



Office of the City Manager

CONSENT CALENDAR  
December 13, 2005

To: Honorable Mayor and  
Members of the City Council

From: *PK* Phil Kamlarz, City Manager

Submitted by: Claudette Ford, Acting Public Works Director

Subject: Contract: On-Call Traffic Data Services – Speed Surveys and Volume Counts

RECOMMENDATION

Adopt a Resolution authorizing the City Manager to execute a contract with Multitrans Transportation Consultants, Inc., for speed surveys and volume counts in an amount not to exceed \$50,000 for the period January 1, 2006 through December 31, 2007 with an option for a one-year extension.

FISCAL IMPACTS OF RECOMMENDATION

The contract amount of \$50,000 will be available in Capital Improvement Funds 610-4950-431-3038 and 850-4950-431-3038. Currently this amount is in FY06 budget code 610-4950-431-6560 (\$29,500); and in FY05 carryover fund budget code 850-4950-431-6580 (\$20,500). This \$50,000, earmarked for the City's traffic calming program, will be moved to the appropriate budget codes for professional services through budget modifications on Council approval of this item. The CMS number is XTD1M. The quality of grant applications is enhanced by the inclusion of accurate and up-to-date traffic data, so this expense may be partially offset by the award of grants.

CURRENT SITUATION AND ITS EFFECTS

The existing on-call contract with Marks Traffic Data will expire on December 31, 2005. It is important to execute a new contract without delay due to the high demand for traffic data for various traffic programs and projects.

BACKGROUND

Speed surveys and volume counts are essential to traffic engineering for evaluating streets and intersections for designing traffic control devices and traffic calming measures, and for installing speed feedback signs. The Berkeley Police Department also depends on these surveys for assessing streets and intersections for enforcement programs. The Public Works Department, Transportation Division, issued a request for proposals (RFPs), Specification No. 06-10092-C, to eight potential bidders on October 19, 2005. Staff selected the lowest responsible bidder, Multitrans Transportation Consultants, Inc. (MTCI), out of four companies responding to the RFP. Neighborhood complaints and requests for safety studies, as well as police department

requests for assessments of various streets and intersections needing enforcement, have added significantly to our need for traffic surveys.

RATIONALE FOR RECOMMENDATION

MTCI was selected on the basis of their overall pricing (see Exhibit A for bid price comparisons) and experience with municipal agencies. MTCI is the most cost-effective service in all categories of traffic volume and speed data collection, except in one category rarely used. All references for MTCI provided very positive feedback on the quality of their work.

ALTERNATIVE ACTIONS CONSIDERED

There are insufficient staff resources available in-house for the Transportation Division to conduct the required traffic speed and volume data collection. The only alternative would be to postpone indefinitely the execution of certain assignments and responses to inquiries and complaints.

CONTACT PERSON

Peter Hillier, Assistant Public Works Director, 781-7010

Attachment:

- 1: Resolution
- 2: Bid Comparison – Price Schedule for Traffic Speed Surveys and Volume Counts

RESOLUTION NO. ##,###-N.S.

CONTRACT WITH MULTITRANS TRANSPORTATION CONSULTANTS, INC. FOR  
SPEED SURVEYS AND VOLUME COUNTS

WHEREAS, outside traffic data collection services are needed for speed surveys and volume counts essential to traffic engineering for evaluating streets and intersections for designing traffic control devices and traffic calming measures, and for installing speed feedback signs; and

WHEREAS, a Request for Proposal was issued and Multitrans Transportation Consultants, Inc., was selected from four respondents as the most qualified and providing the most cost-effective services; and

WHEREAS, the City lacks both the human resources and equipment necessary to carry out all the traffic studies the vendor is capable of providing; and

WHEREAS, the Public Works Department, Transportation Division, must conduct studies requiring these services to respond timely to citizen concerns and police department requests; and

WHEREAS, funds in an amount not to exceed \$50,000 for these services are available in budget codes 610-4950-431-3038 and 850-4950-431-3038; CMS No. XTD1M.

NOW THEREFORE, BE IT RESOLVED by the Council of the City of Berkeley that the City Manager is authorized to execute a contract and any amendments with Multitrans Transportation Consultants, Inc., to provide traffic data collection services and speed surveys and volume counts to be used for evaluating streets and intersections and designing traffic control devices and traffic calming measures and installing speed feedback signs for the term January 1, 2006 to December 31, 2007 with an option for a one-year extension. A record signature copy of said contract and any amendments to be on file in the Office of the City Clerk.

**Exhibit - A**  
**BID COMPARISON**  
**PRICE SCHEDULE FOR TRAFFIC SPEED SURVEYS AND VOLUME COUNTS**

| Consultants  | Multitrans Transportation Consultants, Inc. | Marks Traffic Data                 | Traffic Data Services             | PHA Transportation Consultants    |
|--|---|------------------------------------|-----------------------------------|-----------------------------------|
| <b>Type of Data Collection</b>   | <b>Cost (5 or fewer locations)</b>          | <b>Cost (5 or fewer locations)</b> | <b>Cost (5 or more locations)</b> | <b>Cost (5 or more locations)</b> |
| Single 2-hour count – 1 person   | 90  | 125                                | 180                               | 180                               |
| Single 2-hour count – 2 person   | 125   | 185                                | 225                               | 360                               |
| Single 3-hour count – 1 person   | 135   | 160                                | 220                               | 270                               |
| Single 3-hour count – 2 person   | 170   | 260                                | 260                               | 540                               |
| 2-hour AM & 2-hour PM count – 1 person                                     | 180   | 250                                | 400                               | 360                               |
| 2-hour AM & 2-hour PM count – 2 person                                     | 250   | 370                                | 485                               | 700                               |
| 2-hour AM & 3-hour PM count – 1 person                                     | 225   | 285                                | 400                               | 420                               |
| 2-hour AM & 3-hour PM count – 2 person                                     | 295   | 445                                | 485                               | 800                               |
| 2-hour AM, 2-hour MD & 2 hour PM count – 1 person                          | 270   | 375                                | 450                               | 600                               |
| 2-hour AM, 2-hour MD & 2 hour PM count – 2 person                          | 375   | 555                                | 600                               | 1200                              |
| 2-hour AM, 3-hour MD & 2 hour PM count – 1 person                          | 315   | 410                                | 475                               | 750                               |
| 2-hour AM, 3-hour MD & 2 hour PM count – 2 person                          | 400   | 630                                | 650                               | 1400                              |
| <b>Standard 24-hour ADT Machine Counts</b>                                 |   |                                    |                                   |                                   |
| First day (two directions)   | 75  | 90                                 | 150                               | 150                               |
| Additional consecutive days (two directions)                               | 5   | 20                                 | 25                                | 50                                |
| <b>Speed Counts</b>  |   |                                    |                                   |                                   |
| First day (two directions)   | 85  | 115                                | 200                               | 150                               |
| Additional consecutive days (two directions)                               | 10  | 20                                 | 30                                | 50                                |
| <b>Axle Classification Counts</b>  |   |                                    |                                   |                                   |
| First day (two directions)   | 85  | 115                                | 200                               | 150                               |
| Additional consecutive days (two directions)                               | 10  | 20                                 | 30                                | 50                                |
| <b>Pedestrian Crosswalk Survey/Driver Reaction Survey</b>                  |   |                                    |                                   |                                   |
| 1 to 2 person  | \$45/hr/person                              | \$40/hr/person                     | 300                               | 300                               |
| 3 or more person   | \$45/hr/person                              | \$40/hr/person                     | 350                               | 450                               |
| <b>Guaranteed Data Collection and Report Response Times (in work days)</b> | <b>Within 5</b>                             | <b>Within 5</b>                    | <b>N/A</b>                        | <b>3 Work days</b>                |
|  |   |                                    | <b>N/A</b>                        | <b>5 Work Days</b>                |