Project, with NTK Construction, Inc., as the responsible bidder that submitted the lowest responsive bid, to replace the track structure within the Twin Peaks Tunnel, between the West Portal and old Eureka Valley Stations, in the amount of \$32,965,750, and for a term of 400 calendar days.

GOAL

The Work to be performed under Contract No. 1282R will assist in the implementation of the following goals, objectives and initiatives in the SFMTA Strategic Plan:

Goal 1: Create a safer transportation experience for everyone.

Objective 1.3 Improve the safety of the transportation system.

Goal 2: Make transit, walking, bicycling, taxi, ridesharing & car-sharing the preferred means of travel

Objective 2.2 Improve transit performance

Goal 3: Improve the environment and quality of life in San Francisco

Objective 3.1 Reduce the Agency's and the transportation system's resource consumption, emissions, waste and noise

Objective 3.2 Increase the transportation system's positive impact to the economy

Objective 3.3 Allocate capital resources effectively

Objective 3.4 Deliver services efficiently

DESCRIPTION

Background:

In order to increase speed and reliability, the SFMTA intends to replace the track structure in the Twin Peaks Tunnel between the West Portal Station and the old Eureka Valley station. The work includes replacement of ballast, ties, rail, rail fixation and drainage between the tracks. In February, 2012, the SFMTA finalized a report on the seismic vulnerability of the Forest Hill Station and the Old Eureka Valley Station, both of which are within the Twin Peaks Tunnel. Recommendations from this report are incorporated within the project and include seismically strengthening walls, beams and columns of the Old Eureka Valley Station and replacing a section of the tunnel ceiling that is east of the West Portal Station. The tracks within the Twin Peaks Tunnel were last replaced in the early 1970's.

Description of Project:

The project will replace the track structure (ballast, ties, rail, and track drainage) within the Twin Peaks Tunnel, between the West Portal and old Eureka Valley Stations and make seismic improvements to the old Eureka Valley Station within the tunnel.

Trackwork improvements include replacing the existing tie and ballast tracks, replacing embedded tie and ballast track at West Portal and Forest Hill Stations with direct fixation embedded track, installing four new crossovers with associated overhead catenary systems and lighting for maintenance purposes, replacing two turnouts at the old Eureka Valley Station, installing wayside rail lubrication systems, and installing a local control panel at the outbound operator kiosk at West Portal Station.

Track drainage improvements include cleaning and television inspection of existing tunnel drainage line and manholes, repairing any existing tunnel broken or damaged drainage line, and slip-lining existing and repaired tunnel drainage lines.

Seismic Improvements include adding concrete footings, adding steel columns and girders, strengthening column/girder connections, and adding fireproofing material to columns and girders.

Other items include replacing portions of the brick tunnel crown, repairing existing concrete spalls and cracks in the tunnel crown, replacing a fire alarm system and a fire detection and suppression system at West Portal Station, repairing isolation gate valves for the firefighting water lines, and replacing undercar deluge system branch lines at Forest Hill Station.

Bids Received:

On January 14, 2016, the Director of Transportation notified the SFMTA Board of Directors that he had authorized a bid call for Contract No. 1282R in accordance with Board Resolution No. 09-191, which delegated, among other things, the authority to issue bid calls to the Director of Transportation.

As authorized by Section 6.20(d) of the San Francisco Administrative Code, SFMTA evaluated bids received for this contract on the basis of not only the Total Bid Price, but also considering factors related to proposed schedule savings and an established daily overhead rate for any compensable delay.

On February 12, 2016, the SFMTA received and publicly opened three bid proposals as follows:

	Bidders	Total Bid Price	Number of Weekends to Substantially Complete the Work (max. 21)	Daily Rate for Delay	Evaluated Bid*
1	Shimmick/Con-Quest Joint Venture	\$35,610,415	21	\$3,000	\$35,970,415
2	NTK Construction Inc.	\$32,965,750	21	\$2,000	\$33,205,750
3	Disney Construction, Inc.	\$33,704,800	21	\$1,000	\$33,824,800

* The evaluated bid is the price used to determine the lowest bidder. It takes into account the bidders daily overhead rate for contract delays and also the bidders number of weekends they require to perform the work.

The original engineer’s estimate for the work at the time of bid advertisement was \$32,600,000. The bid submitted by NTK Construction is one percent above the engineer’s estimate. Staff has concluded that, although there is variation in some of the individual bid items, the SFMTA has obtained a fair and reasonable price for the project.

Bidders are required by the California Subletting and Subcontracting Fair Practices Act (Public Contract Code section 4104) to list all subcontractors that will perform more than one-half of one percent of the value of the Contract. NTK Construction, Inc. listed the following subcontractors:

Subcontractor	Status	Value
Watertight Restoration	SBE	\$193,000
TLK Steel Inc.	SBE	\$1,300,000
Reliance Engineering	SBE	\$430,000
F. Fernando	SBE	\$289,000
Phoenix Electric	SBE	\$2,937,000
Pacific Bay Builders	SBE	\$150,000
Ingram Fire Protection	SBE	\$173,000
Rebar International	SBE	\$112,400
Ironwood Commercial Builders, Inc.	SBE	\$384,000
Superior Gunitite		\$181,720
CMC Construction	SBE	\$420,000

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The Contract Compliance Office reviewed the bid proposals and determined that NTK Construction, Inc. (NTK) has made a commitment to achieve the Small Business Enterprise (SBE) participation goal of 26% established for this contract and has committed to meeting the Non-discrimination Equal Employment Requirements of the contract.

PUBLIC OUTREACH

SFMTA Public Outreach representatives attended the following community meetings to discuss the project:

- February 4, 2015: Greater West Portal Neighborhood Association (GWPNA)
- February 5, 2015: Castro Merchants
- February 19, 2015: West Portal Merchants Association
- March 9, 2015: partnering meeting w/ San Francisco Department of Public Works and West Portal neighborhood and merchants representatives
- March 9, 2015: Forest Hill Association
- April 5, 2015: Duboce Triangle Neighborhood Association
- May 6, 2015: GWPNA
- June 4, 2015: Castro Merchants
- August 6, 2015: Castro Merchants

Specific project meeting were held in the three communities traversed by the project:

- March 24, 2015: West Portal
- March 26, 2015: Castro
- March 31, 2015: Forest Hill

Further public meeting will be scheduled a month before construction to alert the three communities adjacent to the project area.

ALTERNATIVES CONSIDERED

The project team held discussions with Maintenance staff concerning whether the work should be done by in-house staff. The preference was to have a contractor perform the work because contractors have enough crews with track construction expertise to complete the work in a timely manner, with minimal impact to Operations. Staff determined that contracting out was the practical alternative.

FUNDING IMPACT

This contract is projected to be funded with existing revenue bonds, bridge toll funds and Federal FTA funds.

The budget and financial plan for this project is presented in Enclosure 2.

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ENVIRONMENTAL REVIEW

On July 31, 2015 the San Francisco Planning Department issued a Class 2 Categorical Exemption from the California Environmental Quality Act (CEQA) for the Twin Peaks Tunnel Trackway Project, Planning Case Number 2015-008803ENV.

The action proposed under this calendar item is an Approval Action as defined by Chapter 31 of the San Francisco Administrative Code.

OTHER APPROVALS RECEIVED OR STILL REQUIRED

None.

The City Attorney's Office has reviewed this calendar item.

RECOMMENDATION

Staff recommends that the SFMTA Board of Directors authorizes the Director of Transportation to execute San Francisco Municipal Transportation Agency Contract No. 1282R, Twin Peaks Tunnel Trackway Improvement Project, with NTK Construction, Inc., as the responsible bidder that submitted the lowest responsive bid, to replace the track structure within the Twin Peaks Tunnel, between the West Portal and old Eureka Valley Stations, in the amount of \$32,965,750, and for a term of 400 calendar days.

SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY
BOARD OF DIRECTORS

RESOLUTION No. _____

WHEREAS, The purpose of the Twin Peaks Tunnel Trackway Improvement Project is to replace the track structure (ballast, ties, rail, and track drainage) within the Twin Peaks Tunnel, between the West Portal and old Eureka Valley Stations; and,

WHEREAS, On January 14, 2016, the Director of Transportation notified the SFMTA Board of Directors that he had authorized a bid call for SFMTA Contract No. 1282R in accordance with Board Resolution No. 09-191, which delegates, among other things, the authority to issue bid calls to the Director of Transportation; and,

WHEREAS, On February 12, 2016, the SFMTA received and publicly opened three bid proposals in response to the invitation for bids; and,

WHEREAS, The SFMTA determined that NTK Construction, Inc., located at 501 Cesar Chavez Street, Suite 123, San Francisco, CA 94124, submitted the lowest responsive and responsible bid, in the amount of \$32,965,750; and,

WHEREAS, The Contract Compliance Office reviewed the bid proposals and confirmed that NTK Construction, Inc. will commit to meeting the Small Business Enterprise participation goal of 26% established for this Contract and will commit to meeting the Non-discrimination Equal Employment Requirements of the Contract; and,

WHEREAS, The funding for work under Contract No. 1282R will come from Federal grants and local sources; and,

WHEREAS, The San Francisco Planning Department determined that the proposed project is Categorical Exempt under a Class 2 exemption from the California Environmental Quality Act (CEQA), Planning Case No. 2015-008803ENV; and,

WHEREAS, The proposed action is the Approval Action as defined by the San Francisco Administrative Code Chapter 31; and,

WHEREAS, The SFMTA Board has reviewed and considered all written and oral information provided by the Planning Department, the public, relevant public agencies, SFMTA and other experts and the administrative files for the Project, including the Categorical Exemption issued by the Planning Department, finds that the Categorical Exemption is adequate for use by the SFMTA in approving this project; now, therefore, be it

RESOLVED, That the SFMTA Board of Directors authorizes the Director of Transportation to execute San Francisco Municipal Transportation Agency Contract No. 1282R, Twin Peaks Tunnel Trackway Improvement Project, with NTK Construction, Inc., as the responsible bidder that submitted the lowest responsive bid, to replace the track structure within the Twin Peaks Tunnel, between the West Portal and old Eureka Valley Stations, in the amount of \$32,965,750, and for a term of 400 calendar days.

I certify that the foregoing resolution was adopted by the San Francisco Municipal Transportation Agency Board of Directors at its meeting of April 5, 2016.

Secretary to the Board of Directors
San Francisco Municipal Transportation Agency

ENCLOSURE 2

TWIN PEAKS TUNNEL TRACKWAY IMPROVEMENT PROJECT

San Francisco Municipal Railway Contract No. 1282R

Project Budget and Financial Plan

Cost	Amount
Detail Design Phase Staff Support (SFMTA and Other City Services)	\$3,314,000
Construction Phase Construction Contract, Contingency, and Staff Support	\$48,500,000
Total Cost	\$51,814,000

Funding	Amount
Federal Grant Funds	\$41,451,200
SFMTA Revenue Bonds	\$10,218,908
Bridge Toll Funds	\$143,892
Total Funding	\$51,814,000