



## Board Report

File #: 2022-0296, File Type: Project

Agenda Number: 5.

### CONSTRUCTION COMMITTEE JUNE 16, 2022

**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 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 \$28,850,000 increasing the total contract authorized funding from a not-to-exceed amount of \$66,432,000 to a not-to-exceed amount of \$95,282,000 through Fiscal Year 2024; and
- B. AUTHORIZING the Chief Executive Officer (CEO) or their 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 one-year options, to SECOTrans, a Joint Venture for Systems Engineering and Support Services (SESS) consultant. Board approval included the staff request 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 total authorization of \$66,432,000, of which \$15,000,000 was included to support the future Rail Operations Center and Bus Operations Center (ROC/BOC) Project. Additionally, due to the ongoing requirements of the agency's Measure M and R programs, staff is seeking an additional \$28,850,000 in total contract authority. Board approval of the staff recommendation will increase contract value by \$28,850,000 to a new NTE amount of \$95,282,000 through Fiscal Year 2023-2024 (FY24).

Staff will continue to return to the Board on a biennial basis to request any additional contract authorization as conditions, program, and project requirements warrant.

#### **BACKGROUND**

To date, staff has awarded TO's and Contract Modifications (MODS) totaling \$50,046,117 with \$16,385,883 in authorized funding remaining. The SESS Consultant has exceeded their DBE commitment by 12.73% percent based on the TOs executed to date. Examples of projects supported by this contract include Metro Operational Simulation Analyses (Washington/Flower junction delays, LRT network recovery analyses, street running delay reduction strategies for A & E lines), Metro G (Orange) Line BRT Improvements, Westside D (Purple) Line 1/2/3, Metro A (Blue) Line Upgrades, East San Fernando Valley Light Rail Transit, Eastside Phase 2 and West Santa Ana Branch Transit. Attachment C 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 required State of Good Repair initiatives, and the Board's desire to accelerate eligible projects before the 2028 Olympics, 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 is over \$23 billion and 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, the SESS can apply and withdraw 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,

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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 C, 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
- L (Gold) Line Eastside Phase 2 Extension
- C (Green) Line South Bay Rail Extension
- West Santa Ana Transit Corridor
- Sepulveda Pass Transit Corridor
- Vermont Transit Corridor
- G (Orange) Line BRT Improvements
- Westside D (Purple) Line Extension Section 1/2/3

## **DETERMINATION OF SAFETY IMPACT**

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 FY24. 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) requiring those services, as well as project studies, other general system engineering issues, and small-scale analyses. The current funds allocated to this effort consist of federal, state, and local sources, including Measure R and Measure M. Using these funding sources maximizes the project funding parameters allowed by approved provisions and guidelines. Alternative funding sources will be applied as additional revenue funding opportunities become available.

### **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. These services are essential for the 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 12.73% with a total DBE participation of 27.73%.

### **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

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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**

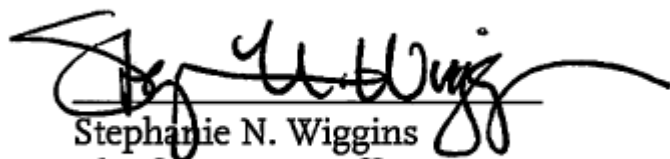
Upon Board approval, specific task orders will be issued on an as-needed basis.

### **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.	<b>Contract Number:</b> AE47810E0128			
2.	<b>Contractor:</b> SECOTrans (Joint Venture of LTK Engineering Services, NBA Engineering Inc., Pacific Railway Enterprises Inc., and Ramos Consulting Services, Inc.).			
3.	<b>Mod. Work Description:</b> Increase the Contract not-to-exceed funding amount.			
4.	<b>Work Description:</b> Systems Engineering Support Services			
5.	<b>The following data is current as of:</b> May 6, 2022			
6.	<b>Contract Completion Status:</b>		<b>Financial Status:</b>	
	<b>Award Date:</b>		<b>Board Approved NTE Amount:</b>	
	April 26 2018		\$66,432,000	
	<b>Notice to Proceed (NTP):</b>		<b>Total Contract Modification Authority (CMA):</b>	
	June 14, 2018		N/A	
	<b>Original Completion Date:</b>		<b>Value of Task Orders and Mods. Issued to Date:</b>	
	June 14, 2025		\$50,046,117	
	<b>Current Est. Complete Date:</b>		<b>Remaining Board Approved Amount:</b>	
	June 14, 2025		\$16,385,883	
7.	<b>Contract Administrator:</b> Diana Sogomonyan		<b>Telephone Number:</b> (213) 922-7243	
8.	<b>Project Manager:</b> Ron Tien		<b>Telephone Number:</b> (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.

Twenty-seven (27) Task Orders and Eighty-four (84) Task Order Modifications have been executed to date. Furthermore, six (6) Administrative Contract Modifications for zero dollars have also been executed to date. Two (2) Task Orders have been closed out where scope of work has been completed and/or level of effort is no longer needed. 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.

On February 27, 2020, the Board of Directors authorized the Chief Executive Officer to award a Task Order (TO No. E0128-TO-016) under the subject contract to SECOTrans (Joint Venture) for the preliminary engineering design of the Rail Operations Center (ROC) / Bus Operations Center (BOC) Architectural and Engineering Systems Design Services, in the NTE amount of \$15,000,000, increasing the previous Board approved NTE amount from \$28,932,000 to NTE \$43,932,000 for Contract No. AE47810E0128.

On May 28, 2020, the Board of Directors further authorized \$22,500,000 for Fiscal Year (FY) 2021, increasing the NTE amount of \$43,932,000 to \$66,432,000.

For FY23 –FY24 period, the estimated NTE amount of \$28,850,000 will be required. Upon approval, the revised Contract NTE funding will be \$95,282,000.

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 \$28,850,000 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.

	<b>Cost Schedule Proposals</b>	<b>Estimate Level of Effort NTE Amount</b>	<b>Recommended NTE Amount</b>
FY 2023	Not Required <sup>(1)</sup>	\$14,050,000 <sup>(2)</sup>	\$14,050,000 <sup>(3)</sup>
FY 2024	Not Required <sup>(1)</sup>	\$14,800,000 <sup>(2)</sup>	\$14,800,000 <sup>(3)</sup>

TOTAL	Not Required	\$28,850,000	\$28,850,000
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- (1) A Cost Schedule Proposal amount was not required. This is a Cost Plus Fixed Fee (CPFF) Task Order Contract with no definable level of effort for the Scope of Work. Hourly labor rates, overhead and fee were negotiated for the contract and determined to be fair and reasonable. Individual future Scopes of Work will be issued on a Task Order basis and executed separately as the work is defined.
- (2) FY23 NTE amount identified by the estimated level of effort NTE for the period starting from July 1, 2022, thru June 30, 2023. FY24 NTE amount identified by the estimate level of effort NTE for the period starting from July 1, 2023, thru June 30, 2024.
- (3) The recommended NTE amount \$14,050,000 and \$14,800,000 (amounts are rounded) is for FY23 –FY24 period (year five and six of the contract base period), respectively. Future work will be funded according to an Annual Work Program, on a two-year basis. The total contract amount will be the aggregate value of all task orders issued to the SESS Consultant through the term of the contract.



**ATTACHMENT B****PROPOSED TASK ORDER WORK****SYSTEMS ENGINEERING SUPPORT SERVICES / CONTRACT NO. AE47810E0128**

<b>Mod./Task Order (TO) No.</b>	<b>Description</b>	<b>Status (Approved or Pending)</b>	<b>Date</b>	<b>Task Order Issued Including Mods</b>	<b>Adjustments Pending TO Close-Out<sup>1</sup></b>	<b>TO Mods in Approval (Current FY)<sup>2</sup></b>
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 ROC/BOC	Approved	2/27/20	---	---	---
N/A	Board of Directors Authorized NTE \$22,500,000 for FY 2021	Approved	5/28/20	---	---	---
<b>Approved Task Orders and Task Order Modifications</b>						
E0128-TO-001	Systems Engineering Support for Crenshaw Project	Approved	7/9/18	\$12,750,453.40	\$(31,227)	---
E0128-TO-002	Program-wide System Engineering Support Services for Systems Engineering Group	Approved	7/27/18	\$5,378,505.43	\$(42,512.65)	---
E0128-TO-003	Overhead Contact Systems (OCS) Support for Maintenance of Wayside Engineering	Approved	9/11/18	\$309,751.25	\$(69,847.00)	---
E0128-TO-004	System-wide Electrical Support for Rail and Bus Projects	Approved	9/11/18	\$145,244.00	\$(11,261.00)	---

E0128-TO-005	Crenshaw Project Design Services During Construction	Approved	9/12/18	\$161,992.00	\$(95,532.00)	---
E0128-TO-006	Rail Systems Engineering Support for New Blue	Approved	10/3/18	\$4,363,632.71	---	---
E0128-TO-007	West Santa Ana Branch Systems Support	Approved	10/1/18	\$120,666.74	\$(41,121.00)	---
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	\$5,206,424.35	\$(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	\$6,454,397.55	\$(58,686)	---
E0128-TO-012	Metro Blue Line Track and OCS Refurbishment	Approved	3/21/19	\$1,545,041.54	\$(16,196.22)	---
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)	---
E0128-TO-015	Airport Metro Connector Engineering Support	Approved	9/12/19	\$1,259,804.00	---	---

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	---	---
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	\$427,963.00	---	---
E0128-TO-021	Systems Engineering DSDC Support for Purple Line Extension Sec. 1	Approved	1/29/20	\$1,869,152.00	---	---
E0128-TO-022	Systems Engineering DSDC Support for Regional Connector Project	Approved	4/24/20	\$1,391,886.00	---	---
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	\$524,716.00	---	---

E0128-TO-025	Systems Engineering Design Services During Construction Support for Metro Center Project - FY21 Level of Effort	Approved	3/18/21	\$244,387.00	---	\$87,405
E0128-TO-026	Purple Line Extension Section 2 Systems Engineering Support Services	Approved	9/17/21	\$375,249.00	---	---
E0128-TO-027	Metro G Line (formerly Orange Line) Systems Engineering Support	Approved	7/20/21	\$206,573.00	---	---
<b>Approved Contract Modifications</b>						
E0128-00-MOD-00001	Update to Advanced Cost Agreement (LTK, DE, GF and IC)	Approved	9/6/18	\$0.00	---	---
E0128-00-MOD-00002	Updates to Advanced Cost Agreement (Home Office Rates 2019: Atkins, FN, GF, IEI, ICI, RCS)	Approved	12/14/18	\$0.00	---	---
E0128-00-MOD-00003	Revise Spec. Section CP-04 Payment & Invoicing Part C.1 - Invoicing	Approved	1/11/19	\$0.00	---	---
E0128-00-MOD-00004	Direct Hourly Labor Rates Adjusted for 2019	Approved	2/6/19	\$0.00	---	---
E0128-00-MOD-00005	Updates to Contract: Form of Contract, ACA Rates, Add/Delete Subconsultants and	Approved	4/20/21	\$0.00	---	---

	Corrections					
EO128-00-MOD-00006	Updates to Contract: Form of Contract, ACA Rates, New Positions and Delete Subconsultant FNC	Approved	3/14/22	\$0.00	---	---
	<b>Subtotal Approved TOs and Contract Mods</b>			<b>\$50,046,116.65</b>		
<b>Pending Task Orders and Task Order Mods</b>						
TBD	Future Anticipated Task Orders for FY22	Pending	TBD	---	---	\$1,899,323.35
TBD	Future Anticipated Task Orders for FY23 and FY24	Pending	TBD	---	---	\$28,850,000
	<b>Subtotal Pending TOs and TO Mods</b>					<b>\$30,749,323.35</b>
	<b>Task Orders Approved</b>	---	---	<b>\$50,046,116.65</b>	---	---
	<b>Adjustments Pending TO Close-Out</b>	---	---	---	<b>(\$513,440)</b>	
	<b>Pending TOs and TO Mods</b>	---	---	---	---	<b>\$30,749,323.35</b>
	<b>Future Anticipated Task Orders for FY23 and FY24</b>	---	---	---	---	<b>\$28,850,000</b>
	<b>Total Contract NTE Amount Plus Funding Needed for Future Anticipated Task Orders for FY23 and FY24</b>	---	---	---	---	<b>\$95,282,000</b>

NOTES:

<sup>1</sup> 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.

<sup>2</sup> Task Orders and Task Order Modifications with Cost Schedule Price (CSP) received and pending approval for FY 2022.

BOARD ACTIONS	
Board Approved Funding – Current Contract Value	\$66,432,000.00
This Board Action	\$28,850,000
New Contract Value	\$95,282,000

## DEOD SUMMARY

## SYSTEMS ENGINEERING SUPPORT SERVICES/AE47810E0128

**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 this contract. The overall DBE participation is based on the cumulative value of all task orders issued.

To date, twenty-six (26) task orders have been awarded. Based on payments reported, the contract is 78% complete and the cumulative DBE participation of all task orders awarded is 27.73%. SECOTrans is exceeding their DBE commitment by 12.73%.

SECOTrans acknowledges that four (4) DBE firms listed on the team have not been utilized and contends that task orders issued to-date have not contained the scope of work to be provided by those DBE firms. SECOTrans remains committed to utilize all the DBE firms listed on the team, as Metro issues new task orders that include their scopes of work.

Notwithstanding, Metro Project Managers and Contract Administrators will work in conjunction with DEOD to ensure that SECOTrans (JV) remains on schedule to meet or exceed its DBE commitment.

<b>Small Business Commitment</b>	<b>15% DBE</b>	<b>Small Business Participation</b>	<b>27.73% DBE</b>
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	<b>DBE Contractors</b>	<b>Ethnicity</b>	<b>Current Participation</b>
1.	NBA Engineering, Inc. (JV Partner / DBE Prime)	Caucasian Female	5.17%
2.	Pacific Railway Enterprises, Inc. (JV Partner / DBE Prime)	Caucasian Female	1.42%
3.	Ramos Consulting Services (JV Partner / DBE Prime)	Hispanic American	8.70%
4.	Arakelyan Drafting Services, Inc.	Caucasian Female	0.00%
5.	Destination Enterprises, Inc.	Caucasian Female	3.57%
6.	Enabled Enterprises LLC	Asian-Pacific American	0.00%
7.	Fariba Nation Consulting (Substituted)	Caucasian Female	0.80%
8.	Intueor Consulting, Inc.	Subcontinent Asian American	2.68%

9.	PK Electrical Inc.	Caucasian Female	0.00%
10.	ROMAR7 LLC	Asian-Pacific American	0.00%
11.	Triunity Engineering and Management, Inc.	Black American	5.39%
12.	Birdi Systems, Inc.	Subcontinent Asian American	0.00%
<b>Total Participation</b>			<b>27.73%</b>

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

**B. Living Wage and Service Contract Worker Retention Policy Applicability**

The Living Wage and Service Contract Worker Retention Policy is not applicable to this contract.

**C. Prevailing Wage Applicability**

Prevailing wage is not applicable to this contract.

**D. Project Labor Agreement/Construction Careers Policy**

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