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SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

FROM: Transportation and Land Management Agency (TLMA)
Administrative Services Department

SUBMITTAL DATE:
December 7, 2007

SUBJECT: Development of the Transportation Analysis and Simulation System (TRANSIMS) and Population Synthesis Model – Approval of Sole Source Award to the University of California, Riverside

RECOMMENDED MOTION: That the Board of Supervisors:

1. Approve and execute the attached sole source agreement between the County of Riverside and the University of California, Riverside (UCR) for the development of the Transportation Analysis and Simulation System (TRANSIMS) and supporting Population Synthesis model for an amount not to exceed \$160,000; and,
2. Authorize the TLMA Administrative Service Director or her designee to sign any ministerial amendments on behalf of the Board of Supervisors.

BACKGROUND:

On July 31, 2006 (Item 3.122), the Board of Supervisors approved an Engineering Services Agreement with Iteris, Inc. for the purpose of developing a traffic model to replace the Riverside County Integrated Project (RCIP) Traffic Models. The attached agreement between the University of California, Riverside (UCR) and the Riverside County Transportation and Land Management Agency (TLMA) is for the development of the Transportation Analysis and Simulation System (TRANSIMS) and supporting Population Synthesis model to produce detailed population and household estimates and forecasts by Small Geographic Areas, a necessary tool for the development of the new traffic model.

(continued)

Katherine Gifford
Katherine Gifford, Director

TLMA Administrative Services Department

FINANCIAL DATA	Current F.Y. Total Cost:	\$160,000	In Current Year Budget:	Yes
	Current F.Y. Net County Cost:	\$160,000	Budget Adjustment:	No
	Annual Net County Cost:	\$0	For Fiscal Year:	FY 07-08

SOURCE OF FUNDS: Contributions To Other Funds (10000-1101000000) **Positions To Be Deleted Per A-30**

Requires 4/5 Vote

C.E.O. RECOMMENDATION: APPROVE

BY: *Tina Grande*
Tina Grande

County Executive Office Signature

FORM APPROVED COUNTY COUNSEL
BY: NEAL R. KIPNIS
DATE

Purchasing: *Mark Sailer*
Mark Sailer, Assistant Director

Dept's Recomm.: Consent Policy X

Per Exec. Ofc.: Consent Policy X

Prev. Agn. Ref.: 7/31/07 (3.122) | District: All | Agenda Number:

ATTACHMENTS FILED
WITH THE CLERK OF THE BOARD

3.56

BACKGROUND: (Continued)

The traffic modeling effort is being developed in cooperation with the Coachella Valley Association of Governments (CVAG), the Western Riverside Council of Governments (WRCOG) and the Southern California Association of Governments (SCAG). Without delay, Riverside County is charged with producing Traffic Analysis Zone (TAZ) level socioeconomic data sets for base and forecast years for the new traffic model. This deadline cannot currently be met by internal resources within the county. Further, it is recommended that this contract be awarded to UCR under sole source, because it is one of the few entities nationwide and the only local entity with an expertise in the Population Synthesizer of TRANSIMS.

The final synthetic population will include a record for each household and a record for each person within the household, along with characteristics for each person and each household with geographic identifiers to facilitate aggregation to areas such as TAZ, Census Tracts, and Census Designated Places. The final product will include a synthetic population and household characteristic model for the years 2005 through 2035 in five year increments.

The Population Synthesizer model will serve other County forecasting data needs to support program planning, fiscal planning and infrastructure planning purposes. This model will be part of an integrated socio-economic estimation and forecasting system. These estimates and forecasts provide input into local and regional travel demand models, assessing housing needs, facility planning, program planning and fiscal planning.

The TLMA Administrative Services Director will have the concurrence of County Purchasing and County Counsel prior to approving ministerial amendments.

Price Reasonableness:

The project cost is in line with regional professional service rates experienced during other projects. While this project is for a fixed fee, when calculated, the hourly rate is less than \$100 per hour.

Date: December 7, 2007
From: Katherine Gifford, Director of Administrative Services TLMA
To: Board of Supervisors
Via: Purchasing Agent
Subject: Sole Source Procurement; Request for

The below information is provided in support of my Department requesting approval for a sole source. Outside of a duly declared emergency, the time to develop a statement of work or specifications is not in itself justification for sole source.

Supply/Service being requested:

Development and Procurement of a Population Synthesizer.

Supplier being requested: University of California, Riverside (UCR)

Alternative suppliers that can or might be able to provide supply/service:

It is recommended that this contract be awarded to UCR under sole source, because it is one of the few entities nationwide, and the only local entity with an expertise in the Population Synthesizer of the Transportation Analysis and Simulation System (TRANSIMS).

Additionally, Southern California Association of Governments (SCAG) and other regional planning agencies require this information by the first quarter of 2008 with further information required throughout the year. This deadline can not currently be met by internal resources within the county.

Extent of market search conducted:

Through inquiries made with other public agencies responsible for similar projects, internal expertise was utilized to produce required information in neighboring regional jurisdictions. Through this project, a level of expertise and knowledge will be brought to the county for immediate and future use.

Unique features of the supply/service being requested from this supplier, which no alternative supplier can provide:

The traffic modeling effort is being developed in cooperation with the Coachella Valley Association of Governments (CVAG), the Western Riverside Council of Governments (WRCOG) and the SCAG. Without delay, Riverside County is charged with producing Traffic Analysis Zone (TAZ) level socioeconomic data sets for base and forecast years for the new traffic model.

UCR will prepare, with County input, a computer model, documentation and training to produce detailed population and household estimates and forecasts by Small Geographic Areas. The final synthetic population will include a record for each household and a record for each person within the household along with characteristics for each person and each household with geographic identifiers to facilitate aggregation to areas such as Traffic Analysis Zones, Census Tracts, and Places. The final product will include a synthetic population and household characteristic model for the years 2005 through 2035 in five year increments.

*This model will be part of an integrated socio-economic estimation and forecasting system. These estimates and forecasts provide input into local and regional travel demand models, assessing housing needs, facility planning, program planning and fiscal planning.

Reasons why my department requires these unique features and what benefit will accrue to the county:

On July 31, 2006 (Item 3.122), the Board of Supervisors approved an Engineering Services Agreement with Iteris, Inc. for the purpose of developing a traffic model to replace the Riverside County Integrated Project (RCIP) Traffic Models. The attached agreement between UCR and the Riverside County Transportation and Land Management Agency (TLMA) is for the development of TRANSIMS and supporting Population Synthesis model. This effort will produce detailed population and household estimates and forecasts by Small Geographic Areas, and is a necessary tool for the development of the new traffic model.

The Population Synthesizer will immediately produce socio-economic data required as input into a Trip Demand Model (TDM), currently in development for the County's Transportation Department. The Population Synthesizer model will serve other forecasting data needs to support program planning, fiscal planning and infrastructure planning purposes.

Price Reasonableness:

The project cost is in line with regional professional service rates experienced during other projects. While this project is for a fixed fee, when calculated, the hourly rate is less than \$100 per hour.

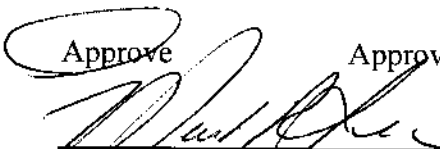
Does moving forward on this product or service further obligate the county to future similar contractual arrangements? No.


Department Head Signature

12/10/07
Date

Purchasing Department Comments:

Approve Approve with Condition/s Disapprove


Purchasing Agent Date