



Board Report

File #: 2021-0670, File Type: Contract

Agenda Number: 29.

CONSTRUCTION COMMITTEE NOVEMBER 18, 2021

SUBJECT: PROGRAM MANAGEMENT SUPPORT SERVICES

ACTION: APPROVE RECOMMENDATIONS

RECOMMENDATION

AUTHORIZE:

- A. The exercise of the two-year option for Contract No. AE35279 with Kal Krishnan Consulting Services/Triunity Engineering and Management Joint Venture (KTJV), a small business prime, in the amount not-to-exceed \$27,461,365 for FY23 and FY24, increasing the authorized total funding limit from \$73,644,591 to \$101,105,956; and
- B. The CEO or designee to execute individual Contract Work Orders (CWOs) and Contract Modifications within the Board authorized contract funding amount.

ISSUE

In June 2017, the Board approved awarding a five-year cost reimbursable fixed fee Contract No. AE35279, plus one two-year option, to KTJV, a DBE Prime Joint Venture, for Program Management Support Services for not-to-exceed \$90,809,070. This created the largest small business led consultant services contract at Metro.

This is a task order-based contract that is incrementally funded through Board action. Board action provided initial funding not-to-exceed \$24,970,960 through the end of FY19 as part of a multiyear contract with an anticipated five-year base contract value of \$63,347,705 plus \$27,461,365 for one two-year option, for a combined total amount not-to-exceed \$90,809,070 for seven years.

BACKGROUND

In April 2019, the Board approved two additional years of funding, increasing the total not-to-exceed amount to \$51,306,204 for the first four years of the contract. In May 2020, the Board approved an increase in authorized funding for the Contract by \$12,041,501, for a new funding limit not-to-exceed \$63,347,705. In May 2021, the Board approved an increase in authorized funding for the Contract by \$10,296,886, for a new funding limit not-to-exceed \$73,644,591.

To date, staff has awarded CWO/Modifications totaling \$72,903,197.77 for CWOs with a period of performance through FY22 and has \$741,393.23 of the authorized funding remaining. Attachment B lists the PMSS contract CWO/Modifications executed to date. Each of the CWOs are funded from the associated projects' budget within the limits of Board authorization. Use of the Contract exceeded staff expectation due, in part, to Board directed acceleration of projects in FY19 and FY20. With only the FY22 balance in current authorization remaining uncommitted and to ensure continuity of the professional services for ongoing future project support, Metro requests authorization to exercise the two-year option in the amount not-to-exceed \$27,461,365, for total authorized Contract funding not-to-exceed \$101,105,956.

Extending the contract duration to include the option period is beneficial to ensure consistent, reliable consultant services without interruption through the conclusion of the PMSS contract. During these final years of the contract, Metro will begin procurement of a new contract to ensure a seamless transition of services to mitigate disruption to the projects in need of consultant staff.

Metro's Management Audit Services (MAS) department conducted a performance audit of the PMSS contract in accordance with the Board Motion 32. On August 20, 2021, MAS issued formal audit notification to Kal Krishnan Consulting Services, Inc./Triunity Engineering & Management Joint Venture (KTJV).

The audit objective was to assess conformity of services performed and billed by the contractor to the scope of work and other provisions of the contract. The period for review is the contract execution date of August 18, 2017 through June 30, 2021.

In addition, MAS identified two focus areas for the performance audit, which were to:

- evaluate compliance with specific terms of the contract related to qualifications, performance, and quality; and
- verify whether work order billing is accurate, substantiated by supporting documents and in compliance with the contract.

The results of the performance audit are issued as a separate report in accordance with MAS reporting standards and practices for independent reporting to the Chief Executive Officer and Metro Board of Directors.

The Office of Inspector General (OIG) department conducted a more macro audit regarding Board's concerns to use in directing further action on the PMSS contract. OIG examined internal policies and practices used to track and evaluate contractor performance, internal practices to track and evaluate the professional services budget, and internal policies used to foster continuous improvement of staffing.

The results of this audit are issued as a separate report in accordance with OIG reporting standards and practices for independent reporting to the Metro Board of Directors.

DISCUSSION

Metro is continuing to undertake the largest transportation construction program in the nation. This creates an unprecedented challenge to project delivery. Recognizing that staffing is a key factor in project delivery, Program Management is committed to developing strengths in its capacity and capability to ensure the multi-billion-dollar capital program can be successfully managed. Attachment E lists the projects that the Contract currently supports and those we anticipate it will support over the duration of the PMSS contract.

Metro staff works with KTJV to scale staff up or down depending on Metro's transit, highway, regional rail and other capital improvement program needs. With the volume of work that accompanies Metro's fast-paced Capital program, the PMSS Contract utilization to assist Program Management in securing enough qualified, flexible resources across a broad spectrum of disciplines in a timely manner needed to manage and support delivery of Board approved projects has increased significantly. This resource availability is especially crucial as Metro endeavors to compete with other agencies in a very tight labor market, as explained in the most recent Los Angeles Construction Market Analysis report prepared in September 2021.

Scope

To support the aggressive project implementation schedule for delivering Metro's Capital Program, close coordination and expertise across multiple disciplines are required in the following eight key functions: project management, program management, project delivery development support, project control, estimating, configuration management, project management and other technical training, and Project Management Information System (PMIS) support services. In addition, the scope has allowed for small business contract compliance support assisting Vendor/Contract Management (V/CM) to efficiently provide sufficient staffing needed to perform V/CM support activities.

Combining all the above functions together into one contract has allowed for a better coordinated and more efficient allocation of resources for Metro than would be possible under a series of separate contracts. To date, the PMSS contract has succeeded in fulfilling the consultant staffing demand on a program-wide level on various multiple transit, regional rail, highway, and other capital improvement projects through utilization of its 23 mostly local-based firms that comprise the KTJV team.

Contract funds are accessed by Metro Project Managers by issuing separate CWOs for various projects using labor classifications and rates set forth in the contract, with funding solely supported through the Life of Project budget. This method of contracting results in more efficient cost and schedule management, since CWOs and modifications to existing CWOs are negotiated and issued as work is identified. For each CWO or modification, Metro prepares a scope of work and an estimate of hours, and KTJV subsequently provides a proposal. Metro and KTJV will fact-find and negotiate the hours if there is a discrepancy. After agreement, the CWO is issued and the work proceeds.

Consultant Services

To date, KTJV has completed and is continuing staff augmentation assignments on major transit construction projects, miscellaneous capital projects, security and safety projects, rail and bus facility improvements, wayside systems, soundwalls, Regional Rail, Highway, and Environmental projects; Metro Gateway staff augmentation for program-wide support; specialty assignments such as constructability review, risk assessment support, procedure writing and training, Project Management Information System (PMIS), Lessons Learned/Best Management Practices implementation, WIN LA,

DBE Compliance Monitoring Support Services, DBE Commercially Useful Functions, and P3 capability development support; and other projects as necessary (see Attachments B and E).

Metro staff conducts an annual contractor performance evaluation of KTJV and they have scored good to excellent on all categories including contract conformance, budget and schedule performance, quality of firm services and augmented staff. KTJV has been responsive and works with Metro staff to provide the qualified resources necessary for Program Management to meet the aggressive implementation schedule for delivering Metro's Capital Program. Metro DEOD assigned a 30% DBE commitment for this Contract. KTJV proposed a 73.31% DBE commitment and will continue working with Metro by prioritizing DBE participation on future contract work orders to meet that commitment through the end of the Contract.

DETERMINATION OF SAFETY IMPACT

This Board action will not have an impact on established safety standards for Metro's capital projects.

FINANCIAL IMPACT

The not-to-exceed award value is based on the anticipated level of services. Each individual CWO will be funded from the associated projects' budget, within the limits of Board authorization. The project managers, cost managers and Chief Program Management Officer will be accountable for budgeting the cost in future years, including cost associated with exercising the option.

Impact to Budget

There will be no additional impact beyond the approved annual budget or respective project's authorized LOP amounts, where applicable. Most of the projects are funded with multiple sources of funds: federal and state grants, federal loans, bonds and local sales taxes. Much of local sales taxes are eligible for bus and rail operations and capital improvements. These funds are programmed to state of good repair projects and to augment the costs of mega projects, where eligible and appropriate

EQUITY PLATFORM

Metro is committed to the Disadvantaged Business Enterprise Program providing a direct route for minority/women-owned businesses to work and grow with Metro. This Contract consists of two DBE Prime firms and 23 subconsultants, 13 of which are also DBE firms. This high proportion of DBE participation is anticipated to offset any potential barriers for DBEs on this bundled contract. Work under this Contract is authorized through the issuance of individual contract work orders (CWO). CWOs are created based on the type of work requested by Metro projects among the multiple firms under the Contract subject to the DBE requirements of the Contract.

KTJV made a 73.31% DBE commitment for this contract making it the largest small business consultant services contract at Metro. To date, 54 CWO's and their Modifications have been awarded. The overall DBE participation for this contract based on the cumulative value of all Contract Work

Orders (CWO) issued. KTJV continues to work with Metro and their subconsultants to prioritize DBE participation on the contract work orders to meet the committed 73.31% DBE utilization.

IMPLEMENTATION OF STRATEGIC PLAN GOALS

Recommendation supports Strategic Plan Goal #1 - Provide high-quality mobility options that enable people to spend less time traveling. This will be accomplished by providing program-wide support services to assist in delivering multiple capital projects on time and on budget while increasing opportunities for small business development and innovation.

ALTERNATIVES CONSIDERED

The Board may elect to discontinue using KTJV for PMSS. Staff does not recommend this alternative as the Program Management capital projects are in various degrees of completion and the loss of continuity of staff would cause these projects to be significantly impacted.

Another alternative would be to hire Metro staff to perform the required services. This alternative is also not recommended since the intent of the PMSS is to augment Metro staff in terms of technical expertise and availability of personnel. PMSS are typically required on a periodic or short-term basis to accommodate for peak workloads or specific tasks over the life of the projects. Further, for some projects, the specific technical expertise required may not be available within the ranks of Metro staff, whereas the KTJV consultant can provide the technical expertise on an as-needed basis.

NEXT STEPS

Upon Board approval, staff will continue to issue Contract Work Orders, as needed.

ATTACHMENTS

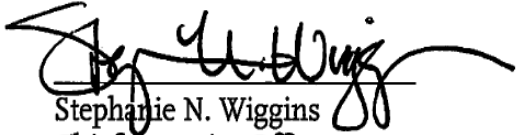
- Attachment A - Procurement Summary
- Attachment B - Contract Work Order/Modification Log
- Attachment C - DEOD Summary
- Attachment D - Current Support Provided by Project Category
- Attachment E - Current and Anticipated List of Projects

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Stephanie N. Wiggins
Chief Executive Officer

PROCUREMENT SUMMARY

PROGRAM MANAGEMENT SUPPORT SERVICES (PMSS)

1.	Contract Number: AE35279		
2.	Contractor: Kal Krishnan Consulting Services/Triunity Engineering and Management Joint Venture (KTJV)		
3.	Mod. Work Description: Funding for additional Contract Work Orders for projects listed in Attachment D – Anticipated List of Projects		
4.	Contract Work Description: Program Management Support Services (PMSS)		
5.	The following data is current as of: October 12, 2021		
6.	Contract Completion Status		Financial Status
	Contract Awarded:	June 22, 2017	Original authorized funding limit: \$ 24,970,960.00
	Contract Executed Date:	August 18, 2017	Total of Contract Work Orders and Modifications Approved: \$ 72,903,197.77
	Original Completion Date:	August 18, 2022	Proposed and Pending Contract Work Orders and Modifications (including this action): \$ 28,202,758.
	Current Est. Completion Date:	August 18, 2024	Total authorized funding limit (with this action): \$ 101,105,956.
7.	Contract Administrator: Robert Romanowski		Telephone Number: (213) 922-2633
8.	Project Manager: Mayumi Lyon		Telephone Number: (213) 922-4020

A. Procurement Background

On June 22, 2017, the Board approved award of Contract No. AE35279 to Kal Krishnan Consulting Services/Triunity Engineering and Management Joint Venture (KTJV) for five years with funding approval through FY2019 in the amount of \$24,970,960.00, for the Scope of Services included in the Program Management Support Services (PMSS) Contract.

On April 25, 2019, the Board approved additional funding, increasing the total not-to-exceed amount to \$51,306,204 for the Work.

Attachment B shows that Fifty-Four Contract Work Orders and their Modifications have been issued to date to authorize and/or delete work, totaling \$72,903,197.77.

This Board Action is to approve an increase to the total authorized funding for Contract No. AE35279 in support of additional Program Management Support Services (PMSS) needs.

B. Cost/Price Analysis

All direct labor rates as modified by the annual economic price adjustment and the negotiated fixed fee factor for this cost reimbursable plus fixed fee contract remain unchanged from the original contract.

A fair and reasonable price for all future Contract Work Orders will be determined based upon fact finding, scope definition, technical evaluation, cost analysis, and negotiations before issuing work to the Consultant. Contract Work Orders will be processed in accordance with Procurement Policies and

Procedures,
within the
additional funding
requested.

CONTRACT WORK ORDER (CWO)/MODIFICATION LOG

ATTACHMENT B

Project	CWO #	Description / Working Title	Total Contract Value	Date Executed	PoP Ends
Program Control Admin.	1	Program-wide Management Support: Metro requires Program Management Support Services (PMSS) in support of delivering Metro's transit, highway, regional rail, and other capital improvement projects on-time and within budget. The Consultant shall allocate technical expertise and proper resources in a timely manner, manage the contract budget, prepare forms and submittals as required, in addition to control, monitor, report on all costs, expenditures, schedule, and understand the contract requirements.	\$645,684.71	8/31/2017	6/30/2018
	1.1	Program-wide Management Support - Modify to Add Risk Assessment Advisor: This modification adds James Zack Consulting, LLC to the CWO.	\$16,350.00	11/15/2017	6/30/2018
	1.2	Program-wide Management Support - Modify City of Los Angeles Guidelines for LA Metro Projects: Program Management requires additional personnel with different technical expertise be added to perform priority policies and procedures.	\$57,629.36	1/23/2018	6/30/2018
	1.3	Program-wide Management Support - Extend PoP for FY19 (SOW same as original)	\$724,833.00	6/20/2018	6/30/2019
	1.4	Vehicle Lease for DEO, Cost Estimating: Metro requires a vehicle lease for DEO, Cost Estimating for travel to the Integrated Project Management Offices (IPMOs) and other work-related locations with a not to exceed yearly mileage of 12,000 miles.	\$9,303.00	8/24/2018	8/18/2019
	1.5	Add Facilitator/ Instructor for Program Management Leadership Team Workshop: facilitate a leadership team workshop of up to 30 Executive and Deputy Executive level attendees; create draft curriculum focused on themes of communication/trust, provide all handouts, presentations to conduct and facilitate the workshop; staff interviews; Final Workshop curriculum; workshop on October 19, 2018; post workshop meeting debrief to discuss consultant recommendations.	\$24,164.51	10/9/2018	6/30/2019
	1.6	Vehicles: three 24-month vehicle leases for New Blue projects and two 24-month vehicle leases for Soundwall 11 for travel to work-related locations with a not to exceed yearly mileage of 12,000 miles per vehicle. Metro staff may only use the vehicle for project use. The eligible costs including monthly costs for the lease, insurance, registration, and vehicle safety equipment and allocation for fuel and maintenance were included in the calculated NTE final value.	\$135,884.50	10/9/2018	10/30/2020
	1.7	Parking: Modify to add monthly parking passes for each vehicle added in MOD 6. Three 24-month parking passes for New Blue projects and two 24-month parking passes for Soundwall 11. Include one-time fee for the parking card for each vehicle.	\$10,230.00	11/15/2018	10/30/2020
	1.8	Program - wide Management Support - Extend PoP for FY20 (SOW same as original)	\$762,538.00	8/5/2019	6/30/2020
	1.9	Vehicle lease extension for Cost Estimating	\$8,867.00	10/29/2020	9/30/2020
	1.10	Sr. Program Management Analyst support for Project Control tasks such as coordinating meetings, tracking contract budgets, creating and dispersing reports, etc.	\$95,405.00	10/18/2020	6/30/2020
	1.11	Continued PMSS through FY21	\$477,218.00	7/9/2020	6/30/2021
	1.12	Vehicle Lease Extension - FY21	\$75,277.00	1/21/2021	10/31/2022
1.13	Continued PMSS through FY22	\$500,000.00	8/10/2021	6/30/2022	
ESOC	2	Constructability Evaluation and Risk Assessment Review: The Contractor shall perform a Constructability Evaluation and Risk Assessment relating to the Emergency Security Operation Center (ESOC) Project, particularly as it relates to transferred risks.	\$114,797.62	9/18/2017	11/17/2017
	2.1	Constructability Evaluation and Risk Assessment Review Mod 001 - Review of Cost Estimate: Contractor shall perform a Constructability Evaluation and Risk Assessment relating to the Emergency Security Operation Center Project, particularly as it relates to transferred risks. Modification No.1 to the subject CWO is required to add estimate review scope.	\$19,205.95	10/27/2017	11/17/2017
	2.2	Constructability Evaluation and Risk Assessment Review Mod 002 - Time Extension through December 17, 2017. The scope of services, as detailed in CWO-002, remains unchanged and there is no increase to the contract value.	\$0.00	11/15/2017	1/31/2018
	2.3	Constructability Evaluation and Risk Assessment Review Mod 003 - ODC's - Travel and Time Extension: Modify Contract Work Order AE35279-002 to add Other Direct Costs (ODCs) -Travel, for previously approved personnel of Consultant to attend one review meeting with Metro staff. Extend Period of Performance for Contract Work Order AE35279-002 from December 17, 2017 to January 31, 2018	\$1,631.00	12/8/2017	1/31/2018
	2.4	Constructability Evaluation and Risk Assessment Review Mod 004 - Time Extension through March 31, 2018. The scope of services, as detailed in CWO-002, remains unchanged and there is no increase to the contract value.	\$0.00	1/30/2018	3/31/2018
	2.5	Constructability Evaluation and Risk Assessment Review Mod 005 - Time Extension through June 30, 2018. The scope of services remains unchanged and there is no increase to the contract value.	\$0.00	3/13/2018	6/30/2018
	2.6	CWO Closeout	(\$12,847.75)	3/18/2020	3/30/2020
Project Delivery Support	3	Project Delivery Development Support - Overall advice and assistance are required on federal and project implementation issues that arise on Metro's major capital, including assistance on National Environmental Policy Act (NEPA) issues and documents, and litigation issues involving or affecting Metro projects.	\$300,000.00	9/12/2017	6/30/2018
	3.1	Project Delivery Development Support - Modified Direct Rate Ranges: Remove the fixed "Rate Per Hour" for the Project Delivery & Contract Development Technical Advisor and replace it with a "Direct Rate Range".	\$0.00	10/26/2017	10/26/2017
	3.2	Project Delivery Development Support - Extend PoP for FY19: continuation of support services for FY19; overall advice and assistance required on federal and project implementation issues that arise on Metro major capital projects including NEPA, full funding grant agreement, and litigation affecting the projects.	\$224,561.00	6/29/2018	6/30/2019
	3.3	Overall Advice and assistance are required on federal and project implementation issues that arise on Metro's major capital, including assistance on National Environmental Policy Act (NEPA) issues and documents, full funding grant agreement - Program Control, WPLE 2, WPLE 3	\$116,880.00	6/28/2019	6/30/2020
	3.4	Addition of support services for Capital investment grants as outlined in the original SOW & deletion of work for Construction Administration	(\$1.00)	5/7/2020	7/31/2020
	3.5	PoP extension of Project Delivery Development support	\$0.00	6/29/2020	7/31/2021
	3.6	Capital Investment Grants - Increase Level of Effort and Budget	\$20,000.00	4/15/2021	7/31/2021
	3.7	PoP extension of Project Delivery Development support	\$0.00	6/4/2021	7/31/2022
Crenshaw LAX SWY	4	Cost Estimating Support Services for CrenshawLAX and SW Yard Projects: Metro requires program control support services for CrenshawLAX and Division 16 Southwestern Yard Maintenance Projects; services to assist Metro to perform estimating functions: support development of budgets for the projects, support design optimization and constructability of the projects, and support procurement and administration of both project contracts.	\$1,057,745.06	9/15/2017	6/30/2018
	4.1	CrenshawLAX & Southwestern Yard Projects: Metro requires construction management support/Sr. Configuration Management Analyst on Division 16 Southwestern Yard Maintenance Project to be added to the program control support services scope.	\$121,907.44	11/13/2017	6/30/2018
	4.2	Cost Estimating Support Services for CrenshawLAX and SW Yard Projects - Add Personnel: Metro requires additional Sr. Cost Estimator to support CrenshawLAX and Division 16 Southwestern Yard Maintenance Projects and has designated an existing Sr. Cost Estimator with increased complexity of tasks justifying a rate increase.	\$148,972.69	12/22/2017	6/30/2018
	4.3	CrenshawLAX & Southwestern Yard Projects - Scheduling Support: addition of an experienced scheduler to perform schedule analysis tasks.	\$27,093.33	2/1/2018	6/30/2018

CONTRACT WORK ORDER (CWO)/MODIFICATION LOG

ATTACHMENT B

Crenshaw LAX SWY	4.4	Cost Estimating Support Services for Crenshaw/LAX and SW Yard Projects - Additional estimating personnel including Sr. Estimator and Cost Estimating Manager to support existing scope; funding already in existence through original CWO.	\$0.00	5/4/2018	6/30/2018
	4.5	Crenshaw/LAX & Southwestern Yard Projects - Program Control Support Services - Extend Period of Performance: continuation of support services through FY19.	\$1,804,836.00	6/25/2018	6/30/2019
	4.6	Add experienced scheduling support services for Crenshaw/LAX project to perform schedule analysis tasks.	\$218,069.00	9/5/2018	6/30/2019
	4.7	Add Sr. Configuration Management Analyst: addition of an experienced Sr. Configuration Management Analyst to perform schedule analysis tasks.	\$68,268.00	9/5/2018	6/30/2019
	4.8	FY20 continuation of cost estimating, configuration management, and cost/schedule staff and addition of new cst estimating staff.	\$1,716,859.00	6/17/2019	6/30/2020
	4.9	Additional cost schedule analyst staff support services for Crenshaw and Eastside Light Rail Access	\$70,633.00	3/3/2020	7/31/2020
	4.10	Reducing Southwestern Yard services under CWO 4 and increasing services for Crenshaw/LAX.	\$348,054.35	6/30/2020	6/30/2021
	4.11	Add Sr. Scheduler Support Services to Crenshaw	\$31,974.00	10/26/2020	6/30/2021
4.12	Crenshaw - Continuation of PMSS through FY22	\$959,362.00	6/17/2021	6/30/2022	
PMIS	5	Project Management Information System (PMIS) Ongoing Support: Contractor shall provide technical expertise to perform ongoing PMIS supporting, including hosting and on-going technical and implementation support as required to support existing systems.	\$451,825.10	9/29/2017	6/30/2018
	5.1	PMIS Ongoing Support - Travel ODC's: Modify Contract Work Order AE35279-005 to add Other Direct Costs (ODCs) - Travel for previously approved personnel of listed subconsultant, Stellar Services.	\$20,376.00	12/5/2017	6/30/2018
	5.2	PMIS Ongoing Support - The required ongoing support for PMIS remains unchanged.	\$102,439.27	2/5/2018	6/30/2018
	5.3	PMIS Ongoing Support - Extend Period of Performance: ongoing PMIS supporting, including hosting and on-going technical and implementation support as required to support existing systems.	\$599,106.00	6/20/2018	6/30/2019
	5.4	PMIS Ongoing Support - Revise Stellar scope of work to include programming support and troubleshooting for the new Oracle Primavera Unifier application. Support is required to assist in system design and testing for cost forecasting functionality development that will eventually replace the EcoSys application.	\$74,826.00	1/18/2019	6/30/2019
	5.5	PMIS Ongoing Support - Extend Period of Performance: ongoing PMIS supporting, including hosting and on-going technical and implementation support as required to support existing systems.	\$1,925,894.00	7/31/2019	7/31/2020
	5.6	PMIS FY20 Oracle Unifier system requires system enhancements specific to Metro's application.	\$402,779.00	2/12/2020	6/30/2020
	5.7.1	PMIS FY21 Systems Ongoing Support	\$1,822,376.00	7/30/2020	6/30/2021
	5.7.2	PMIS FY21 Systems Ongoing Support: I-5	\$100,000.00	11/3/2020	6/30/2021
	5.8	PoP extension through 7/30	\$0.00	7/2/2020	7/30/2020
5.9	Brio Solution and Electronic signatures	\$44,241.00	12/14/2020	7/30/2021	
5.10	PMIS - Continuation of PMSS through FY22	\$1,471,171.00	8/20/2021	7/30/2022	
WPLE 1	6	WPLE 1 Project requires scheduling, cost engineering, and estimating support services.	\$919,952.06	9/19/2017	6/30/2018
	6.1	PoP Extension for FY2019: SOW in original.	\$722,326.00	6/21/2018	6/30/2019
	6.2	Substitute Sr. Cost Estimator at a lower rate.	(\$18,551.58)	11/13/2018	6/30/2019
	6.3	Continuation of cost estimating services and addition of cost/schedule analyst support for FY20.	\$1,363,051.00	6/10/2019	6/30/2020
	6.4	WPLE 1 - Continuation of PMSS through FY21	\$652,039.00	7/1/2020	6/30/2021
	6.5	WPLE 1 - Continuation of PMSS through FY22	\$528,716.00	6/15/2021	6/30/2022
WPLE 2	7	WPLE 2 Project requires scheduling, cost engineering, and estimating support services.	\$627,112.16	9/19/2017	6/30/2018
	7.1	Substitute Personnel: Consultant shall substitute one Sr. Cost Estimator with one Sr. Cost Estimator provided by its approved, listed Subconsultant to support Westside Purple Line Section 2.	(\$7,637.35)	12/27/2017	6/30/2018
	7.2	Eliminate Sr. Cost/Schedule Analyst Position: Based on the current Project needs, the Sr. Cost/Schedule Analyst Position is no longer required.	(\$234,501.26)	1/29/2018	6/30/2018
	7.3	PoP Extension for FY2019: continuation of cost estimating support services for FY19.	\$504,336.00	6/29/2018	6/30/2019
	7.4	PoP Extension for FY2019: continuation of cost estimating support services for FY20.	\$1,096,360.00	7/9/2019	6/30/2020
	7.5	WPLE 2 - Continuation of PMSS through FY21	\$251,152.00	7/1/1930	6/30/2021
7.6	WPLE 2 - Continuation of PMSS through FY22	\$716,793.00	7/8/2021	6/30/2022	
Environmental	8	The Environmental Compliance and Sustainability Program requires support services, including project controls and estimating support.	\$457,408.18	9/13/2017	6/30/2018
	8.1	Consultant to add more personnel that were inadvertently omitted from the list of approved personnel of approved, listed subconsultant, Lenax Construction	\$0.00	11/20/2017	6/30/2018
	8.2	Additional personnel inadvertently omitted from the list of approved personnel of approved, listed subconsultant, Lenax Construction Services, Inc.	\$0.00	12/13/2017	6/30/2018
	8.3	Extend PoP into FY2019: continued support services including project controls and estimating services as previously detailed in original CWO 8.	\$630,051.00	6/20/2018	6/30/2019
	8.4	Substitute Personnel at different rates	(\$41,041.95)	2/11/2019	6/30/2019
	8.5	Environmental compliance and Sustainability strategic team alignment workshop	\$10,435.00	3/28/2010	6/30/2019
	8.6	Extend PoP into FY2020: continued support services including project controls and estimating service.	\$194,044.00	6/27/2019	6/30/2020
	8.7	Additional funding for estimating services for Environmental compliance in FY20	\$99,384.00	12/23/2019	6/30/2020
Regional Connector	9	Regional Connector Transit Project requires program control support services, specifically, estimating support.	\$368,983.64	9/19/2017	6/30/2018
	9.1	PoP Extension for FY19: Regional Connector Project requires program control support services, specifically, estimating support, as previously outlined in CWO No.9.	\$50,396.00	6/8/2018	6/30/2019
	9.2	Additional Sr Cost Estimator for four months.	\$77,257.00	9/6/2018	12/31/2018
	9.3	Addition of project scheduling and cost engineering support services.	\$179,912.00	12/7/2018	6/30/2019
	9.4	Continuation of the cost estimating services with no cost increase through FY19.	\$0.00	3/8/2019	6/30/2019
	9.5	Addition of program control and estimating support for FY20 services.	\$917,271.00	6/25/2019	6/30/2020
	9.6	Regional Connector PMSS cont through FY21	\$671,719.00	7/1/2020	6/30/2021
	9.7	Regional Connector PMSS cont through FY22	\$638,524.00	6/9/2021	6/30/2022
PMIS Enhancement Analysis	10	PMIS Unifier Prototype: Current Contract Management 14 of the Project Management Information System is obsolete. Immediate analysis is needed to conduct initial assessments of the system needs and enhancements required to replace the current CM14 and EcoSys cost system.	\$245,165.16	9/21/2017	12/31/2017
DBE Contract Compliance	11	Contract Compliance Support Services/Diversity & Economic Opportunity Department (DEOD) requires contract compliance monitoring support services consistent with the Department of Transportation (DOT) 49 Code of Federal Regulations (CFR) Part 26 and Metro's Disadvantaged Business Enterprise (DBE) program, Small Business Enterprise (SBE) program and/or Disabled Veterans Business Enterprise (DVBE) program.	\$634,678.54	10/13/2017	6/30/2018
	11.1	Addition of Personnel - No Cost: add personnel to provide interim support as required.	\$0.00	2/28/2018	6/30/2018
	11.2	PoP Extension through August 31, 2018. There is no increase to the contract value.	\$0.00	6/6/2018	8/31/2018
	11.3	Addition of Personnel: add personnel to provide interim support as required; Senior Contract Compliance Officers to provide contract compliance monitoring support services consistent with the Department of Transportation (DOT) 49 Code of Federal Regulations (CFR) Part 26 and Metro's Disadvantaged Business Enterprise (DBE) Program.	\$1,117,360.00	9/6/2018	6/30/2019

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DBE Contract Compliance	11.4	Add Replacement Staff (Credit Mod.): add approved replacement personnel at a lower rate in the direct labor categories of Senior Contract Compliance Officer.	(\$9,449.00)	12/12/2018	6/30/2019
	11.5	DEOD is utilizing Sr. Consultant Compliance Officer consultant services to provide contract compliance monitoring support services consistent with the DOT 49 CFR Part 26.	\$1,544,380.00	8/1/2019	7/31/2020
	11.6	Addition of consultant staff to provide interim compliance monitoring support on various non-mega projects.	\$82,358.00	3/30/2020	7/31/2020
	11.7.1	DBE Contract Compliance Consulting Services - Regional, Crenshaw, WPLE 1, 2, 3	\$1,176,154.00	8/4/2020	6/30/2021
	11.7.2	DBE Contract Compliance Consulting Services - SCRIP	\$126,054.00	8/31/2020	6/30/2021
	11.8	DBE Contract Compliance Consulting Services through FY22	\$1,323,196.50	7/2/2021	6/30/2022
11.8.1	DBE Contract Compliance Consulting Services through FY22 - add projects	\$450,477.00	8/11/2021	6/30/2022	
PMIS Enhancement Implementation	12	PMIS Enhancement Implementation: Current Contract Management 14 of the Project Management Information System is obsolete. Implementation support is needed to conduct the enhancements, required to replace the current CM14 and EcoSys cost system. Implementation consists of three project phases.	\$1,919,948.74	11/30/2017	12/31/2018
	12.1	Additional PMIS Implementation Support and Solution Architect: full-time position shall assist in the process transition from use of EcoSys for cost reporting to Oracle Primavera Unifier.	\$235,827.00	12/4/2018	6/30/2019
	12.2	PoP Extension and Additional Work: support extended outreach to business process support groups and projects during design to solicit engagement and acceptance and provide additional pilot testing/training; allowance for design changes that are likely to result from the extended outreach; change includes more comprehensive support efforts during the initial go live period for training, technical support, and minor design changes.	\$379,785.00	1/3/2019	6/30/2019
	12.3	PMIS Unifier Implementation Additional Pilot Testing: Consultant shall perform extended outreach sessions; extended Pilot Testing Period; re-development of business processes; redesign configuration management business processes from prior process used in CM14 to streamline processes and obtain staff buy-in; ongoing support for post go-live period; redesign Cost Engineer cost forecasting business processes and reporting.	\$499,224.00	2/26/2019	6/30/2019
	12.4	PMIS Unifier Implementation additional data migration testing.	\$149,997.44	5/8/2019	6/30/2019
	12.5	PMIS Unifier Implementation additional data migration testing - PoP extension.	\$0.00	6/27/2019	9/30/2019
	12.6	Closeout of CWO 12 and modifications.	(\$17,766.44)	1/31/2020	1/31/2020
Construction Market Analysis	13	Contractor to conduct a construction market analysis to assess key factors of the Los Angeles area construction market.	\$266,134.23	11/15/2017	4/30/2018
	13.1	PMSS Los Angeles Construction Market Analysis - POP Extension: This Modification extends the period of performance through June 30, 2018.	\$0.00	5/7/2018	6/31/2018
	13.2	CWO Closeout of any balance not spent	(\$3,922.64)	6/5/2020	6/5/2020
WSAB	14	West Santa Ana Branch (WSAB) P3 Technical Advisory Support - Metro requires technical advisory in support of evaluation of various P3 project delivery alternatives and subsequent development of a procurement package for a P3 contractor for the WSAB Light Rail Project.	\$203,546.08	12/28/2017	3/15/2018
	14.1	No-Cost Time Extension: extend period of performance for continued technical advisory support of evaluation of various P3 project delivery alternatives and subsequent development of a procurement package for a P3 contractor for the WSAB Light Rail Project through June 30, 2018.	\$0.00	2/28/2018	6/30/2018
	14.2	Add expertise with Project Meetings: Program Management requires additional personnel with different technical expertise be added to provide technical support required on the WSAB, specifically with a project workshop.	\$4,465.00	3/15/2018	6/30/2018
	14.3	Add expertise with Project Meetings - Program Management requires additional personnel with different technical expertise be added to provide partnering/workshop facilitation support required on the WSAB Project.	\$6,857.06	4/20/2018	6/30/2018
	14.4	Extend PoP: continuation of P3 technical advisory support through FY19.	\$1,548,668.00	7/10/2018	6/30/2019
	14.5	Add Personnel: additional Sr. Configuration Management Analyst and Sr. Cost Estimator personnel with different technical expertise.	\$80,930.00	9/17/2018	6/30/2019
	14.6	Add Personnel: Additional Project Delivery and Contract Development Advisor	\$119,677.00	11/5/2018	6/30/2019
	14.7	P3 Performance Requirements Development - To support the WSAB P3 procurement, Metro needs to develop a set of comprehensive performance requirements and solicitation technical packages that will be used during all phases of the P3. Contractor shall provide technical resources, knowledge, and expertise to assist with the development of the performance requirements. For the technical packages Metro expects mid to senior level type project managers who are subject matter experts in their respective disciplines. This falls under the Project Delivery and Contract Development/Compliance function of the PMSS contract. Provide additional Sr. Cost Estimator to maintain schedule for the P3 solicitation package.	\$1,561,563.15	1/3/2019	6/30/2019
	14.8	Modify CWO 14, and Mods 2, 3, 4, and 7: Closeout CWO 14, Modifications 2 and 3. The modification of these documents is a reduction of \$44,055.06. Reduction of hours in CWO 14, Mods 4 and 7 in the combined amount of \$955,944.57 = \$1M total.	(\$1,000,000.00)	3/8/2019	3/8/2019
	14.9	WSAB P3 Technical Advisory Support - Extend Period of Performance: continuation of project delivery and contract development support through FY20.	\$0.00	6/25/2019	7/31/2019
	14.10	Support WSAB P3 procurement, develop comprehensive performance requirements and solicitation technical packages; provide technical resources, knowledge, and expertise under the Project Delivery and Contract Development/Compliance function.	\$4,092,522.00	7/31/2019	7/31/2020
	14.11	Modify CWO 14, and its Modifications to add Project Management support, reduce the Contract Value by \$1,500,000, and extend the PoP through December 31, 2020.	(\$1,500,000.00)	4/1/2020	12/31/2020
	14.12	Extend PoP: continuation of WSAB services through FY21	\$0.00	1/4/2021	6/30/2021
	14.13	Extend PoP: continuation of WSAB services through Dec. 2021	\$0.00	6/7/2021	12/31/2021
14.14	PMSS for West Santa Ana Branch - Reduction in FY22 Services	(\$797,703.27)	9/16/2021	6/30/2022	
Patsaouras Busway Station	15	PMSS on Bus & Rail Capital and Soundwall Projects: Metro requires program control support services in accordance with the scope of work on Bus and Rail capital, and Soundwall projects.	\$96,072.21	12/13/2017	6/30/2018
	15.1	PMSS on Bus & Rail Capital and Soundwall Projects - PoP Extension: Metro requires continued program control support services on Bus and Rail Capital, and Soundwall Projects, as previously outlined in CWO No.15.	\$133,588.00	6/6/2018	6/30/2019
	15.2	Extension of PoP through FY20.	\$392,608.00	6/27/2019	7/31/2020
	15.3	Project Manager services necessary for providing oversight support in design review, construction oversight reporting, preparing technical documents, various office related support services.	\$126,051.00	3/11/2020	7/31/2020
	15.4	PoP Extension through FY21.	\$0.00	8/5/2020	6/30/2021
	15.5	PMSS on Soundwall 11 Project - Increase Budget for FY21.	\$75,331.00	8/26/2020	6/30/2021
	15.6	PMSS Additional Services on Pats Busway.	\$132,285.00	10/26/2020	6/30/2021
15.7	PMSS extension of services through FY22	\$95,960.00	6/29/2021	6/30/2022	
I-405 Closeout	16	I-405 Widening Project Closeout Support: Metro requires project close-out support in accordance with the scope of work on the I-405 project.	\$391,957.37	12/27/2017	12/31/2018
	16.1	Continue I-405 Widening Project Closeout Support through 3/2019.	\$206,241.00	10/4/2019	3/31/2019
	16.2	Continue I-405 Widening Project Closeout Support through 12/2019.	\$274,951.00	3/15/2019	12/31/2019
	16.3	Continue I-405 Widening Project Closeout Support through 12/2020.	\$95,098.00	1/9/2020	12/31/2020
	16.5	Extension of PoP through FY21.	\$0.00	2/2/2021	6/30/2021
16.6	Extension of PoP through FY22.	\$0.00	6/28/2021	6/30/2022	

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WPLE 3	17	PMSS Project Management Support WPLE3: Metro requires project support services in accordance with the scope of work on Westside Purple Line Extension Section 3 Project.	\$286,495.87	1/18/2018	6/30/2018
	17.1	PMSS Project Management Support WPLE3 - Extend Pop into FY19: continuation of support services for FY19.	\$781,400.00	6/29/2018	6/30/2019
	17.2	Add Sr. Cost Estimator and Sr. Configuration Mgmt Analyst for WPLE.	\$258,335.00	2/14/2019	6/30/2020
	17.3	Continuation of services for cost estimating, cost/schedule analyst, and configuration management analyst through FY20.	\$1,168,236.00	8/22/2019	6/30/2020
	17.4	Addition of a cost estimator through FY20.	\$104,905.00	11/7/2019	6/30/2020
	17.5	WPLE 3 - continue PMSS services through FY21.	\$835,887.00	6/30/2020	6/30/2021
	17.6	Addition of a Sr. Configuration Management Analyst.	\$98,048.00	2/9/2021	6/30/2021
	17.7	WPLE 3 - continue PMSS services through FY22.	\$1,212,877.00	6/23/2021	6/30/2022
WIN LA	18	PMSS - WIN/LA FY 2018: Metro requires technical support for the development and implementation of the Workforce Initiative Now.	\$111,514.88	1/29/2018	6/30/2018
	18.1	PMSS - WIN/LA FY19 - Extend POP - cont. technical support for WinLA development in FY19.	\$173,096.67	6/21/2018	6/30/2019
	18.2	PMSS - WIN/LA FY20 - Staff replacement.	\$0.00	1/14/2019	6/30/2019
	18.3	Extend POP - continued technical support for the development of WinLA in FY20.	\$10,380.00	6/25/2019	9/30/2019
	18.4	PMSS - WIN LA CWO Closeout.	(\$3,096.54)	3/11/2020	3/11/2020
Capital Improvement/ SGR Projects	19	Project Management Support for State of Good Repair (SGR) and Other Capital Projects: Metro requires project support services on State of Good Repair and Other Capital Projects.	\$112,974.65	2/8/2018	6/30/2018
	19.1	Project Management Support for SGR and Other Capital Projects - PoP Extension for FY19: Modification also revises CWO 19 to include project support services to Project 205115, MBI Track & Systems, which was not part of the original CWO.	\$307,665.00	6/5/2018	6/30/2019
	19.2	Extension of support services on SGR and other Capital projects.	\$179,319.00	6/27/2019	12/31/2019
	19.3	Project Management Support for SGR and Other Capital Projects - PoP Extension.	\$0.00	2/11/2020	7/31/2020
Risk Mgmt Support Services	20	Risk Management Support Services: assist the Metro Risk Manager in the facilitation of cost and schedule risk analysis of major capital projects, including federal and non-federal funded projects, work with project control staff to ensure the requirements of the Metro Risk Management procedure are being implemented correctly, work with project control staff in developing and managing project risk registers as required by Metro, record and analyze risk trends, and develop the risk sections of PMP.	\$99,436.00	9/21/2018	6/30/2019
	20.1	Extension of Risk Management support services.	\$98,039.00	6/27/2019	6/30/2020
	20.2	Reduction of services.	(\$132,391.98)	2/11/2020	7/31/2020
	20.3	Additional Risk Management services through FY21	canceled	canceled	canceled
	20.4	PoP extension only.	\$0.00	7/30/2020	6/30/2021
	20.5	Additional Risk Management services.	\$29,946.00	2/17/2021	6/30/2021
	20.6	Additional Risk Management services through FY22.	\$43,724.00	7/8/2021	6/30/2022
	20.7	PoP extension only.	\$0.00	7/2/2021	7/31/2021
Schedule Claims Support	21	Schedule Claims Avoidance Support Services - Regional Connector Project requires schedule claims avoidance support specifically in the areas of analysis of early completion schedules, and recommendations for possible resolution of current and actual claims.	\$50,205.05	10/12/2018	12/31/2019
	21.1	Close-out of CWO021	(\$8,230.97)	9/3/2020	9/3/2020
Regional Rail	22	Regional Rail: project management controls services in support of the Metro Regional Rail Program to prepare project controls deliverables.	\$95,595.00	9/24/2018	6/30/2019
	22.1	Extend PoP of existing scope of work through September 30, 2019.	\$0.00	6/27/2019	9/30/2019
	22.2	Regional Rail CWO Closeout.	(\$83,212.71)	3/3/2020	3/3/2020
New Blue	23	Program Management Support Services (PMSS) for New Blue Projects - provide Cost Estimating, Scheduling and Configuration Management support services for Construction Contracts.	\$640,047.00	9/24/2018	6/30/2019
	23.1	Extension of PoP through FY20.	\$1,444,762.00	6/24/2019	6/30/2020
	23.2	Add a cost estimator position within the current approved CWO budget.	\$0.00	8/28/2019	6/30/2020
	23.3	Reduction in services for New Blue CWO.	(\$963,174.00)	4/7/2020	12/31/2020
	23.4	PoP extension only.	\$0.00	1/4/2021	6/30/2021
	23.5	Willowbrook Rosa Park increase LOE.	\$529,285.00	2/1/2021	6/30/2021
	23.6	PoP extension only.	\$0.00	6/28/2021	6/30/2022
Eastside Access	24	PMSS for Eastside Access Improvement Project: provide technical resources, knowledge, and expertise to perform the following project manager tasks, which include but are not limited to: coordinate design meetings, provide quality control review on design submittals, communicate and coordinate with Metro design consultants, prepare monthly project status reports, review and update project design schedule, prepare monthly FT A status reports.	\$237,268.00	9/25/2018	12/31/2019
	24.1	Extension of PoP in FY20.	\$27,579.00	7/19/2019	8/31/2019
	24.2	Extension of PoP through mid-FY20.	\$62,031.00	8/30/2019	12/31/2019
	24.3	Eastside Access Continued Support through FY21.	\$64,185.00	5/8/2020	12/31/2020
	24.4	Extension of Eastside Access support through FY21.	\$74,929.00	1/21/2021	6/30/2021
	24.5	Extension of Eastside Access support through Dec. 2021	\$132,003.00	6/1/2021	12/30/2021
East San Fernando Valley	25	PMSS for East San Fernando Valley (ESFV): Program Management requires Project Delivery & Contract Devel. Advisors with different technical expertise be added to provide support required on the ESFV Project.	\$428,282.00	11/9/2018	6/30/2019
	25.1	PoP extension of the existing scope of work.	\$0.00	6/26/2019	7/31/2019
	25.2	Extension of ESFV support through FY20 and P3 VFM Cost Data and Risk Assessment report.	\$1,136,791.00	7/17/2019	7/31/2020
	25.3	ESFV PoP extension of services and addition of staff through FY21.	\$0.00	7/30/2020	6/30/2021
	25.4	Authorize Third Party Support on ESFV project.	\$0.00	1/21/2021	12/31/2021
	25.5	PoP ext only.	\$0.00	6/29/2021	9/30/2021
Program wide activities	26	Contract Submittal Review: Consultant shall review contract language for submittal requirements and assess where City of LA submittal reviews can be streamlined; review contract language and assess where changes can be made that result in an even clearer and more equitable risk sharing between Metro and the contractor with regard to timely LA City submittal turn-around.	\$99,436.00	1/9/2019	6/30/2019
	26.1	Contract Submittal Review; RE Manual: Consultants shall draft revised RE Manual for review by DEO, Program Management and incorporate Metro review comments and submit final RE Manual revision to Metro Configuration Management for Issuance.	\$99,668.00	1/14/2019	6/30/2019
	26.2	Add p/t Administrative Analyst and extend PoP.	\$7,800.00	6/20/2019	6/30/2020
	26.3	Addition of a Technical Program Manager for third party support.	\$214,199.00	9/23/2019	6/30/2020
	26.4	Progressive Design White Paper.	\$21,899.00	2/18/2020	6/30/2020
DRB Document Prep	27	DRB Presentation Support: WPLE 1 Project requires review, critique, comments on Metro position paper, created by Metro's project team including claims consultants, and associated documents prepared for the DRB hearing on the Fairfax Station subgrade; develop and present a formal presentation to the DRB on behalf of Metro; and represent Metro throughout the DRB process.	\$52,250.00	1/18/2019	6/30/2019
Sepulveda	28	Sepulveda Corridor Project P3 Technical Advisory Support: provide Project Delivery & Contract Development Advisor, Cost/Schedule Analyst, and Project Manager during the development of P3 procurement documents.	\$154,133.00	2/27/2019	6/30/2019
	28.1	PoP extension through July 2019.	\$0.00	6/26/2019	7/31/2019

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Sepulveda	28.2	Extension of Sepulveda Corridor project P3 technical advisory support through FY20.	\$3,295,965.00	7/19/2019	7/31/2020
	28.3	Sepulveda Corridor Project P3 Technical Advisory Support FY21 PoP extension and reduction in services.	(\$462,415.00)	7/29/2020	7/31/2021
	28.4	Sepulveda Corridor - Additional Direct Labor categories.	\$0.00	9/24/2020	7/31/2021
	28.5	PoP ext only.	\$0.00	7/6/2021	9/30/2021
	28.6	PoP only through 10/8/21	\$0.00	10/5/2021	10/8/2021
	28.7	Sepulveda Corridor - Additional services in FY22	\$552,884.83	10/8/2021	2/28/2022
DBE Commercially Useful Function	29	Consultant to evaluate the management, supervision, and performance actions of DBE firms working on FTA-funded and/or State/local funded contracts to determine if DBE firms are performing commercial useful function (CUF).	\$50,456.18	5/13/2019	6/30/2019
	29.1	PoP extension.	\$0.00	7/1/2019	7/15/2019
	29.2	Continue CUF site visits and related assignments for Contract Compliance monitoring services through FY20.	\$539,940.00	7/11/2019	6/30/2020
	29.3	PoP extension.	\$0.00	6/30/2020	7/15/2020
	29.4	Cont Conduct Commercial Useful Function Site Visits through FY21.	\$521,323.00	7/27/2020	6/30/2021
	29.5	PoP extension.	\$0.00	6/28/2021	7/31/2021
	29.6	Cont Conduct Commercial Useful Function Site Visits through FY22.	\$486,882.00	7/29/2021	7/31/2022
Centinela/Florence	30	Cost Estimating support services for the Centinela/Florence Grade Separation project through FY20.	\$26,130.00	5/24/2019	6/30/2020
	30.1	PoP extension for the Centinela/Florence Grade Separation project through FY21.	\$0.00	4/21/2020	6/30/2021
I-5 N Capacity Enhancement	31	Consultant to provide PMSS for I-5 N capacity enhancement project in the form of executive oversight and direction for the highway construction program.	\$387,797.00	7/8/2019	6/30/2020
	31.1	Consultant to provide independent constructability review for the I-5 HOV & Truck lanes project.	\$813,752.00	8/26/2019	6/30/2020
	31.2	I-5: Consultant to provide additional Sr. Program Management Analyst support to manage the development and implementation of computer monitoring systems for cost and schedule performance on the project.	\$711,659.00	11/4/2019	6/30/2020
	31.3	I-5: Consultant to provide Project Controls Manager input and direction that leads to the development of process and procedure for projects delivered by this department.	\$810,083.00	7/1/2020	12/31/2020
	31.4	Extend PoP and increase support services for I-5.	\$513,335.00	3/8/2021	7/31/2021
	31.5	PoP extension only.	\$0.00	1/20/2021	2/28/2021
	31.6	PoP extension only.	\$0.00	6/9/2021	12/31/2021
Estimating Database	32	Consultant to assist in the development of the Metro in-house Timberline database to assist the Cost Estimating department with preparing estimates (Task 1 - assess in-house historical cost data and develop a work plan).	\$46,799.00	9/16/2019	1/31/2020
	32.1	Consultant to assist in the development of the Metro in-house Timberline database to assist the Cost Estimating department with preparing estimates (Task 2 and 3 - set up the database, then organize, update and test the database).	\$149,997.00	2/18/2020	7/31/2020
Construction Market Analysis	33	Consultant to conduct a construction market analysis to assess key factors of the Los Angeles area construction market.	\$149,854.00	10/3/2019	6/30/2020
Admin. Multiple Capital Projects	34	PMSS Administrative Analyst Services for Orange Line Enroute Bus Charging Stations, Division 1 Improvement, Division 11 & 22 Roofing Replacement / ROC Roofing Replacement, and Cesar Chavez Transit Pavilion.	\$94,497.00	11/18/2019	6/30/2020
	34.1	Closeout of CWO 34 Admin Analyst Support for Multiple Capital Projects	(\$63,312.99)	6/25/2020	6/25/2020
Soundwall Package 11	35	Contractor shall provide construction scheduling support to the Program Management Department in support of the Sound Wall Package 11 project.	\$44,220.00	1/13/2020	6/30/2020
	35.1	PoP extension through FY21	\$0.00	6/30/2020	6/30/2021
	35.2	Ext. of PMSS and PoP ext through Oct. 2021	\$4,568.00	7/2/2021	10/31/2021
Division 20 Portal Widening turnback	36	Consultant to provide Cost Estimating support services for Construction including technical resources, knowledge, and expertise to perform Cost Estimating tasks.	\$200,406.00	1/9/2020	6/30/2020
	36.1	PoP extension only.	\$0.00	6/30/2020	8/31/2020
	36.2	PMSS for Division 20 PWT project services and PoP extension through FY21.	\$364,179.00	7/13/2020	6/30/2021
	36.3	PMSS for Division 20 PWT project services and PoP extension through FY22.	\$444,952.00	6/17/2021	6/30/2022
WIN LA Mapping	37	The contractor shall provide technical support to DEOD staff to develop technical process mapping for integration of activities related to the second phase of WIN-LA program implementation. support DEOD staff with the integration of the private employer (prime contractor) business requirements, processes and workflow into the WIN-LA software system.	\$67,386.00	1/24/2020	6/30/2020
Airport Metro Connector	38	Consultant to provide Cost Estimating and Configuration Management support services for the Airport Metro Connector project.	\$190,635.00	2/11/2020	7/31/2020
	38.1	PMSS AMC services through FY21.	\$532,449.00	7/20/2020	6/30/2021
	38.2	AMC PoP ext only.	\$0.00	6/30/2021	6/30/2022
OL BRT Improvement Project	39	Consultant to provide Project Manager support for Metro Orange Line Bus Rapid Transit Improvement during FY2020 and FY2021	\$491,224.00	3/3/2020	6/30/2021
	39.1.1	Extend Period of Performance and Continue PMSS for Metro Orange Line Bus Rapid Transit Improvement Project.	\$250,000.00	1/20/2021	7/31/2021
	39.2	Continue PMSS for Metro Orange Line Bus Rapid Transit Improvement Project in FY22	\$674,405.00	8/9/2021	6/30/2022
	39.3	Continue PMSS for Metro Orange Line Bus Rapid Transit Improvement Project in FY22	(\$287,981.00)	10/4/2021	6/30/2022
Green Line/C-Line Extension	40	Green Line - Consultant shall provide assistance to Metro to manage performance of capital projects including all aspects of technical support, schedules, budget, funding, grants management, staffing, agency reporting, and prioritization of work.	\$325,058.00	4/9/2020	12/31/2020
	40.1	Continue PMSS for Green Line Ext. to Torrance.	\$134,932.00	1/5/2021	7/31/2021
	40.2	FY22 - Continue PMSS for C-Line Extension Project.	\$533,000.00	8/17/2021	6/30/2022
Measure R	41	PMSS - Senior Program Management Analyst for FTA and Project Control.	\$130,171.00	7/2/2020	6/30/2020
	41.1	Continue PMSS for Sr. Program Management Analyst for FTA.	\$9,991.00	3/3/2021	6/30/2021
	41.2	FY22 - Continue PMSS for Sr. Program Management Analyst for FTA.	\$89,940.00	5/13/2021	6/30/2022
	41.3	FY22 - Measure M - Continue PMSS for Sr. Program Management Analyst for FTA.	\$11,000.00	8/4/2021	6/30/2022
	41.4	FY22 - Measure M - Continue PMSS for Sr. Program Management Analyst ESFV.	\$10,927.00	TBD	6/30/2022
Multiple Third Party	42	Third Party Administration PMSS.	\$161,210.00	8/20/2020	6/30/2021
	42.1	Third Party Administration - PMSS for MOL BRT Improvement Project.	\$60,000.00	9/17/2020	6/30/2021
	42.2	Additional Third Party admin. Services on ESFV.	\$46,440.00	1/14/2021	6/30/2021
	42.3	Additional Third Party Admin. Services.	\$14,826.00	1/26/2021	6/30/2021
	42.4	FY22 - Additional Third Party Admin. Services.	\$343,650.00	9/2/2021	6/30/2022
Environmental	43	Environmental Compliance PMSS support for FY21.	\$86,103.00	8/28/2020	6/30/2021
	43.1	Ext. of Environmental compliance support.	\$100,000.00	3/30/2021	9/30/2021
	43.2	Environmental Compliance PMSS support through Dec. 2021	\$180,000.00	9/14/2021	6/30/2022
I-405 Visual	44	I-405 Visual Screening project.	\$44,391.00	8/28/2020	6/30/2021
	44.1	Addition of Sr. Program Management Analyst	\$0.00	3/29/2021	6/1/3021
	44.2	FY22 - Sr. Program Management Analyst and Sr. Configuration Management Analyst services	\$29,868.00	5/12/2021	7/31/2021
	44.3	PoP only	\$0.00	6/28/2021	6/30/2022

CONTRACT WORK ORDER (CWO)/MODIFICATION LOG

ATTACHMENT B

Program Mgmt Admin	45	Admin Analyst support to Engineering and Program Management Executive Office.	\$97,629.00	10/26/2020	6/30/2021
	45.1	PoP only - Admin Analyst support to Engineering and Program Management Executive Office.	\$0.00	5/24/2021	8/15/2021
	45.2	FY22 - Admin Analyst support to Engineering and Program Management Executive Office.	\$119,353.69	6/24/2021	6/30/2022
Metro Center Project	46	Configuration Management and Third Party support on Metro Center Street project.	\$603,661.00	1/12/2021	3/31/2023
Construction Administration	47	Asset Management Maturity Model.	\$51,586.00	1/20/2021	6/30/2021
	47.1	Willowbrook/Rosa Parks Station Asset Management Data Mining Collection	\$36,973.95	5/27/2021	7/30/2021
	47.2	Close-Out of CWO 47, Asset Management Maturity Model	(\$12.98)	9/28/2021	9/28/2021
Rail2Rail	48	PM, PM admin., Sr. Configuration Mgmt Analyst support services for Rail to Rail ATC Project.	\$89,361.00	5/21/2021	12/31/2021
	48.1	R2R Estimating services	\$224,151.00	6/7/2021	12/31/2021
105 Express	49	Support Metro PM in developing a PMP and CMGC procurement.	\$20,869.00	9/22/2021	6/30/2022
	50	Transit Project Cost Reduction Strategies – Phase 1	\$67,177.00	4/27/2021	7/31/2022
Transit Project Cost Reduction	50.1	LA Construction Market Analysis	\$135,385.00	5/7/2021	7/30/2022
	50.2	Transit Project Costs	\$106,262.00	6/1/2021	7/30/2022
	50.3	Transit Project Costs	\$364,154.00	8/9/2021	6/30/2022
	51	Third Party Administration support for the LINK US project	\$20,745.00	6/17/2021	9/30/2021
LINK US	51.1	PoP extension only.	\$0.00	10/8/2021	12/31/2021
	52	Scheduling Support for multiple projects for FY22	\$383,732.00	8/2/2021	6/30/2022
Multiple Projects	52.1	Scheduling Support for multiple projects for FY22	\$63,000.00	9/14/2021	6/30/2022
	53	Cost Estimating Support for Regional Rail	\$482,824.00	8/19/2021	6/30/2022
Regional Rail	54	Sr. Conf. Management Analyst	\$76,074.00	9/28/2021	6/30/2022
Multiple Projects			\$73,644,591	\$72,903,197.77	

DEOD SUMMARY

**PROGRAM MANAGEMENT SUPPORT SERVICES (PMSS)
CONTRACT NO AE35279**

A. Small Business Participation

Kal Krishnan Consulting Services/Triunity Engineering & Management Joint Venture (KTJV), a DBE JV Prime, made a 73.31% DBE commitment for this contract. The overall DBE participation for this contract is based on the cumulative value of all Contract Work Orders (CWO) issued.

To date, fifty-four (54) CWO's and their modifications have been awarded. Based on payments reported, the contract is 76.63% complete and the cumulative DBE participation of all Work Orders awarded is 71.80%, a sizeable level of participation, with a 1.51% shortfall.

KTJV contends, as concurred by Metro's Project Manager, that scopes of work earmarked for non-DBE firms have grown significantly compared to the original cost proposal. However, KTJV does anticipate a growth in core Program and Project Control services to be performed by DBE firms that will increase KTJV's level of DBE participation.

Notwithstanding, Metro Project Managers and Contract Administrators will work in conjunction with DEOD to ensure that KTJV remains on schedule to meet or exceed its DBE commitments. Additionally, key stakeholders associated with the contract have been provided access to Metro's online monitoring system to ensure that all parties are actively tracking Small Business progress.

Small Business Goal	DBE 73.31%	Small Business Commitment	71.80% DBE
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	DBE Contractors	Scope of Work	Ethnicity	Current Participation
1.	KKCS (JV Partner / DBE Prime)	Program Management, Project Control	Subcontinent Asian	24.87%
2.	Triunity (JV Partner / DBE Prime)	Program Management	African American	16.69%
3.	Armand Resource Group, Inc.	Contract Compliance	African American	7.90%
4.	Lenax Construction	Cost Estimating & Project Controls	Caucasian Female	7.45%

	Services, Inc.	Support Services		
5.	LKG-CMC, Inc.	Doc. Control, Configuration Mgmt. Admin.	Caucasian Female	2.35%
6.	MBI Media	Public Outreach and Meeting Facilitation	Caucasian Female	0.00%
7.	The Omni Group, LLC	Project Program Management Support Services	African American	0.11%
8.	Ramos Consulting Services	Project Controls & Estimating	Hispanic American	1.95%
9.	Stellar Services, Inc.	Program Management Information Systems	Asian Pacific American	1.02%
10	Arkadia & Associates	Project Management Support Services	Caucasian Female	0.73%
11	Destination Enterprises	Program Management Support Services	Caucasian Female	7.59%
12	Brio Solutions (Added)	Provide Knowledge and Expertise on FTA project Reporting and Other Related Activities	Subcontinent Asian American	0.36%
13	Insight Strategies (Added)	Facilitate Leadership Team Workshops	Caucasian Female	0.04%
14	Zephyr UAS, Inc. (Added)	Provide Technical Documents and Interface with Union Pacific Rail Road (UPRR)	Hispanic American	0.74%
Total DBE Participation				71.80%

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.

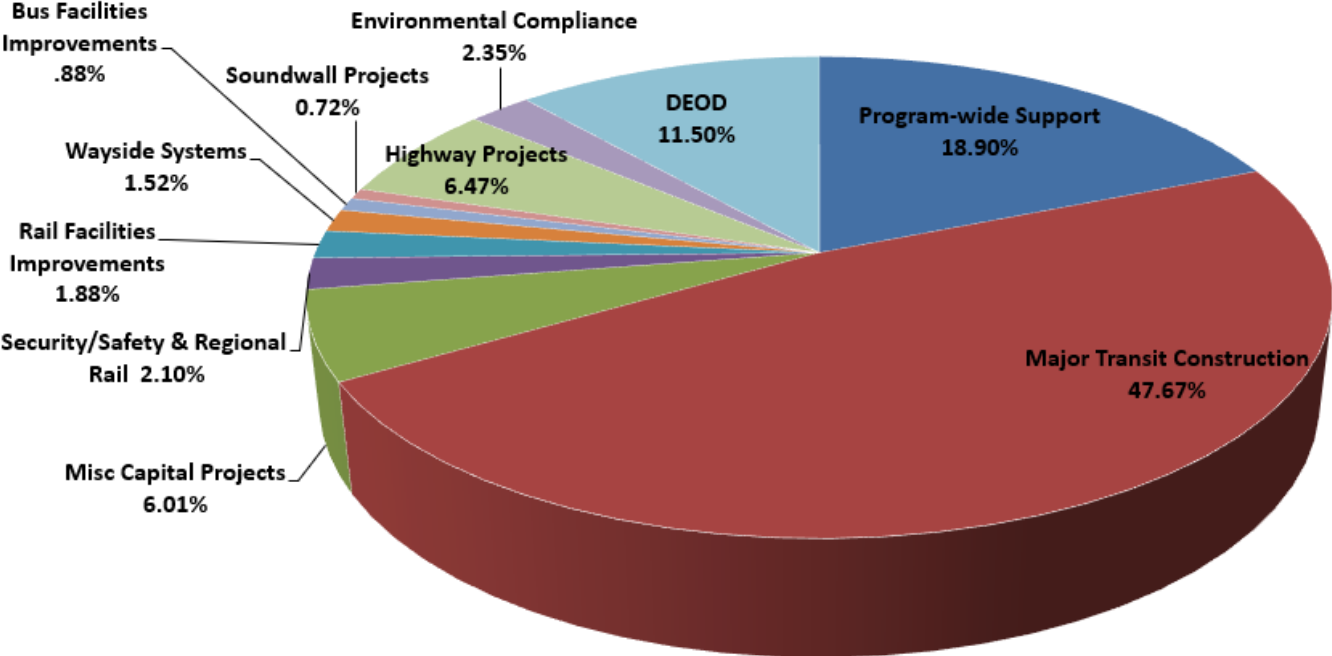
C. Prevailing Wage Applicability

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. Project Labor Agreement/Construction Careers Policy is applicable only to construction contracts that have a construction contract value in excess of \$2.5 million.

CURRENT SUPPORT PROVIDED BY PROJECT CATEGORY



CURRENT AND ANTICIPATED LIST OF PROJECTS

Program-wide Support

Measure M Program Support*
 Measure R Program Support*
 Project Management Information System*
 Implementation of Construction Management Best Practices
 Estimating Database Development
 Construction Risk Management*
 Public Private Partnerships*

Major Transit Construction

Crenshaw/LAX Light Rail Transit Project*
 Regional Connector Transit Project*
 Westside Purple Line Extension Section 1 Project*
 Westside Purple Line Extension Section 2 Project*
 Westside Purple Line Extension Section 3 Project*
 Gold Line Foothill Extension Phase 2B Project*
 Orange Line Bus Rapid Transit Improvements Project*
 West Santa Ana Branch Transit Project*
 East San Fernando Valley Transit Project*
 Sepulveda Transit Corridor Project*
 Green Line Extension to Torrance*
 Gold Line Eastside Phase 2
 North San Fernando BRT
 Pasadena to NoHo BRT
 Vermont BRT

Misc. Capital Projects

Division 20 Portal Widening Turnback Facility*
 Division 22 Paint and Body Shop
 Airport Metro Connector*
 Rail to Rail Corridor Active Transportation Connector*
 Los Angeles River Bikepath
 Metro Eastside Access Improvement Projects*
 Centinela Grade Crossing*

Security/Safety

Metro Gold Line I-210 Barrier Replacement Phase I*
 Metro Emergency Security Operations Center*

Rail Facilities Improvement

Light Rail Transit Freeway Stations Sound Enclosures
 Willowbrook/Rosa Parks Station Improvement*

Wayside Systems

Metro Blue Line Track and System Refurbishment*
 Metro Blue Line Signal System Rehabilitation*

Bus Facilities Improvements

Bus Rapid Transit Freeway Station Sound Enclosure
 Metro Silver Line Improvements and Upgrades
 Division 1 Improvements*
 Patsaouras Busway Station*
 Bus Facility Maintenance Improvement Enhancements Phase II & III
 Rail Facility Improvement*

Regional Rail

LINK US Project*
 Metro Center Street Project*
 Doran Street and Broadway/Brazil Safety and Access Project
 Brighton to Roxford Double Track Project
 Rosecrans/Marquardt Grade Separation Project*
 Lone Hill to White Double Track Project

Soundwall Projects

Soundwall Package 10
 Soundwall Package 11*

Highway

I-5 South – HOV project SR 14 to Parker Road*
 I-405 HOV Widening*
 105 Express Lanes 405-605*
 Sepulveda Express Lanes
 Other Highway projects, as required

Environmental Compliance Program

Fuel Storage Tank Program*
 Soil Remediation*
 Energy Conservative Initiative Project*
 Sustainability Environmental Compliance*
 Carbon Emission Greenhouse*
 Sustainability Design Guide*

Diversity & Economic Opportunity in Construction

DBE Commercially Useful Function*
 DBE Contract Compliance*

*Project is currently utilizing the PMSS Contract

CURRENT AND ANTICIPATED LIST OF PROJECTS