



CITY OF KIRKLAND

Department of Finance & Administration

123 Fifth Avenue, Kirkland, WA 98033 425.587.3100

www.ci.kirkland.wa.us

To: Dave Ramsay, City Manager

From: Tracey Dunlap, Director of Finance & Administration
Barry Scott, Purchasing Agent

Date: September 26, 2006

Subject: REQUEST FOR SOLE SOURCE PURCHASE AUTHORIZATION – DECCAN COMPUTER AIDED ANALYST MODULE

RECOMMENDATION:

It is recommended that the City Council authorize a “sole source purchase” for a Computer Aided Dispatch Analyst module manufactured and sold by Deccan International.

POLICY IMPLICATIONS:

This request is consistent with KMC3.85.040, which allows for the purchase of items in excess of \$20,000 without competitive bidding if the “purchase is clearly and legitimately limited to a single source of supply.”

BACKGROUND DISCUSSION:

Per the attached memo from Deputy Chief Jack Henderson, the Fire Department is recommending the purchase of the Deccan Computer Aided Dispatch Analyst module. The primary justification for the purchase of this particular product is that it is the module already in use by our Automatic and Mutual Aid partners (Bellevue, Redmond, Woodinville and Eastside Fire & Rescue) and we would need to have the same module in order to be part of the integrated regional system.

Deccan International is the manufacturer of this software system. We have verified with Deccan International that the Computer Aided Dispatch Analyst module can only be purchased directly from them. We have also verified that the cities of Bellevue and Redmond had to purchase their Deccan systems directly from Deccan International.

The City’s Chief Information Officer, Brenda Cooper, is aware of this planned purchase and agrees that sole source authorization is justified.

As noted in Deputy Fire Chief Jack Henderson’s memo, the total purchase price for the Computer Aided Dispatch Analyst is \$28,795 plus applicable sales tax.

cc: Jack Henderson, Deputy Fire Chief



CITY OF KIRKLAND

Fire & Building Department

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MEMORANDUM

To: Barry Scott, Purchasing Agent

From: Jack Henderson, Deputy Chief (Operations) Fire & Building Department

Date: September 8, 2006

Subject: Request for Sole Source Authorization – DECCAN Computer Aided Dispatch
Analyst and Apparatus Deployment Analyst
Module Software Programs

Deccan International's Computer Aided Dispatch (CAD) Analyst module is a performance analysis software solution that will be used by Fire Department Administration and Emergency Preparedness to create objective, factual data to graphically show how the department functions on key performance indicators. It is designed as a PC-based application to do "what if" analysis on the historical database of incident and response information collected by our CAD. The CAD Analyst uses essential incident and response data from the existing CAD systems (Bellevue) for analysis on response performance. The results are shown in the form of color-coded maps that assist in visualizing and understanding key performance indicators of the department.

Deccan International's Apparatus Deployment Analysis Module (ADAM) product is a strategic planning application for Fire Administration and Emergency Preparedness to find alternate solutions to tackle numerous strategic challenges faced by department operations. It helps ask "what if" performance questions to easily and effectively evaluate the impact of changes in the field before they are made.

ADAM will also:

- Perform a detailed "what if" analysis of station locations based on response times from different station locations to each part of the City's response area using the City's road network.
- Has the capability to project emergency incident workloads based on the existing and anticipated geographic distribution of population and associated demographics as well as utilize current and historical incident workload information.
- Enables the user to specify alternate fire apparatus location scenarios by merely dragging the apparatus with their "mouse" from one location to another. Then automatically recalculates and graphically displays the resulting response performance.
- Data is calibrated so that response performance projections for the current location scenario closely match the actual recorded performance.
- Incorporates current workloads and current response information so the scenarios will be a true reflection of current performance and a reliable projector of future performance.
- Estimates response travel distance based on the street network, not "as the crow flies." Time-Speed distance models are used for all calculations.
- Estimates "call-to-scene" times under new location scenarios based on historical data only, not on assumptions based on related items such as travel speeds.

- Supports the relocation of stations and/or units simply by clicking on an object and dragging the object to a new location. This allows the user to recalculate all the values. The system defines run assignments as a factor of travel distances for the first, second, third, etc.

This program has been purchased and is being used by our Automatic and Mutual Aid partners; Bellevue, Redmond, Woodinville, and Eastside Fire & Rescue and would make Kirkland part of an integrated system. With these agencies all using the same system it would be an invaluable tool in a large emergency as well as our day to day functions.

Cost Proposal - CAD Analyst & ADAM Applications	Cost	1* Year Maintenance*	Total Cost
Total Price for CAD Analyst & ADAM LITE – Software, Licenses	\$21,200	\$4,240	\$25,440
Options: View partition area scores (Pre-defn partitions feature)	\$2,250	\$450	\$2,700
Total Price for CAD Analyst and ADAM	\$23,450	\$4,690	\$28,140
(10% Discount)	(\$2,345)		
1 MapInfo Professional + 1 MapInfo Runtime License	\$3,000		\$3,000
Net Price for CAD Analyst and ADAM (Including MapInfo, Licenses and Options)	\$24,105	\$4,690	\$28,795

Maintenance Cost by Year*	Cost
Maintenance Cost for Year II	\$5,159
Maintenance Cost for Year III	\$5,675
Maintenance Cost for Year IV	\$6,242
Maintenance Cost for Year V	\$6,242

* Starts from date of purchase

Director of Fire & Building Department _____

RESOLUTION R-4605

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF KIRKLAND APPROVING A SOLE SOURCE PURCHASE OF A COMPUTER AIDED DISPATCH ANALYST MODULE MANUFACTURED AND SOLD BY DECCAN INTERNATIONAL AUTHORIZING THE PURCHASING AGENT TO MAKE SAID PURCHASE.

WHEREAS, the City Purchasing Agent, on the advice of the of the Deputy Fire Chief of the Fire Department, has requested the approval of the City Council for sole source purchase of the following Computer Aided Dispatch Analyst Module pursuant to Kirkland Municipal Code Section 3.85.040:

- Deccan CAD Analyst and ADAM Lite Software and Licenses
- View partition area scores feature
- Mapinfo Professional and Mapinfo license
- Annual maintenance agreement

WHEREAS, the City Council finds that the facts and circumstances presented support the conclusion that such purchases are clearly and legitimately limited to a single source supply and in the best interest of the City,

NOW, THEREFORE, be it resolved by the City Council of the City of Kirkland as follows:

Section 1. The City Council of the City of Kirkland hereby finds that the purchase of the Deccan Computer Aided Dispatch Analyst Module for the Fire Department meets the requirements of KMC 3.85.40 for purchase without competitive bid, Deccan is the only provider of this system.

Passed by majority vote of the Kirkland City Council in open meeting this ____ day of _____, 2006.

Signed in authentication thereof this ____ day of _____, 2006.

MAYOR

Attest:

City Clerk