

Review of Proposals
RFP 0-2558 Interstate 405 Transmodeler Simulation Model Development

Presented to the Regional Planning and Highways Committee on April 5, 2021.
Four proposals were received, four firms were interviewed, one firm is being recommended.

| Overall Ranking | Proposal Score | Firm & Location | Sub-Contractors | Evaluation Committee Comments | Firm-Fixed Price |
|-----------------|----------------|--|--------------------------------|---|------------------|
| 1 | 86 | Fehr & Peers Irvine, California | Jacobs Engineering Group, Inc. | Experience developing simulation models for various transit agencies. Firm established in 1985. Firm's experience includes the Interstate 15 Express Lanes Southern extension for Riverside County Transportation Commission and Interstate 90 Front Street Interchange improvement program for Washington State Department of Transportation. Proposed subconsultant with recent development models and related projects for California Department of Transportation and Orange County Transportation Authority (OCTA). Project team has microsimulation and managed lanes experience. Demonstrated a thorough and concise understanding of OCTA's requirements. Provided a detailed flow chart of the technical process with all major and minor phases identified. Proposed the use of various data collection efforts. Demonstrated during the interview key lessons learned from prior simulations. Proposed competitive pricing below the independent cost estimate. | \$399,887.00 |
| 2 | 84 | Cambridge Systems, Inc. Los Angeles, California | None | Experience developing simulation models for various transit agencies. Firm established in 1972. Firm's experience includes the microsimulation development for Interstate 405 for OCTA, Gateway Cities Strategic Plan, and Mesoscopic Simulation Model for Los Angeles County Metropolitan Transportation Authority. Comprehensive understanding of the scope of work. Proposed the use of various data collection efforts. Staff proposed over 50 percent availability. Proposed second lowest firm-fixed price. | \$399,000.00 |
| 3 | 81 | CLR Analytics Irvine, California | Systems Metrics Group | Experience developing simulation models for various transit agencies. Firm established in 2007. Firm's experience includes the the Southern California Corridor System Management Plan. Recent simulation models for California Department of Transportation, Southern California Association of Government, Los Angeles County Metropolitan Transportation Authority. development. PM has over 20 years of experience, including teaching traffic simulation at the University of California, Irvine. Information regarding key personnel's experience with microsimulation projects was lacking. Proposed highest firm-fixed price. | \$400,000.00 |
| 4 | 78 | TJKM Transportation Consultants Pleasanton, California | None | Experience developing simulation models for various transit agencies. Firm established in 1974. Recent experience includes Interstate 80/Gilman Street Interchange Improvement PA/ED Project for Alameda County. Key personnel have limited experience with managed lanes. Good overall understanding of the scope of work. Proposed lowest firm-fixed price. | \$362,005.00 |

Acronyms

RFP - Request for Proposals

PA/ED - Project Approval/Environmental Document

Evaluation Panel:

Internal:

Contracts Administration and Materials Management (1)

Planning and Analysis (1)

Project Development (1)

Transportation Modeling (2)

Proposal Criteria

Qualifications of the Firm

Staffing and Project Organization

Work Plan

Cost and Price

Weight Factors

25%

30%

25%

20%

External:

County of Orange (1)