



Board Report

File #: 2023-0639, File Type: Contract

Agenda Number: 11.

CONSTRUCTION COMMITTEE NOVEMBER 16, 2023

SUBJECT: SYSTEMS ENGINEERING AND SUPPORT SERVICES CONTRACT

ACTION: APPROVE RECOMMENDATIONS

RECOMMENDATION

CONSIDER:

- A. APPROVING an increase in total authorized funding for Contract No. AE47810E0128 with SECOTrans (Joint Venture of Hatch LTK Engineering Services, NBA Engineering Inc., Pacific Railway Enterprises Inc., and Ramos Consulting Services, Inc), for pending and future Task Orders to provide systems engineering and support services for Metro Rail and Bus Transit projects, in the amount of \$19,500,000, increasing the total contract authorized funding from a not-to-exceed (NTE) amount of \$95,282,000 to a not-to-exceed amount of \$114,782,000 through April, 2025; and
- B. AUTHORIZING the Chief Executive Officer (CEO) or designee to execute individual Task Orders and Contract Modifications within the Board approved contract funding amount.

ISSUE

In April 2018, the Board approved awarding a seven-year cost reimbursable fixed fee, Task Order (TO) based Contract No. AE47810E0128, plus three (3) one-year options, to SECOTrans, a Joint Venture for Systems Engineering and Support Services (SESS) consultant. The approval requires staff to return to the Board on a biennial basis as projects progressed and new project requirements were identified to update contract expenditure authorization. Previous Board actions provided a total authorization of \$95,282,000, of which \$15,000,000 was included to support the future Rail Operations Center and Bus Operations Center (ROC/BOC) Project. Additionally, as a result of the ongoing requirements of the agency's Measure M and R programs, staff is seeking an additional \$19,500,000 in total contract authority. Board approval of the staff recommendation will increase contract value by \$19,500,000 to a new NTE amount of \$114,782,000 through Fiscal Year 2024-2025 (FY25).

The seven (7) year base contract ends on April 26, 2025. A determination to exercise the options or initiate a new procurement will be made before that time.

BACKGROUND

To date, staff has awarded TO's and Contract Modifications (MODS) totaling \$75,446,445 with \$19,835,555 in authorized funding remaining. The SESS Consultant has been exceeding their DBE commitment by nearly double the goal set by the contract based on the TOs executed to date. The actual DBE participation is 28.81% which exceeds the contractual goal of 15%. Examples of projects supported by this contract include Metro Operational Simulation Analyses, Metro G Line BRT Improvements, Westside D Line 1/2/3, East San Fernando Valley Light Rail Transit, Eastside Phase 2 and West Santa Ana Branch Transit. Attachment B includes a complete listing of the TO's and MODS executed since the beginning of the SESS contract. As indicated during initial approval, staff is now seeking an additional two-year funding authorization to support Systems Engineering, Measure R, and Measure M projects.

DISCUSSION

With the approval of Measure M, the ongoing implementation of the Measure R Program, and required State of Good Repair initiatives, , staff has engaged a SESS to provide a broad range of systems engineering design and related support services to supplement current Systems Engineering Department resources. Metro's capital program requires extensive resources with the ability to react quickly to a wide range of complex technical issues. With a strong core staff located in Los Angeles County, the SESS is capable of applying and withdrawing resources as project workloads fluctuate over time. The SESS has the extensive experience and capability to support the complete project lifecycle; from the conceptual phase to final design and construction.

Due to the intensive system integration requirements and length of time needed to deliver major capital improvement projects, this contract has allowed Metro to efficiently and effectively augment Program Management staff where appropriate to ensure the proper project resources are available to Metro in terms of additional staff and technical expertise.

The SESS provides a single systems engineering team, and associated sub-specialties, with the necessary resources to assist in the planning, development, and delivery of Metro's aggressive schedule of projects for the next decade. Examples of systems engineering disciplines include traction electrification, overhead contact systems (OCS), train control, communications, supervisory control and data acquisition (SCADA), rail simulations, corrosion control, systemwide electrical and other specialized disciplines.

Other Considerations

The challenge presented by the simultaneous implementation of numerous projects is to ensure the integration and standardization of the systems elements within and across the current Metro system. Consistent development and design are necessary to ensure that the required integration is achieved with respect to civil and electrical infrastructure, vehicles, control systems, communications, operations, maintenance, security, training, etc.

Prior to the procurement of the SESS, each project would use a different consultant for this work, resulting in inconsistent applications. This approach was no longer feasible or advisable with the

large volume of projects now underway. With a single SESS design team on staff, the standardization of design, construction, and functionality of systems elements will keep Metro's long-term interest in system interoperability, maintainability, and safety at the forefront. A fully integrated network requires consistency of systems design and not a collection of potentially incompatible independent designs arising from separate projects. This approach has been implemented successfully in other transit agencies nationwide, and the benefits of full systems standardization include:

- Interoperability and efficient maintainability
- Improved commercial viability
- Reduced spares requirements
- Reduced training requirements
- Flexibility to adapt to changing circumstances

In addition to the projects listed above and in Attachment B, staff expects the SESS to provide systems engineering services for current and future rail and bus transit projects, and other capital improvement projects, including, but not limited to, the following:

- East San Fernando Valley Transit Corridor
- Eastside Phase 2 Extension
- C Line South Bay Rail Extension
- West Santa Ana Transit Corridor
- Sepulveda Pass Transit Corridor
- Vermont Transit Corridor
- G Line BRT Improvements
- Westside D Line Extension Section 1/2/3

DETERMINATION OF SAFETY IMPACT

The use of a consistent systems design process has a positive safety benefit during the construction and subsequent operations of Metro's Bus and Rail transit network.

FINANCIAL IMPACT

The requested not-to-exceed contract funding is based on the anticipated level of services that will be required through FY25. Funding for the individual TOs is included in the Board approved life-of-project (LOP) budgets; therefore, this work is within the various project budgets.

Since this is a multi-year contract, project managers, cost managers, and the Chief Program Management Officer will be responsible for budgeting costs in future years.

Impact to Budget

Funding for TOs issued under this contract is provided by the specific project(s) utilizing the services. These projects are typically funded by a mix of federal, state, and local funds, including Measure R and Measure M. Where appropriate, certain Operations projects are funded with operating eligible funds.

EQUITY PLATFORM

The Systems Engineering and Support Services funds Conceptual Engineering, Preliminary Design and Specifications, Final Design, including Design Services During Construction of Transit Rail and Bus Projects for various Metro projects including West Santa Ana Branch, East San Fernando Valley transit projects and other Metro Transit projects throughout the County of Los Angeles, including in Equity Focus Communities (EFCs). These services are essential for support and on time delivery of Metro projects across the greater Los Angeles area. All services supported by this contract are centered on avoiding project delays and promoting cost saving measures to effectively deliver the projects with minimal impacts on the communities and provide benefits of enhanced mobility and regional access to underserved populations within the respective project areas.

SECOTrans Joint Venture made a 15% DBE overall commitment for this contract and based on payments reported, is exceeding its commitment by 13.81% with a total DBE participation of 28.81%.

IMPLEMENTATION OF STRATEGIC PLAN GOALS

The Systems Engineering Support Services contract supports the following strategic goals. Strategic Goal 1: Provide high-quality mobility options that enable people to spend less time traveling. Through this contract, the systems engineering consultant team will continue to implement innovative and state of the art engineering solutions to provide efficient mobility options throughout the LA County area. Strategic Goal 2: Deliver outstanding trip experiences for all users of the transportation system. The contract ensures the timely delivery and implementation of systems that provide essential communications, security, comfort, and reliability to all users. These factors are important areas of concern identified by Metro management and annual customer surveys. Strategic Goal 5: Provide responsive, accountable, and trustworthy governance within the Metro organization. With a regular 2-year authorization update to the Board, Metro staff will offer transparency and accountability of Systems related work involved in the Measure M program and other major capital projects.

ALTERNATIVES CONSIDERED

The Board may choose to reject the recommendation and request staff to re-procure these services through an RFP, choose to authorize an alternative amount, or approve an alternative term of financial authorization. Staff does not recommend these alternatives. The use of a qualified SESS consultant has allowed the agency to secure highly technical expertise without the necessary increase in Metro's long-term labor costs. Further, by providing for an extended term contract, the Board has afforded staff the resources that seek to provide an integrated and consistent network design that serves Metro's interests. Finally, by limiting the funding authorization to two years, greater accuracy of project scope and cost requirements are provided to the Board on a biennial basis.

NEXT STEPS

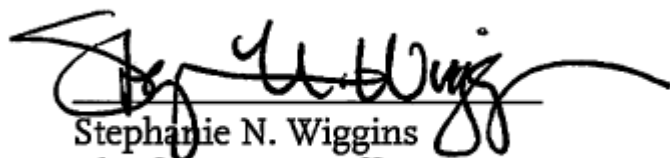
Upon Board approval, specific task orders will be issued on an as needed basis.

ATTACHMENTS

Attachment A - Procurement Summary
Attachment B - Proposed Task Order Work List
Attachment C - DEOD Summary

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Stephanie N. Wiggins
Chief Executive Officer

PROCUREMENT SUMMARY

SYSTEMS ENGINEERING SUPPORT SERVICES/ CONTRACT NO. AE47810E0128

| | | | | |
|----|--|----------------------|---|---------------------|
| 1. | Contract Number: AE47810E0128 | | | |
| 2. | Contractor: SECOTrans (Joint Venture of LTK Engineering Services, NBA Engineering Inc., Pacific Railway Enterprises Inc., and Ramos Consulting Services, Inc.). | | | |
| 3. | Mod. Work Description: Increase the Contract not-to-exceed funding amount. | | | |
| 4. | Work Description: Systems Engineering Support Services | | | |
| 5. | The following data is current as of: October 30, 2023 | | | |
| 6. | Contract Completion Status: | | Financial Status: | |
| | Award Date: | April 26 2018 | Board Approved NTE Amount: | \$95,282,000 |
| | Notice to Proceed (NTP): | June 14, 2018 | Total Contract Modification Authority (CMA): | N/A |
| | Original Completion Date: | June 14, 2025 | Value of Task Orders and Mods. Issued to Date: | \$75,446,445 |
| | Current Est. Complete Date: | June 14, 2025 | Remaining Board Approved Amount: | \$19,835,555 |
| 7. | Contract Administrator: Chelsea Bajorunas | | Telephone Number: (213) 922-7243 | |
| 8. | Project Manager: Ron Tien | | Telephone Number: ((213) 418-3445 | |

A. Contract Action Summary

On April 26, 2018, the Board of Directors approved award of Contract No. AE47810E0128 Systems Engineering and Support Services to SECOTrans (Joint Venture), in the amount not-to-exceed (NTE) \$28,932,000, to supplement Metro’s Engineering Department resources in providing engineering services for projects in varying stages of conceptual design, preliminary engineering, final design, bidding for construction, and design support during construction (DSDC), including the following: program management, quality, and computer aided design and drafting (CADD); design services concerning train control, communications systems, traction power, and overhead catenary systems (OCS); operational runtime simulation and modeling, corrosion control, system integration, facilities and system-wide electrical, facilities mechanical, facilities plumbing, and facilities fire protection. The Period of Performance for the Contract is seven (7) years from NTP plus three (3) one-year options to be exercised at Metro’s sole discretion. This action is to increase the authorized funding for this Contract in the amount of \$19,500,000, increasing the total authorized funding from \$95,282,000 to \$114,782,000.

Thirty- One (31) Task Orders and One Hundred Forty- Three (143) Task Order Modifications have been executed to date. Furthermore, Nine (9) Administrative Contract Modifications for zero dollars have also been executed to date. Additional level of effort and cost may not be incurred under the closed-out Task Orders and their associated Task Order Modifications.

Since this is a multi-year contract, the Chief Program Management Officer and the Project Managers are responsible for budgeting costs in future years, including the exercise of any options. Consequently, funding for the award of the Supplemental Engineering and Support Services Contract was initially requested for the first two years and must be requested every two years subsequent to that for future work, contingent upon an updated annual work program and schedule.

The total contract amount will be the aggregate value of all task orders issued to the SESS Consultant through the term of the contract.

Contract No. AE47810E0128 is a cost plus fixed fee (CPFF) Contract.

B. Cost/Price Analysis

The negotiated cost and fixed fee or lump sum price for future Task Orders will be determined to be fair and reasonable based upon fact finding, technical evaluation, cost analysis, and negotiations, before issuing the task order authorizing the work to the SESS Consultant. Task Orders will be processed in accordance with Metro's Acquisition Policy and Procedures. A cost analysis will be performed for each Task Order, considering the Independent Cost Estimate, technical analysis utilizing labor, and indirect cost rates established in the contract.

The Systems Engineering Services estimated level of effort for the additional NTE amount of \$19,500,000 was developed using the current master schedule, construction estimates, and completed work to date from the Program Management Project Controls Department. An estimated level of effort cost was determined for each project using past project costs, systems to civil project percentages along with historical rates. Depending on the type of transit project and the complexity, the percentages were derived from the overall construction costs to determine the systems construction and engineering costs. Systems engineering level of effort costs were distributed across each fiscal year according to the master schedule.

ATTACHMENT B

PROPOSED TASK ORDER WORK

SYSTEMS ENGINEERING SUPPORT SERVICES / CONTRACT NO. AE47810E0128

| Mod./Task Order (TO) No. | Description | Status (Approved or Pending) | Date | Task Order Issued Including Mods | Adjustments Pending TO Close-Out¹ | TO Mods in Approval (Current FY)² |
|--|--|-------------------------------------|-------------|---|---|---|
| N/A | Initial Authorized NTE Funding \$28,932,000 | Approved | 4/26/18 | --- | --- | --- |
| E0128-TO-016 | Board of Directors Authorized NTE \$15,000,000 for TO-016 | Approved | 2/27/20 | --- | --- | --- |
| N/A | Board of Directors Authorized NTE \$22,500,000 for FY 2021 | Approved | 5/28/20 | --- | --- | --- |
| N/A | Board of Directors Authorized NTE \$28,850,000 for FY 2023 / 2024 | Approved | 6/23/22 | --- | --- | --- |
| Approved Task Orders and Task Order Modifications | | | | | | |
| E0128-TO-001 | Systems Engineering Support for Crenshaw Project | Approved | 7/9/18 | \$14,085,003.40 | \$(31,227.00) | --- |
| E0128-TO-002 | Program-wide System Engineering Support Services for Systems Engineering Group | Approved | 7/27/18 | \$9,561,606.43 | \$(42,512.65) | --- |
| E0128-TO-003 | Overhead Contact Systems (OCS) Support for Maintenance of Wayside Engineering | Approved | 9/11/18 | \$603,041.25 | \$(69,847.00) | --- |

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|--------------|---|----------|----------|-----------------|---------------|-----|
| E0128-TO-004 | System-wide Electrical Support for Rail and Bus Projects | Approved | 9/11/18 | \$145,244.00 | --- | --- |
| E0128-TO-005 | Crenshaw Project Design Services During Construction | Approved | 9/12/18 | \$161,992.00 | --- | --- |
| E0128-TO-006 | Rail Systems Engineering Support for New Blue | Approved | 10/3/18 | \$4,688,560.70 | --- | --- |
| E0128-TO-007 | West Santa Ana Branch Systems Support | Approved | 10/1/18 | \$120,666.74 | --- | --- |
| E0128-TO-008 | System-wide Operations and Maintenance Plan | Approved | 10/10/18 | \$798,543.25 | \$(77,672.00) | --- |
| E0128-TO-009 | Division 20 Portal Widening Turnback Project Systems Engineering Support | Approved | 10/30/18 | \$11,804,039.35 | \$(40,017.00) | --- |
| E0128-TO-010 | West Santa Ana Branch (WSAB) Project Conceptual Engineering | Approved | 11/16/18 | \$2,889,788.57 | --- | --- |
| E0128-TO-011 | East San Fernando Valley (ESFV) Conceptual Engineering | Approved | 12/3/18 | \$8,153,971.55 | \$(58,686.00) | --- |
| E0128-TO-012 | Metro Blue Line Track and OCS Refurbishment | Approved | 3/21/19 | \$1,528,845.32 | --- | --- |
| E0128-TO-013 | Metro Systems Support for Green Line/Crenshaw Operations | Approved | 4/10/19 | \$262,675.00 | \$(13,605.14) | --- |
| E0128-TO-014 | Metro Red/Purple Line and Regional Connector Operational Simulation Support | Approved | 4/25/19 | \$770,059.00 | \$(15,763.15) | --- |

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|--------------|--|----------|----------|----------------|----------------|-----|
| E0128-TO-015 | Airport Metro Connector Engineering Support | Approved | 9/12/19 | \$5,074,304.00 | --- | --- |
| E0128-TO-016 | Rail Operations Center (ROC) / Bus Operations Center (BOC) Architectural and Engineering Systems Design Services | Approved | 4/9/20 | \$46,957.87 | --- | --- |
| E0128-TO-017 | Centinela Grade Separation Conceptual Engineering | Approved | 11/4/19 | \$1,671,189.00 | \$(685,000.00) | --- |
| E0128-TO-018 | Metro Gold Line Foothills 2B Extension Systems Engineering Support | Approved | 4/16/20 | \$545,479.00 | --- | --- |
| E0128-TO-019 | Metro Gold Line Eastside Phase 2 Conceptual Engineering | Approved | 4/24/20 | \$602,538.00 | --- | --- |
| E0128-TO-021 | Systems Engineering DSDC Support for Purple Line Extension Sec. 1 | Approved | 1/29/20 | \$2,961,361.00 | --- | --- |
| E0128-TO-022 | Systems Engineering DSDC Support for Regional Connector Project | Approved | 4/24/20 | \$2,738,388.00 | --- | --- |
| E0128-TO-023 | Metro C Line (Formerly Green Line) Extension to Torrance Conceptual Engineering | Approved | 12/08/20 | \$325,586.00 | --- | --- |
| E0128-TO-024 | Purple Line Extension Section 3 Systems Engineering Support Services | Approved | 12/29/20 | \$861,265.81 | --- | --- |

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|--|---|----------|---------|----------------|-----|-----|
| E0128-TO-025 | Systems Engineering Design Services During Construction Support for Metro Center Project - FY21 Level of Effort | Approved | 3/18/21 | \$292,399.02 | --- | --- |
| E0128-TO-026 | Purple Line Extension Section 2 Systems Engineering Support Services | Approved | 9/17/21 | \$631,989.00 | --- | --- |
| E0128-TO-027 | Metro G Line (formerly Orange Line) Systems Engineering Support | Approved | 7/20/21 | \$640,366.00 | --- | --- |
| E0128-TO-028 | Sepulveda Transit Corridor Projects Systems Engineering Support | Approved | 8/10/22 | \$633,009.00 | --- | --- |
| E0128-TO-029 | West Santa Ana Branch Systems Engineering Support | Approved | 11/9/22 | \$499,986.00 | --- | --- |
| E0128-TO-030 | Rail Operations Control Center (ROC) / Bus Operations Control Center (BOC) Feasibility Study | Approved | 10/3/22 | \$1,497,591.00 | --- | --- |
| E0128-TO-031 | Metro Bungalow A Replacement Project | Approved | 9/5/23 | \$850,000.00 | --- | --- |
| Approved Contract Modifications | | | | | | |
| E0128-00-MOD-00001 | Update to Advanced Cost Agreement (LTK, DE, GF and IC) | Approved | 9/6/18 | \$0.00 | --- | --- |

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|--------------------|---|----------|----------|------------------------|-----|-----|
| EO128-00-MOD-00002 | Updates to Advanced Cost Agreement (Home Office Rates 2019: Atkins, FN, GF, IEI, ICI, RCS) | Approved | 12/14/18 | \$0.00 | --- | --- |
| EO128-00-MOD-00003 | Revise Spec. Section CP-04 Payment & Invoicing Part C.1 - Invoicing | Approved | 1/11/19 | \$0.00 | --- | --- |
| EO128-00-MOD-00004 | Direct Hourly Labor Rates Adjusted for 2019 | Approved | 2/6/19 | \$0.00 | --- | --- |
| EO128-00-MOD-00005 | Updates to Contract: Form of Contract, ACA Rates, Add/Delete Subconsultants and Corrections | Approved | 4/20/21 | \$0.00 | --- | --- |
| EO128-00-MOD-00006 | Updates to Contract: Form of Contract, ACA Rates, New Positions and Delete Subconsultant FNC | Approved | 3/14/22 | \$0.00 | --- | --- |
| EO128-00-MOD-00007 | Updates to Form of Contract and Special Provisions Section | Approved | 11/10/22 | \$0.00 | --- | --- |
| EO128-00-MOD-00008 | Updates to Contract: Administrative Modification, Updates to Exhibit 1 – Advanced Const Agreement | Approved | 5/4/23 | \$0.00 | --- | --- |
| EO128-00-MOD-00009 | Extend Period of Performance for Multiple TOs | Approved | 6/2/23 | \$0.00 | --- | --- |
| | Subtotal Approved TOs | | | \$75,446,445.26 | | |

| | | | | | | |
|--|--|---------|-----|------------------------|------------------------------|------------------------|
| | and Contract Mods | | | | | |
| Pending Task Orders and Task Order Mods | | | | | | |
| TBD | Future Anticipated Task Orders for FY24 | Pending | TBD | --- | --- | \$5,869,884.68 |
| TBD | Future Anticipated Task Orders for FY25 | Pending | TBD | --- | --- | \$19,500,000 |
| | Subtotal Pending TOs and TO Mods | | | | | \$25,369,884.68 |
| | Task Orders Approved | --- | --- | \$75,446,445.26 | --- | --- |
| | Adjustments Pending TO Close-Out | --- | --- | --- | (\$1,034,329.94) | |
| | Pending TOs and TO Mods | --- | --- | --- | --- | \$25,369,884.68 |
| | Future Anticipated Task Orders for FY25 | --- | --- | --- | --- | \$19,500,000 |
| | Total Contract NTE Amount Plus Funding Needed for Future Anticipated Task Orders for FY25 | --- | --- | --- | --- | \$114,782,000 |

NOTES:

¹ Task Orders and Task Order Modifications will be closed-out and unused Not-To-Exceed (NTE) authorized amount will be credited back to the Project. The Authorized NTE for the Task Order will be adjusted to actuals expended.

² Task Orders and Task Order Modifications with Cost Schedule Price (CSP) received and pending approval for FY 2024.

| BOARD ACTIONS | |
|--|------------------------|
| Board Approved Funding – Current Contract Value | \$95,282,000.00 |
| This Board Action | \$19,500,000 |
| New Contract Value | \$114,782,000 |

DEOD SUMMARY

SYSTEMS ENGINEERING AND SUPPORT SERVICES/AE47810E0128000

A. Small Business Participation

SECOTrans, a Joint Venture of LTK Engineering Services and three (3) DBE Joint Venture (JV) partners, NBA Engineering, Inc., Pacific Railway Enterprises, Inc., and Ramos Consulting Services, Inc. made a 15% DBE overall commitment for the Task Order contract. The overall DBE participation is based on the cumulative value of all Task Orders issued.

To date, thirty-one (31) Task Orders have been awarded. Based on payments reported, the contract is 77% complete and the cumulative DBE participation of all Task Orders awarded is 28.81%. SECOTrans is exceeding their DBE commitment by 13.81%.

SECOTrans stated that DBE Arakelyan Drafting Services, Inc. started work on September 1, 2023, and acknowledges that two (2) DBE firms listed on the team have not been utilized, explaining that Task Orders issued to-date have not contained scopes of work provided by those firms. SECOTrans remains committed to utilizing all listed DBE firms as Metro issues new Task Orders applicable to their respective scopes. DEOD will continue to monitor SECTOTrans' efforts in meeting its commitment and will continue to work with Project Management to review TO small business utilization.

| | | | |
|----------------------------------|----------------|-------------------------------------|-------------------|
| Small Business Commitment | 15% DBE | Small Business Participation | 28.81% DBE |
|----------------------------------|----------------|-------------------------------------|-------------------|

| | DBE Subcontractors | Ethnicity | Current Participation¹ |
|----|--|------------------------|--|
| 1. | NBA Engineering, Inc. (JV Partner / DBE Prime) | Caucasian Female | 5.05% |
| 2. | Pacific Railway Enterprises, Inc. (JV Partner / DBE Prime) | Caucasian Female | 1.61% |
| 3. | Ramos Consulting Services (JV Partner / DBE Prime) | Hispanic American | 8.81% |
| 4. | Arakelyan Drafting Services | Caucasian Female | 0.00% |
| 5. | Destination Enterprises | Caucasian Female | 2.68% |
| 6. | Enabled Enterprise LLC | Asian-Pacific American | 0.00% |

| | | | |
|-----|--|--------------------------------|---------------|
| 7. | Fariba Nation Consulting (Substituted) | Caucasian Female | 0.47% |
| 8. | Intueor Consulting, Inc. | Subcontinent Asian American | 2.37% |
| 9. | PK Electrical, Inc. (Substituted) | Caucasian Female | 0.00% |
| 10. | ROMAR7, LLC | Asian-Pacific American | 0.13% |
| 11. | Triunity Engineering and Management, Inc. | Black American | 7.21% |
| 12. | Birdi Systems, Inc. (Added) | Subcontinent Asian American | 0.00% |
| 13. | Interactive Elements Incorporated (Added) | Caucasian Female | 0.39% |
| 14. | UNICO Engineering, Inc. | Hispanic American | 0.09% |
| | Total | 15.00% | 28.81% |

¹Current Participation = Total Actual amount Paid-to-Date to DBE firms ÷ Total Actual Amount Paid-to-date to Prime.

B. Prevailing Wage Applicability

Prevailing wage is not applicable to this modification.

C. Living Wage Service Contract Worker Retention Policy Applicability

A review of the current service contract indicates that the Living Wage and Service Contract Worker Retention Policy (LW/SCWRP) was not applicable at the time of award. Therefore, the LW/SCWRP is not applicable to this modification.

D. Project Labor Agreement/Construction Careers Policy

Project Labor Agreement/Construction Careers Policy is not applicable to this Contract. Project Labor Agreement/Construction Careers Policy is applicable only to construction contracts that have a construction contract value in excess of \$2.5 million.

Board Item 2023-0639

Systems Engineering and Support Services Contract

Program Management



Metro

Board Item 2023-0639

Systems Engineering Support Services (SESS) Contract

Consultant SECOTrans JV team comprised of:

- Hatch/LTK – Rail Systems and Operational Planning/Simulations
- NBA Engineering (DBE) – Mechanical, Electrical and Plumbing (MEP)
- Pacific Railway Enterprises (DBE) – Rail Systems
- Ramos Consulting (DBE) – Various systems and controls
- 19 other subconsultants with varying systems specializations

Scope:

The consultant provides a single systems engineering team with the necessary resources to support the planning, development, engineering and delivery of Metro's Measure R and M programs for rail and bus systems. With a single SESS team, the standardization of design, construction and functionality of systems elements will keep Metro's long-term interest in system interoperability, maintainability, and safety at the forefront for all projects.

Board Item 2023-0639

Board Authorization Status:

| | |
|--|---------------|
| FY23/24 Board Authorization: | \$ 28,850,000 |
| Executed Task Orders: | \$ 22,980,115 |
| Pending Task Orders: | \$ 5,869,885 |
| | |
| FY24/25 Current Board Authorization Request: | \$ 19,500,000 |

The authorization request of \$19.5M is within the existing and/or planned project budgets. Separate Task Orders are written on a Fiscal Year basis and is coordinated with the respective project management.

The FY24/25 authorization will support the following projects e.g., East San Fernando Valley LRT, West Santa Ana Branch Transit Corridor, Eastside Transit Corridor Phase 2, C Line Extension to Torrance, Sepulveda Transit Corridor, G Line BRT Improvements, D Line Extension 1/2/3, Division 20 Project, Airport Metro Connector Project