



Board Report

File #: 2020-0610, File Type: Program

Agenda Number: 32.

EXECUTIVE MANAGEMENT COMMITTEE NOVEMBER 19, 2020

SUBJECT: ROSECRANS/MARQUARDT GRADE SEPARATION

ACTION: APPROVE RECOMMENDATIONS

RECOMMENDATION

AUTHORIZE:

A. The Chief Executive Officer to execute a cost-plus fixed fee Contract No. PS66383MC077 with PreScience Corporation to provide construction support services for the Rosecrans/Marquardt Grade Separation Project, at the negotiated contract amount not-to-exceed \$4,397,321.49 for 4 years plus a 1-year option at \$838,462, staff will return to the Board to approve the exercise the option should it be necessary; and

B. Contract Modification Authority in the amount of \$439,732 or 10% of the total contract not-to-exceed amount and authorize the CEO to execute individual Contract Modifications within the Board approved Contract Modification Authority.

ISSUE

A Construction Support Services (CSS) Consultant is required to assist staff in the management oversight from final design, including advance construction activities such as early demolition and environmental work, utility relocation and construction of Rosecrans/Marquardt Grade Separation Project. The CSS Consultant work in the amount of up to \$4,837,053.49 including contract modification is fully paid for by local, state and federal grants.

DISCUSSION

The CSS consultant, PreScience Corporation, specializes in grade separation projects along the BNSF corridor will provide construction support to assist and augment staff. The CSS consultant work is needed for the advance utility work and early demolition and environmental work in preparation for construction work of the Rosecrans Marquardt Grade Separation Project. PreScience Corporation was selected based on qualification and price criteria used to evaluate a total of nine (9) proposers. They have the experience and competence in construction support services on some of the most challenging and complex grade separation projects in Los Angeles County.

Background

The Rosecrans/Marquardt Grade Separation Project (Project) is an important regional rail project located in the City of Santa Fe Springs along BNSF rail corridor. The grade crossing at Rosecrans Avenue and Marquardt Avenue experiences a high volume of vehicular traffic (over 40,000 cars) along with approximately 110 passenger and freight trains per weekday which is equivalent to one train approximately every 10 minutes. In addition, this grade crossing traverses this intersection diagonally, which results in poor sight distance between roadway and railroad vehicles. The combination of these factors has caused the intersection to experience a higher proportion of traffic incidents than average, whereby California Public Utilities Commission (CPUC) ranked it the number one hazardous grade crossing in the state in 2016. The construction of a new separated bridge overpass at the Rosecrans Avenue and Marquardt Avenue will separate the vehicular and pedestrians from the rail corridor and thus eliminating the possibility of train to vehicle collisions.

Project Update

Staff is finalizing the real estate acquisition which is anticipated to be completed by February 2021. Staff is working on the 100% design plans and will issue a construction bid by Spring 2021 with construction to begin by Fall 2021.

Funding

The Rosecrans/Marquardt Grade Separation Project is fully funded with \$156,437,550 in Measure R 20% Highway and local, state and federal grants as listed in Table 1.

TABLE 1-TYPE OF FUNDS	AMOUNT (in million)
High Speed Rail Prop 1A	\$76.665
CPUC Section 190	\$15
BNSF Railway	\$7.272
Measure R 20% Highway	\$26.5
Federal TIGER	\$15
STIP	\$7
TCEP	\$9
TOTAL	\$156.437550

DETERMINATION OF SAFETY IMPACT

The approval of Board action on this item will not have an impact on established safety standards. With the construction of the Rosecrans Marquardt Grade Separation Project, the existing grade crossing will be closed, eliminating the possibility of train to vehicle collisions at this intersection and will improve traffic conditions. All aspects of the project will be designed to be in accordance with BNSF's, and City of Santa Fe Spring's current design standards and will be in accordance with the General Orders of the California Public Utilities Commission.

FINANCIAL IMPACT

The work is funded in the FY 21 Budget which was approved by the Board in September 2020 under Project# 460066 (Rosecrans/Marquardt Grade Separation), in Cost Center# 2415 (Regional Rail). Since this is a multi-year contract, the Senior Executive Officer of Regional Rail and Chief Program Management officer will be accountable and responsible for budgeting the cost of future fiscal year requirements (refer to Table 2 below).

Table 2 Preliminary Cashflow

Fiscal Year	Projected Amount to be Spent	Budget %
FY-2021	\$439,732	10
FY-2022	\$1,319,197	30
FY-2023	\$1,319,197	30
FY-2024	\$1,319,197	30
FY-2025 Option Year	\$838,462	
Total	\$5,235,783***	100%

*****Note: The \$5,235,783 Includes the One-Year Option**

IMPLEMENTATION OF STRATEGIC PLAN GOALS

Approval of Board action on this item is consistent with Metro Vision 2028 Goal #1: Provide high quality mobility options that enable people to spend less time traveling. This contract action will help expand the transportation system with targeted infrastructure and service investments. The construction and operation of the Rosecrans/ Marquardt Grade Separation Project will provide an additional mobility option.

ALTERNATIVES CONSIDERED

The Board could direct Metro staff to perform construction support tasks with current in-house resources. However, this alternative would require Metro to divert resources from on-going projects and/or hire multiple full - time personnel that are not immediately available or funded.

NEXT STEPS

After Board approval of the recommended action, staff will complete the process to award and execute Contract No. PS66383MC077. Staff will return to the Board for the award of the construction contract by Fall 2021.

ATTACHMENTS

- Attachment A - Procurement Summary
- Attachment B - DEOD Summary

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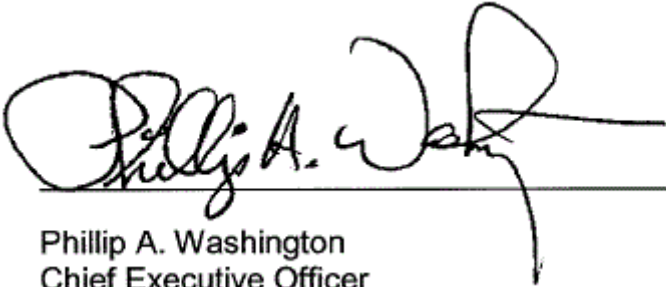
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