



Metro

Los Angeles County  
Metropolitan Transportation  
Authority  
One Gateway Plaza  
3rd Floor Board Room  
Los Angeles, CA

## Board Report

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**File #:** 2019-0756, **File Type:** Project

**Agenda Number:** 31.

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## 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 not-to-exceed amount in the amount of \$15,000,000, from \$28,932,000 to \$43,932,000 and issue Task Order No. E0128-016 Rail Operations Center (ROC) / Bus Operations Center (BOC) Architectural and Engineering Systems Design Services.		
4.	<b>Work Description:</b> Systems Engineering Support Services		
5.	<b>The following data is current as of:</b> December 17, 2019		
6.	<b>Contract Completion Status:</b>		<b>Financial Status:</b>
	<b>Award Date:</b>	<b>April 26 2018</b>	<b>Board Approved NTE Amount:</b> \$28,932,000
	<b>Notice to Proceed (NTP):</b>	<b>June 14, 2018</b>	<b>Total Contract Modification Authority (CMA):</b> N/A
	<b>Original Completion Date:</b>	<b>June 14, 2025</b>	<b>Value of Task Orders and Mods. Issued to Date (including this action):</b> \$24,762,374
	<b>Current Est. Complete Date:</b>	<b>June 14, 2025</b>	<b>Remaining Board Approved Amount:</b> \$4,169,626
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, in the amount not-to-exceed \$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 and includes three (3) one-year options to be exercised at Metro's sole discretion.

Forty-nine (49) Task Orders have been issued to SECOTrans to date. Four (4) Contract Modifications have been issued for zero dollars.

This Board action is to approve an increase to the total authorized funding for Contract No. AE47810E0128, to negotiate and execute Task Order No. E0128-TO-016 Rail Operations Center (ROC) / Bus Operations Center (BOC) Architectural and Engineering Systems Design Services in an amount not-to-exceed \$15,000,000.

Task Order No. E0128-TO-016 Scope of Work consists of developing the space and systems design for the ROC and BOC into the Emergency Security Operations Center (ESOC). The Consultant will provide state-of-the-art design, allowing for the continued application and utilization of technological advances to streamline operations while supplying a safe, effective, efficient, and scalable work environment for Metro personnel. The Consultant will provide space and systems schematic design recommendations on the best ways that the ROC and BOC can be integrated within The Center Street Project. Furthermore, the Consultant will design conversion of the existing ROC to a redundant secondary backup ROC and BOC, to ensure the seamless transition of communication, command and control.

The Task Order to the Contract will be processed in accordance with Metro’s Acquisition Policy. Contract No. AE47810E0128 is a cost plus fixed fee (CPFF) Contract.

**B. Cost/Price Analysis**

The final negotiated amount will comply with all requirements of Metro’s Acquisition Policy and Procedures. A cost analysis will be performed, taking into consideration the completed Independent Cost Estimate and technical audit, utilizing labor and indirect cost rates already establish in the contract.

COST SCHEDULE PROPOSAL	INDEPENDENT COST ESTIMATE	NEGOTIATED AMOUNT
To be submitted	\$15,779,279	TBD

DEOD SUMMARY

SYSTEMS ENGINEERING SUPPORT SERVICES / CONTRACT NO. 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% Disadvantaged Business Enterprise (DBE) commitment for this on-call Contract. The project is 34% complete and SECOTrans is exceeding their DBE commitment with 26.76% participation, based on the aggregate of all Task Orders awarded to date.

The DBE commitment for the proposed Task Order No. E0128-TO-016 - Rail Operations Center (ROC) / Bus Operations Center (BOC) Architectural and Engineering Systems Design Services will be determined upon completion of negotiations.

SMALL BUSINESS COMMITMENT		15% DBE	SMALL BUSINESS PARTICIPATION		26.76% DBE
	DBE Contractors	Scope of Work	NAICS Codes	Ethnicity	Current Participation
1.	NBA Engineering, Inc. (JV Partner / DBE Prime)	MEP Engineering	541330 - Engineering Services	Caucasian Female	4.92%
2.	Pacific Consulting Service, Inc. (JV Partner / DBE Prime)	Railroad Signal and Communications System Design and Engineering	541330 - Engineering Services 541340 - Drafting Service 541512 - Computer System Design Services	Caucasian Female	.05%
3.	Ramos Consulting Services (JV Partner / DBE Prime)	Systems Engineering and Support Services	541330 - Engineering Services 541611 - Administrative Management and General Management Consulting Services	Hispanic American	8.38%
4.	Arakelyan Drafting Services, Inc.	Computer Aided Drafting and Design	541340 - Drafting Services	Other Female	TBD
5.	Destination Enterprises, Inc.	Systems Construction Management, Project	236220 - Commercial and Institutional Building Construction	Caucasian Female	8.14%

		Management, Inspection Estimating and Scheduling	237990 - Other Heavy and Civil Engineering Construction 541990 - All Other Professional, Scientific, and Technical Services 541611 - Administrative Management and General Management Consulting Services		
6.	Enabled Enterprises LLC	IT Infrastructure Systems and Network Architecture, Design, Engineering, and Project Management, Application Development	541511 - Custom Computer Programming Services 541512 - Computer Systems Design Services 541519 - Other Computer Related Services	Asian Pacific American	TBD
7.	Fariba Nation Consulting	Systems Engineering Design	541614 - Process, Physical Distribution, and Logistics Consulting Services 541611 - Administrative Management and General Management Consulting Services	Other Female	1.69%
8.	Intueor Consulting, Inc.	Systems Engineering CM/DSDC	541614 - Process, Physical Distribution, and Logistics Consulting Services 541611 - Administrative Management and General Management Consulting Services	Asian Sub-continent American	0.84%
9.	PK Electrical Inc.	Electrical Engineering	541330 - Engineering Services	Caucasian Female	TBD
10.	ROMAR7 LLC	Computer Aided Drafting and Design	541340 - Drafting Services 541512 - Computer System Design Services 561110 - Office Admin Services	Asian Pacific Female	TBD

11.	Triunity Engineering and Management, Inc.	Communications Design, System Integration and Analysis	541330 - Engineering Services	African American	2.74%
	<b>Total Participation</b>				<b>26.76%</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 (LW/SCWRP) is not applicable on 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.

**ATTACHMENT C**

**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>Pending TO Mods</b>	<b>Pending TO</b>
N/A	Initial Authorized Funding	Approved	4/26/18	\$28,932,000	---	---
E0128-TO-01	Systems Engineering Support for Crenshaw Project	Approved	7/9/18	\$4,963,761	(\$31,227)	
E0128-TO-02	Program-wide System Engineering Support Services for Systems Engineering Group	Approved	7/27/18	\$3,089,670	(\$391,096)	---
E0128-TO-03	Overhead Contact Systems (OCS) Support for Maintenance of Wayside Engineering	Approved	9/11/18	\$309,751	(\$69,847)	
E0128-TO-04	System-wide Electrical Support for Rail and Bus Projects	Approved	9/11/18	\$145,244	(\$11,261)	
E0128-TO-05	Crenshaw Project Design Services During Construction	Approved	9/12/18	\$161,992	(\$95,532)	
E0128-TO-06	Rail Systems Engineering Support for New Blue	Approved	10/3/18	\$3,817,827	(\$368,522)	
E0128-TO-07	West Santa Ana Branch Systems Support	Approved	10/1/18	\$120,667	(\$41,121)	
E0128-TO-08	System-wide Operations and Maintenance Plan	Approved	10/10/18	\$798,543	(\$77,672)	

E0128-TO-09	Division 20 Portal Widening Turnback Project Systems Engineering Support	Approved	10/30/18	\$882,609	(\$40,017)	
E0128-TO-10	West Santa Ana Branch (WSAB) Project Conceptual Engineering	Approved	11/16/18	\$5,100,555	(\$227,492)	
E0128-TO-11	East San Fernando Valley (ESFV) Conceptual Engineering	Approved	12/3/18	\$3,862,840	(\$58,686)	
E0128-TO-12	Metro Blue Line Track and OCS Refurbishment	Approved	3/21/19	\$1,545,042	---	---
E0128-TO-13	Metro Systems Support for Green Line/Crenshaw Operations	Approved	4/10/19	\$262,675	---	---
E0128-TO-14	Metro Red/Purple Line and Regional Connector Operational Simulation Support	Approved	4/25/19	\$677,959	---	---
E0128-TO-15	Airport Metro Connector Engineering Support	Approved	9/12/19	\$360,138	---	---
E0128-TO-17	Centinela Grade Separation Conceptual Engineering	Approved	11/4/19	\$75,574	---	---
EO128-00-MOD-00001	Update to Advanced Cost Agreement (LTK, DE, GF and IC)	Approved	9/6/18	\$0.00	---	---
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	---	---
	<b>Subtotal Approved TOs</b>			<b>\$26,174,847</b>		
E0128-TO-18	Metro Gold Line Foothills 2B Extension Systems Engineering Support	Pending	TBD		---	\$145,500
E0128-TO-19	Metro Gold Line Eastside Phase 2 Conceptual Engineering	Pending	TBD		---	\$700,000
TBD	Future Anticipated Task Orders	Pending	TBD			\$3,324,126
	<b>Subtotal Pending TOs</b>					<b>\$4,169,626</b>
E0128-TO-16	Rail Operations Center (ROC) / Bus Operations Center (BOC) Architectural and Engineering Systems Design Services	Pending	TBD		---	\$15,000,000
	<b>Subtotal This Board Action</b>					<b>\$19,169,626</b>
	<b>Task Orders Approved</b>			<b>\$26,174,847</b>		
	<b>Task Order Pending Mods</b>				<b>(\$1,412,473)</b>	
	<b>Pending TO</b>					<b>\$19,169,626</b>
	<b>Adjusted Contract Value Including TO Mods and Pending TO</b>			<b>\$24,762,374</b>		
	<b>Total Pending TOs Plus This Board Action</b>			<b>\$19,169,626</b>		

	<b>Total TO Amount</b>			<b>\$43,932,000</b>		
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<b>SUMMARY</b>						
	<b>Adjusted Contract Value</b>			<b>\$24,762,374</b>		
	<b>Pending TOs</b>			<b>\$4,169,626</b>		
	<b>Board Approved Funding</b>			<b>\$28,932,000</b>		
	<b>This Board Action</b>			<b>\$15,000,000</b>		
	<b>New Contract Value</b>			<b>\$43,932,000</b>		

Attachment D

ALLOCATION FROM FY20 BUDGET

Union	Position	# of FTEs	Start (MMM-YY)	End (MMM-YY)*
NC	Manager, Rail Transportation	1	Feb-20	Feb-25
NC	Manager, Bus Transportation	1	Feb-20	Feb-25
NC	Supervising Engineer (SCADA)	1	Feb-20	Feb-25
NC	Senior Manager, Systems Projects	1	Feb-20	Feb-25

\*or to Project Completion

4