



METROPOLITAN
TRANSPORTATION
COMMISSION

Agenda Item 2c
Bay Area Metro Center
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Memorandum

TO: Operations Committee

DATE: July 6, 2018

FR: Executive Director

W.I. 1234

RE: Arterial Operations Program:

- i. Program for Arterial System Synchronization (PASS) FY 2018-19 Cycle of Projects
- ii. Contract Amendments - PASS Technical Consultant Services: DKS Associates (\$230,500); Iteris, Inc. (\$237,300); Kimley-Horn and Associates, Inc. (\$404,800); and TJKM Transportation Consultants (\$294,100)

This memorandum requests Committee approval of the PASS FY 2018-19 Cycle of Projects and contract amendments with the following firms in the specified amounts: DKS Associates (\$230,500); Iteris, Inc. (\$237,300); Kimley-Horn and Associates, Inc. (\$404,800); and TJKM Transportation Consultants (\$294,100).

Background

The region's arterials carry heavy traffic and experience significant congestion during peak and non-peak periods. For nearly 25 years, MTC has been administering the PASS or similar service to provide technical assistance to Bay Area agencies to re-time traffic signals in order to improve signal performance. Over the past five years, almost 1,600 signals have been successfully re-timed.

i) PASS FY 2018-19 Cycle of Projects

For the FY 2018-19 cycle, MTC continued to set the PASS Call For Projects (CFP) corridor eligibility requirements to focus on arterials that: 1) function as reliever routes to nearby freeways; 2) serve transit lines with high transit ridership; or 3) carry higher levels of average daily traffic (ADT) or peak hour volumes. Due to limited funds available for PASS, the program continued to require local funding match as an eligibility requirement in order to leverage regional discretionary funds with local dollars. The local match constitutes the local agencies' contribution towards the PASS technical consultant services.

On March 16, 2018 MTC issued PASS guidelines and subsequently received 14 applications that nominated one or more arterial corridors for signal timing technical assistance. Applications were received from jurisdictions in Alameda, Contra Costa, Santa Clara, Marin and Solano Counties. Staff evaluated each application against the following project evaluation criteria: 1) ability to meet PASS goals – improve travel time and travel time reliability, improve air quality, and improve safety for motorists, transit riders, pedestrians, and bicyclists; 2) project readiness; and 3) project management capacity. Based on the evaluation, staff recommends approval of

nine applications with 249 intersections, as identified in Attachment A, for the FY 2018-19 cycle. The total estimated cost to deliver the recommended projects is \$1,203,100 including \$223,860 covered by local matching funds to cover consultant and hardware costs, plus a contingency of \$20,760.

ii) Contracts - PASS Technical Consultant Services: DKS Associates (\$230,500); Iteris, Inc. (\$237,300); Kimley-Horn and Associates, Inc. (\$404,800); and TJKM Transportation Consultants (\$294,100).

On May 4, 2017, MTC released a mini-Request for Qualifications (RFQ) from the On-Call Transportation Engineering and Planning Services Bench to select consultants to provide technical assistance for the PASS FY 2017-18 Cycle with an option to renew services for an additional year. In July 2017, this Committee approved contracts with DKS Associates, Iteris, Inc., Kimley-Horn and Associates, Inc. and TJKM Transportation Consultants, with an option to extend the performance period for one year. Based on the satisfactory work conducted by the consultants to date, staff recommends extending the consultant contracts and adding funds to deliver the PASS projects listed in Attachment A.

Attachment B includes a summary of the consultants' and their project teams' small business and disadvantaged business enterprise status.

Recommendation

Staff recommends that this Committee approve the PASS FY 2018-19 Cycle of Projects listed in Attachment A. Staff also recommends that this Committee authorize the Executive Director or his designee to negotiate and enter into contract amendments with the following consultants in the specified amounts (comprised of the PASS grant and local match) to provide technical assistance for the PASS projects through June 30, 2019: DKS Associates (\$230,500); Iteris, Inc. (\$237,300); Kimley-Horn and Associates, Inc. (\$404,800); and TJKM Transportation Consultants (\$294,100).



Steve Heminger

Attachments:

- Attachment A: Program for Arterial System Synchronization (PASS): FY 2018-19 Cycle of Projects
- Attachment B: Selected Firms and Project Teams' Small Business and Disadvantaged Business Enterprise Status

SH: rr

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Program for Arterial System Synchronization (PASS): FY 2018-19 Cycle of Projects

#	County	Project Sponsor/ Application	Project Corridor (# of signals)	# of Signals	Estimated Program Cost			Total ¹
					MTC PASS Grant	Local Match ²	Hardware	
1	Alameda	Berkeley	University Ave. (3), Martin Luther King Jr. Way (9), Adeline St. (8)	20	\$118,905	\$30,795	\$6,300	\$149,700
2	Santa Clara	Campbell	East Hamilton Ave. (10), Bascom Ave. (5)	15	\$63,700	\$9,800	\$0	\$73,500
3	Santa Clara	Cupertino	N Tantau Ave (6), Wolfe Rd (6)	12	\$47,040	\$11,760	\$0	\$58,800
4	Solano	Fairfield	Travis Blvd (13), West Texas St. (7), Manuel Campos Pkwy (5), Green Valley Rd. (4), North Texas St. (8)	37	\$136,150	\$23,550	\$4,200	\$159,700
5	Marin	Marin (County)	Sir Francis Drake Blvd (9), E Sir Francis Drake Blvd (4)	13	\$74,035	\$13,065	\$0	\$87,100
6	Santa Clara	Palo Alto	University Ave. (14), Donohoe St. (4)	18	\$81,130	\$15,470	\$2,800	\$ 96,600
7	Contra Costa	Pittsburg	Loveridge Road (11), Bailey Road (5)	16	\$38,780	\$7,420	\$1,400	\$46,200
8	Contra Costa	Richmond	Richmond Pkwy (9), Castro St. (5), Canal Blvd. (1)	15	\$94,500	\$21,000	\$10,500	\$115,500
9	Contra Costa	WCCTAC	San Pablo Ave. (56), Sycamore Ave (4), Appian Way (5), Fitzgerald Dr. (2), Pinole Valley Rd. (10), Richmond Pkwy (6), Hilltop Dr. (3), Road 20 (2), El Portal Dr. (5), San Pablo Dam Rd. (2), Barrett St. (1), Cutting Blvd. (2), Potrero Ave. (1), Central Ave. (4)	103	\$325,000	\$91,000	\$11,200	\$416,000
Total				249	\$979,240	\$223,860	\$36,400	\$1,203,100
Contingency					\$20,760	\$0		\$20,760
Total FY2018-19 PASS Program					\$1,000,000	\$223,860		\$1,223,860

¹ Includes estimated program costs for signal coordination, additional services, hardware, local agency agreements, etc.

² A local match requirement is specified in the PASS program guidelines. The level of matching funds is based on whether the project meets some or all of the following factors: arterial 1) functions as a reliever route to nearby freeway(s); 2) serves transit lines with high transit ridership; 3) carries higher levels of average daily traffic (ADT) or peak hour volumes; or 4) level of hardware cost. The match constitutes the local agencies' contribution towards the PASS project cost, which consists of the technical consultant services and hardware costs.

Selected Firms and Project Teams' Small Business and Disadvantaged Business Enterprise Status

#	Firm	DBE* Firm			SBE** Firm		
		Yes	If Yes, List #	No	Yes	If Yes, List #	No
1	DKS Associates (Prime Contractor)			X			X
	<i>W&S Solutions (Subcontractor)</i>	X	38506				X
	<i>IDAX Data Solutions (Subcontractor)</i>			X			X
2	Iteris, Inc. (Prime Contractor)			X			X
	<i>Traffic Research & Analysis, Inc. (Subcontractor)</i>	X	8197				X
	<i>National Data & Surveying Services (Subcontractor)</i>			X			X
	<i>IDAX Data Solutions (Subcontractor)</i>			X			X
3	Kimley-Horn and Associates, Inc. (Prime Contractor)			X			X
	<i>Wiltec (Subcontractor)</i>	X	8440				X
	<i>Traffic Data Services (Subcontractor)</i>	X	43024				X
	<i>All Traffic Data/NDS (Subcontractor)</i>	X	43024				X
	<i>Quality Counts (Subcontractor)</i>			X			X
	<i>Traffic Research & Analysis, Inc. (Subcontractor)</i>	X	8197				X
4	TJKM Transportation Consultants (Prime Contractor)	X	40772				X
	<i>Baymetrics (Subcontractor)</i>	X	28904				X
	<i>National Data & Surveying Services (Subcontractor)</i>			X			X

*Denotes certification by the California Unified Certification Program (CUCP).

**Denotes certification by the State of California.

REQUEST FOR COMMITTEE APPROVAL

Summary of Program of Projects

Work Item No.:	1234
Project Title:	Program for Arterial System Synchronization (PASS) FY 2018-19 Cycle of Projects
Cycle of Projects:	(See Attachment A to the Executive Director's July 6, 2018 Memorandum)
Program Description:	A program that improves arterial operations by providing technical assistance to Bay Area agencies to re-time traffic signals to improve signal coordination.
Funds for Projects:	PASS FY 2018-19 = \$1,243,100 (Attachment A)
Funding Source:	CMAQ/STP = \$1,000,000 Local Match = \$223,860
Fiscal Impact:	Funding is included in the FY 2018-19 MTC Budget.
Motion by Committee:	That the projects listed in Attachment A to the Executive Director's July 6, 2018 Memorandum for the FY 2018-19 PASS Cycle of Projects are approved.
Operations Committee:	
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	Dave Cortese, Chair
Approved:	Date: July 13, 2018

REQUEST FOR COMMITTEE APPROVAL

Summary of Proposed Contract Amendments

Work Item No.: 1234

Contractors:

- 1) DKS Associates, Oakland, CA
- 2) Iteris, Inc., Oakland, CA
- 3) Kimley-Horn and Associates, Inc., Pleasanton, CA
- 4) TJKM Transportation Consultants, Pleasanton, CA

Project Title: Program for Arterial System Synchronization (PASS)
FY 2018-19 Technical Consultant Support

Purpose of Project: To provide traffic engineering assistance to Bay Area jurisdictions for re-timing and synchronizing their traffic signals for the PASS projects in Attachment A to the Executive Director's July 6, 2018 Memorandum.

Brief Scope of Work: Analyze existing conditions, including data collection and development of computer models; develop new signal timing plans; implement and fine-tune timing plans; and conduct performance evaluations.

Project Cost Not to Exceed:

DKS Associates: \$230,500 (this amendment);
\$752,500 (total contract before this amendment);
\$983,000 (total authorized contract after this amendment).
Iteris, Inc.: \$237,300 (this amendment);
\$480,800 (total contract before this amendment);
\$718,100 (total authorized contract after this amendment).
Kimley-Horn and Associates, Inc.: \$404,800 (this amendment);
\$2,597,400 (total contract before this amendment);
\$3,002,200 (total authorized contract after this amendment).
TJKM Transportation Consultants: \$294,100 (this amendment);
\$509,100 (total contract before this amendment);
\$803,200 (total authorized contract after this amendment).

Funding Source: CMAQ/STP = \$1,000,000
Local Match = \$223,860

Fiscal Impact: Funding is included in the FY 2018-19 MTC budget.

Motion by Committee: That the Executive Director or his designee is authorized to negotiate and enter into contract amendments with the listed firms for a one-year period ending June 30, 2019 for the purposes described above and in the Executive Director's July 6, 2018 Memorandum, and that the Chief Financial Officer is directed to set aside funds for such contract amendments in the amounts set forth above.

Operations Committee: _____
Dave Cortese, Chair

Approved: Date: July 13, 2018