



METROPOLITAN
TRANSPORTATION
COMMISSION

Agenda Item 4c

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Memorandum

TO: Operations Committee

DATE: July 1, 2016

FR: Executive Director

W.I. 1234

RE: Arterial Operations Program:

- i. Program for Arterial System Synchronization (PASS) FY 2016-17 Cycle of Projects (\$1,122,400)
- ii. Contract Amendments: DKS Associates (\$227,600), Iteris, Inc. (\$248,600), Kimley-Horn and Associates, Inc. (\$266,700) and TJKM Transportation Consultants (\$254,200)

This memorandum requests Committee approval of: (i) the PASS FY 2016-17 Cycle of Projects (\$1,122,400), and (ii) amendments to contracts with DKS Associates (\$227,600), Iteris, Inc. (\$248,600), Kimley-Horn and Associates, Inc. (\$266,700) and TJKM Transportation Consultants (\$254,200) to provide technical assistance for the PASS FY 2016-17 Cycle of Projects.

Background

MTC's Freeway Performance Initiative is designed to maximize the efficiency and improve the operations and safety of the freeway and arterial networks through technology. The region's arterials carry heavy traffic and experience significant congestion during peak and non-peak periods. Over the past 15 years, MTC has been administering PASS (under various program names), which provides technical assistance to Bay Area agencies to re-time traffic signals to improve signal coordination across jurisdictions and provide signal timing priority for transit vehicles. Over the past 6 years, approximately 2,000 signals have been successfully re-timed.

i. PASS FY 2016-17 Cycle of Projects

For the FY 2016-17 Cycle, MTC updated the 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 high levels of average daily traffic (ADT) or peak hour volumes. Due to limited funds available for PASS, a local funding match was also included 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 30, 2016, MTC issued PASS program guidelines and subsequently received thirteen (13) applications that nominated a total of 39 arterial corridors for signal timing technical assistance. 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 ten (10) applications covering 29 qualifying arterial corridors, as identified in Attachment A, for the FY 2016-17 Cycle.

Since the total cost of all nominated projects exceeded the budget for this cycle of PASS, staff is not recommending 10 corridors within the Cities of Albany, Corte Madera, Fremont, Oakley, Rohnert Park, Santa Rosa, and South San Francisco due to various reasons, including: 1) inability to meet the eligibility requirements; 2) uncertainty in the ability to meet program goals; and 3) timing had been performed on the corridor within the last two years. The total estimated cost to deliver the recommended projects would be \$1,122,400, including \$997,100 in consultant fees and hardware cost plus a contingency of \$125,300. Of the total \$1,122,400 in project costs, \$122,400 will be covered by local matching funds.

ii. Contract Amendments: DKS Associates (\$227,600), Iteris, Inc. (\$248,600), Kimley-Horn and Associates, Inc. (\$266,700) and TJKM Transportation Consultants (\$254,200). In April 2015, MTC released a Request for Qualifications (RFQ) to select consultants to provide specific technical services for PASS, and in July 2015 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.

Recommendation

Staff recommends that this Committee approve the PASS FY 2016-17 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 DKS Associates (\$227,600), Iteris, Inc. (\$248,600), Kimley-Horn and Associates, Inc. (\$266,700) and TJKM Transportation Consultants (\$254,200) in the specified amounts and extending each contract for one year to provide technical assistance for the PASS FY 2016-17 Cycle of Projects.



Steve Heminger

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Program for Arterial System Synchronization (PASS): FY 2016-17 Projects

#	County	Project Sponsor/ Application ¹	Project Corridor ¹ (# of signals)	# of Signals	Estimated Program Cost ²		
					MTC PASS Grant	Local Match ³	Total
1	Alameda	Fremont	Fremont Blvd (19), Warm Springs Blvd (12)	31	\$204,800	\$22,800	\$227,600
2	Alameda	Livermore	Vasco Rd (11), Railroad Ave/Stanley Blvd (12), First St (9), Portola Ave (3), Livermore Ave (7)	42	\$89,600	\$13,800	\$103,400
3	Alameda	Pleasanton	Stoneridge Dr (22), Owens Dr (6), Foothill Rd (5), Hopyard Rd (4), Hacienda Dr (3), Santa Rita Rd (5)	45	\$97,200	\$16,300	\$113,500
4	Contra Costa	Antioch	Hillcrest Ave (15), Deer Valley Rd (8)	23	\$51,200	\$6,800	\$58,000
5	Contra Costa	Oakley	Main St (7), Empire Ave (4)	11	\$56,300	\$7,500	\$63,800
6	Marin	Corte Madera	Tamalpais Ave (6)	6	\$39,800	\$10,000	\$49,800
7	San Mateo	City of San Mateo	El Camino Real (27)	27	\$68,000	\$7,600	\$75,600
8	Santa Clara	San Jose	The Alameda (9), Bascom Ave (9), Hillsdale Ave (7), San Carlos St (9), Tasman Dr (14)	48	\$167,400	\$22,200	\$189,600
9	Santa Clara	City of Santa Clara	Great America Pkwy (11)	11	\$53,100	\$5,900	\$59,000
10	Sonoma	Santa Rosa	Farmer's Ln (8), Fulton Ave (2), Dutton Ave (5)	15	\$47,300	\$9,500	\$56,800
Total				259	\$874,700	\$122,400	\$997,100
Contingency					\$125,300	\$0	\$125,300
Total FY2016-17 PASS Program					\$1,000,000	\$122,400	\$1,122,400

¹ Staff is not recommending 10 corridors within the Cities of Albany, Corte Madera, Fremont, Oakley, Rohnert Park, Santa Rosa, and South San Francisco due to various reasons, including: 1) inability to meet the eligibility requirements; 2) timing had been performed on the corridor within the last two years; and 3) overall project cost with limited funding availability.

² Includes estimated program costs for signal coordination, additional services, communications equipment, local agency agreements, etc.

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

REQUEST FOR COMMITTEE APPROVAL

Summary of Program of Projects

Work Item No.:	1234
Project Title:	Program for Arterial System Synchronization (PASS) FY 2016-17 Cycle of Projects
Cycle of Projects:	(See Attachment A to the Executive Director's July 1, 2016 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 2016-17 = \$1,122,400 (Attachment A)
Funding Source:	CMAQ = \$1,000,000 Local Match = 122,400
Fiscal Impact:	Funding is included in the FY 2016-17 MTC Budget.
Motion by Committee:	That the projects listed in Attachment A to the Executive Director's July 1, 2016 Memorandum for the FY 2016-17 PASS Cycle of Projects are approved.
Operations Committee:	
	<hr/> Scott Haggerty, Chair
Approved:	Date: July 8, 2016

REQUEST FOR COMMITTEE APPROVAL

Summary of Proposed Contract Amendments

Work Item No.: 1234

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

Project Title: PASS FY 2016-17 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 1, 2016 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: \$227,600 (this amendment);
\$196,100 (total contract before this amendment);
\$423,700 (total authorized contract after this amendment).
Iteris, Inc.: \$248,600 (this amendment);
\$275,486 (total contract before this amendment);
\$524,086 (total authorized contract after this amendment).
Kimley-Horn and Associates, Inc. \$266,700 (this amendment);
\$228,000 (total contract before this amendment);
\$494,700 (total authorized contract after this amendment).
TJKM Transportation Consultants: \$254,200 (this amendment);
\$222,300 (total contract before this amendment);
\$476,500 (total authorized contract after this amendment).

Funding Source: CMAQ = \$874,700
Local Match = \$122,400

Fiscal Impact: Funding is included in the FY 2016-17 agency 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 the purposes and in the amounts described above and in the Executive Director's July 1, 2016 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:

Scott Haggerty, Chair

Approved: Date: July 8, 2016