



METROPOLITAN  
TRANSPORTATION  
COMMISSION

**Agenda Item 2b**  
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## *Memorandum*

TO: Operations Committee

DATE: July 7, 2017

FR: Executive Director

W.I. 1234

RE: Arterial Operations Program:

- i. Program for Arterial System Synchronization (PASS) FY 2017-18 Cycle of Projects
- ii. Contracts - PASS Technical Consultant Services: DKS Associates (\$280,700); Iteris, Inc. (\$280,800); Kimley-Horn and Associates, Inc. (\$237,400); and TJKM Transportation Consultants (\$309,100)

This memorandum requests Committee approval of the PASS FY 2017-18 Cycle of Projects and contracts with the following firms in the specified amounts: DKS Associates (\$280,700); Iteris, Inc. (\$280,800); Kimley-Horn and Associates, Inc. (\$237,400); and TJKM Transportation Consultants (\$309,100).

### **Background**

The region's arterials carry heavy traffic and experience significant congestion during peak and non-peak periods. For nearly 20 years, MTC has been administering the PASS, 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 five years, over 1,600 signals have been successfully re-timed.

### **i) PASS FY 2017-18 Cycle of Projects**

For the FY 2017-18 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. MTC updated the matching requirements to require some additional cost-sharing from local jurisdictions.

On March 23, 2017, MTC issued PASS guidelines and subsequently received fifteen (15) applications that nominated one or more arterial corridors for signal timing technical assistance. Applications were received from jurisdictions in all counties except Napa, San Francisco, 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 (9) applications with 26 qualifying arterial corridors, as identified in Attachment A, for the FY 2017-18 cycle. The total estimated cost to deliver the recommended projects is \$1,093,700, including

\$167,580 covered by local matching funds, which covers consultant and hardware costs, plus a contingency of \$48,180.

**ii) Contracts - PASS Technical Consultant Services:** DKS Associates (\$280,700); Iteris, Inc. (\$280,800); Kimley-Horn and Associates, Inc. (\$237,400); and TJKM Transportation Consultants (\$309,100)

On May 4, 2017, MTC released a mini-Request for Qualifications (RFQ) to select consultants to provide technical assistance for the PASS FY 2017-18 Cycle. The mini-RFQ invited firms that were pre-qualified on the On-Call Transportation Planning and Engineering Services Bench under Service Category E: Arterial Operations, which was approved on June 10, 2016. Statements of Qualifications (SOQs) in response to the mini-RFQ were received from the following five consulting firms:

- DKS Associates
- Iteris, Inc.
- Kimley-Horn and Associates, Inc.
- Stantec Consulting Ltd.
- TJKM Transportation Consultants

All SOQs met the minimum qualifications and DBE requirements set forth in the mini-RFQ. A review panel consisting of MTC staff evaluated the SOQs based on the firm's expertise and experience, qualifications of the project manager and key staff, and familiarity working with Bay Area agencies. The panel recommended the following four firms: 1) DKS Associates, 2) Iteris, Inc., 3) Kimley-Horn and Associates, Inc., and 4) TJKM Transportation Consultants. These firms demonstrated strong project management skills, considerable experience and expertise in traffic engineering and services, effective written and presentation skills, and a depth of available resources within their project team in relation to the services required for PASS projects. Attachment B includes a summary of the selected firms and their project teams' small business and disadvantaged business enterprise status.

Stantec Consulting Ltd. was not recommended as it was deemed by the review panel to be not as competitive based on the overall firm experience with respect to the services being sought under this procurement, the strength of the project team, and the written or presentation skills.

### **Recommendation**

Staff recommends that this Committee approve the PASS FY 2017-18 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 contracts 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, 2018, with the option to extend for one additional year: DKS Associates (\$280,700); Iteris, Inc. (\$280,800); Kimley-Horn and Associates, Inc. (\$237,400); and TJKM Transportation Consultants (\$309,100).

  
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Steve Heminger

### **Attachments:**

- Attachment A: Program for Arterial System Synchronization (PASS): FY 2017-18 Cycle of Projects
- Attachment B: Selected Firms and Project Teams' Small Business and Disadvantaged Business Enterprise Status

SH: rr

**Program for Arterial System Synchronization (PASS): FY 2017-18 Cycle of Projects**

| #                                   | County       | Project Sponsor/<br>Application | Project Corridor (# of signals)  | # of Signals | Estimated Program Cost <sup>1</sup> |                             |                    |
|-------------------------------------|--------------|---------------------------------|--|--------------|-------------------------------------|-----------------------------|--------------------|
|                                     |              |                                 |  |              | MTC<br>PASS Grant                   | Local<br>Match <sup>2</sup> | Total              |
| 1                                   | San Mateo    | Belmont                         | Ralston Ave. (14)  | 14           | \$57,960                            | \$6,440                     | \$64,400           |
| 2                                   | Contra Costa | Concord                         | Concord Ave./Galindo St. (16), Clayton Rd. (21), Monument Blvd. (11), Treat Blvd. (9), Willow Pass Rd. (8)     | 65           | \$152,640                           | \$16,960                    | \$169,600          |
| 3                                   | Santa Clara  | Cupertino                       | Stevens Creek Blvd. (14)   | 14           | \$72,540                            | \$8,060                     | \$80,600           |
| 4                                   | Contra Costa | Danville                        | Sycamore Valley Rd. (8), El Cerro Blvd. (4), San Ramon Valley Rd. (5)  | 17           | \$61,155                            | \$13,945                    | \$75,100           |
| 5                                   | Alameda      | Emeryville                      | Shellmound Loop/Christie Ave./Powell St. (12), Hollis St. (8), 40 <sup>th</sup> St. (4), San Pablo Ave. (8)    | 32           | \$135,790                           | \$22,210                    | \$158,000          |
| 6                                   | Sonoma       | Rohnert Park                    | Rohnert Park Expressway (8), Golf Course Dr. (8)   | 16           | \$72,880                            | \$19,120                    | \$92,000           |
| 7                                   | Santa Clara  | San Jose                        | Brokaw Rd. (14), Meridian Ave. (18), Winchester Rd. (12)   | 44           | \$170,170                           | \$30,030                    | \$200,200          |
| 8                                   | Marin        | San Rafael                      | 2 <sup>nd</sup> /3 <sup>rd</sup> St. (13), 4 <sup>th</sup> St. (13), 5 <sup>th</sup> St. (9), Mission Ave. (4) | 39           | \$160,565                           | \$39,535                    | \$200,100          |
| 9                                   | Contra Costa | Walnut Creek                    | Ygnacio Valley Rd./N Main St./Geary Rd. (20), Treat Blvd. (8), Mt. Diablo Blvd. (9)                            | 37           | \$68,120                            | \$11,280                    | \$79,400           |
| <b>Total</b>                        |              |                                 |  | <b>278</b>   | <b>\$951,820</b>                    | <b>\$167,580</b>            | <b>\$1,194,000</b> |
|                                     |              |                                 |  | Contingency  | \$48,180                            | \$0                         | \$48,180           |
| <b>Total FY2017-18 PASS Program</b> |              |                                 |  |              | <b>\$1,000,000</b>                  | <b>\$167,580</b>            | <b>\$1,167,580</b> |

<sup>1</sup> Includes estimated program costs for signal coordination, additional services, communications equipment, local agency agreements, etc.

<sup>2</sup> 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; or 3) carries higher levels of average daily traffic (ADT) or peak hour volumes. The local match constitutes the local agencies' contribution towards the PASS technical consultant services.

**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&amp;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 &amp; Analysis, Inc. (Subcontractor)</i>  | X         | 8197           |    |            |                | X  |
|   | <i>National Data &amp; 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 &amp; 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 &amp; 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 2017-18 Cycle of Projects   |
| Cycle of Projects:    | (See Attachment A to the Executive Director's July 7, 2017 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 2017-18 = \$1,167,580 (Attachment A)  |
| Funding Source:       | CMAQ/STP = \$1,000,000<br>Local Match = 167,580   |
| Fiscal Impact:        | Funding is included in the FY 2017-18 MTC Budget.   |
| Motion by Committee:  | That the projects listed in Attachment A to the Executive Director's July 7, 2016 Memorandum for the FY 2017-18 PASS Cycle of Projects are approved.          |
| Operations Committee: |   |
|                       | <hr/> Dave Cortese, Chair   |
| Approved:             | Date: July 14, 2017   |

## REQUEST FOR COMMITTEE APPROVAL

### Summary of Proposed Contracts

Work Item No.: 1234

Contractors:

- 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: Program for Arterial System Synchronization (PASS)  
FY 2017-18 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 7, 2017 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 (\$280,700)  
Iteris, Inc. (\$280,800)  
Kimley-Horn and Associates, Inc. (\$237,400)  
TJKM Transportation Consultants (\$309,100)

Funding Source: CMAQ/STP = \$946,120  
Local Match = \$161,880

Fiscal Impact: Funding is included in the FY 2017-18 MTC budget.

Motion by Committee: That the Executive Director or his designee is authorized to negotiate and enter into contracts with the listed firms for a one-year period ending June 30, 2018, with the option to extend for one additional year for the purposes described above and in the Executive Director's July 7, 2017 Memorandum, and that the Chief Financial Officer is directed to set aside funds for such contracts in the amounts set forth above.

Operations Committee:

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Dave Cortese, Chair

Approved: Date: July 14, 2017