REQUEST FOR PURCHASE IN EXCESS OF $20,000/CHANGE ORDER

To: Members of the Edina Housing & Redevelopment Authority

From: Chad A. Millner, PE, Director of Engineering

Date: September 16, 2015

Agenda Item #: V.

The Recommended Bid is

☒ Within Budget

☐ Not Within Budget

Subject: Request For Purchase – Southdale Area Traffic Model and Transportation Study

Date Bid Opened or Quote Received:
August 31, 2015

Bid or Expiration Date:
N/A

Company:
WSB & Associates, Inc.

Amount of Quote or Bid:
$63,577.00

Recommended Quote or Bid:
WSB & Associates, Inc. $63,577.00

General Information:
The Southdale area is a vital hub of commercial, health care and residential activity for Edina and surrounding communities. Based on recently completed investments in the area and the high interest level for additional redevelopment of aging properties in the area, an update to our traffic model and a transportation study is warranted. This model will allow the City to more fully evaluate the impact of proposed land use and transportation changes in the area. Based on the information generated, the City should be able to more clearly advocate for additional improvements by partners at the County, Regional and State levels.

In 2008, WSB assisted the City in the development of the original traffic model for the Southdale Area. This project will update that model and prepare a transportation analysis for two land use density scenarios. The results of the study will document the traffic needs on the roadways and analyze roadway geometrics and traffic control improvements required to accommodate future traffic growth. It will also analyze the existing and future pedestrian and bicycle system needs.

Hennepin County recently completed intersection traffic movement counts on intersections along France and York Avenues. This information will be available to us and thus reduces the cost of our project.

The project is listed in the Capital Improvement Plan under CIP #15-167 with a total budget of $125,000. Funding for the project will be utilized from the Centennial Lakes TIF District. Staff recommends approving the proposal with WSB & Associates, Inc.

Attachment
Southdale Area Model Update and Transportation Study Proposal

G:\PW\CENTRAL SVCS\TRANSPORTATION DIV\Transportation Studies\Southdale Transportion Study\MISC\Item IV. xxx RFP.docx

WSB & Associates, Inc.

Infrastructure ■ Engineering ■ Planning ■ Construction

701 Xenia Avenue South
Suite 300
Minneapolis, MN 55416
Tel: 763 541-4800
Fax: 763 541-1700

August 31, 2015

Mr. Chad Millner, PE
Director of Engineer
Edina Public Works
7450 Metro Blvd.
Edina, MN 55349

Re: Southdale Area
Model Update and Transportation Study Proposal

Dear Mr. Millner:

WSB & Associates, Inc. is pleased to submit this proposal to update the traffic and transportation models and prepare a transportation study for the Southdale area. As we have discussed, the project will involve updating the existing Synchro/SimTraffic traffic models in the Southdale area, updating the CUBE transportation planning model for the entire City and preparation of a transportation analysis for two land use density scenarios in the Southdale area.

The study area was expanded to include area north of TH 62. A scope of works has been developed and is attached for your information. The estimated cost for the planning and engineering services will be based on our current hourly rates, and is estimated at $63,577. Also included is a breakdown of cost by task and the proposed schedule which assumes completion of the project by mid-February 2016.

If the proposed Scope of Work and the associated fee appear to be appropriate, please sign a copy of the proposal and return to me at your earliest convenience. We will proceed immediately upon receipt of the signed contract.

Thank you for consideration of WSB & Associates, Inc. for these professional planning and engineering services. If you have any questions or require any additional information, please do not hesitate to give me a call at 763-287-7183.

Sincerely,

WSB & ASSOCIATES, INC.

Charles T. Rickart, PE, PTOE
Principal/Project Manager

CITY OF EDINA

_____
Authorized Signature

_____
Its

_____
Date

Southdale Area
Model Update and Transportation Study

SCOPE OF WORK

UNDERSTANDING

In 2008 WSB assisted the City in the development of a traffic model for the Southeast area (Southdale) of the City. The study area was bounded by TH 62 (Crosstown) on the north, the Richfield/Edina border on the east, the Bloomington/Edina border on the south and TH 100 on the west. The model included 40 signalized intersections, 20 un-signalized intersections, and three roundabouts.

The purpose in developing the model was to provide a consistent baseline for traffic analysis and to provide continuously updated results to help gauge the compound effect of multiple developments in the Southdale area. Since the model was completed, it has been used by several developers and the City in reviewing the area traffic impacts of proposed development.

Although, the model has been continually updated with traffic characteristics from approved developments the original traffic conditions were based on 2007 traffic counts. It is now in need of updating and recalibration with new traffic counts.

Also in 2008 WSB assisted the City in preparation of the Transportation Plan in conjunction with the Comprehensive Plan update. As part of the Transportation Plan a city wide transportation planning model was developed for the existing and future land use projections. Sense the preparation of the land use projections in the Transportation Plan density changes have occurred in the Southdale area. In addition questions of the appropriate density have been asked for the area specifically on the west side of France Avenue.

In March of 2015 the City Council appointed a working group that developed the Working Principles for the France Avenue Southdale Area. These principals will serve as a tool to guide the development process for the whole Southdale area, and demonstrate methods that might be used during the Comprehensive Plan update in 2018. In order to provide data to assist in moving this process to the next stages, development of transportation forecasts should be completed.

In discussions with City staff it was determined that the study area be expanded to include the area north of TH 62 to W 60th Street.

Based on our understanding of the existing traffic and transportation models and the issues and concerns within the Southdale area we have developed the following work tasks to prepare the model updates and transportation study.

WORK TASKS

Task 1 – Project Management

This task includes planning and coordination of all work tasks, establishing and monitoring of the budget, communication with City Staff, and periodic meetings with staff on the project status.

Task 2 – Data Collection

Available traffic and land use data will be collected from the City of Edina, Hennepin County and MnDOT. This will include but not limited to; existing traffic volume data, traffic signal timing plans, approved development plans, roadway improvement plans, existing land use (population, households and employment) data, forecasted land use data, etc. In addition a field review to update and document the existing conditions will be conducted.

In order to calibrate the traffic models additional traffic volume counts will be collected by WSB personnel. It is assumed that up to 20 intersection turning movement counts will be collected during the weekday AM peak hour, weekday PM peak hour, Saturday peak hour and the weekday off-peak hour. In addition up to 20 roadway segment, 48 hour directional average daily traffic counts would be collected.

In conjunction with the vehicle traffic counting, pedestrian and bike counts will be conducted at up to 10 locations within the Southdale study area. Video cameras will be utilized in these locations to document the existing pedestrian and bike utilization.

The exact number and location of the counts will be determined after available data is received and reviewed.

Task 3 – Traffic Model Update

A Synchro/SimTraffic model has been prepared which includes 40 signalized intersections, 20 un-signalized intersections and 3 roundabouts. This model will be updated using the new traffic volume information, updated roadway configuration and signal timing information collected as part of Task 2. This task will also include expanding the model study area to include the area north of TH 62 to W 60th Street. It is anticipated that an additional 3 signalized intersections, 5 un-signalized intersections and 2 roundabouts will be added to the roadway network.

The results of this task will be an updated 2015 base area model that can be used to evaluate traffic impacts as new development is proposed in the Southdale area.

Task 4 – Transportation Plan Model Update

The City's current Transportation Plan includes traffic projections to the year 2030. These projections are based on existing and future land use within the City. The CUBE transportation planning model was used to prepare the forecasts using the Metropolitan Councils roadway and land use data as the base and then modified for the City of Edina.

This task will include updating the current model and projecting traffic to the year 2040 for the entire City using the existing Comprehensive plan land use (population, households and employment). For the Southdale area traffic forecasts will be prepared for an alternative land use scenario increasing the density to 50 units per acre. This information will then be used to determine the anticipated future traffic impacts on the area roadways (Task 5).

Task 5 – Traffic Operational Analysis

An operational analysis will be prepared using the area Synchro/SimTraffic model updated in Task 3. The future 2040 traffic conditions will be based on the forecasts developed as part of Task 4 and will evaluate two scenarios; the current Comprehensive Plan land use and the increased density land use. The analysis will document the traffic needs on the roadways in the Southdale area. This will include an analysis documenting the roadway geometric and traffic control improvements required in the area to accommodate existing and future traffic growth.

Task 6 - Pedestrian and Bicycle Analysis

An analysis of the existing and future pedestrian and bicycle system in the Southdale study area will be conducted. The analysis will include review of the local/regional system and identification of future connections or revisions based on the guidelines and requirements in the City's Comprehensive Plan.

Task 7 – Meetings

It is anticipated that up to six (6) coordination meetings will held with the City. These will include the following:

- City Staff (3)
- Transportation Commission (1)
- Planning Commission (1)
- City Council Work Session(1)

Should additional meetings be required they would be billed at our standard hourly rates.

Task 8 - Report Preparation / Model Documentation

WSB will prepare a memorandum report documenting the methodologies and analysis from the above tasks including any recommendations for roadway geometric or traffic control improvements. WSB would submit a draft report to the City for their review. The draft report will be presented to the Edina Transportation Commission, Planning Commission and City Council for review. WSB would then prepare a final report to incorporate any comments received from the City.

ESTIMATED COST

The estimated cost is based on the above scope of services. WSB & Associates, Inc. will bill for the actual hours worked at each employee classification times the current WSB hourly rates for that employee classification up to the maximum of **$63,577.**

Tasks	Edina Cost
Task 1 – Project Management	$4,704
Task 2 – Data Collection	$14,456
Task 3 – Traffic Model Update	$9,975
Task 4 – Transportation Planning Model Update	$12,264
Task 5 – Traffic Operations Analysis	$9,387
Task 6 – Pedestrian / Bike Analysis	$5,502
Task 7 – Meetings	$3,258
Task 8 – Report Preparation	$3,531
Total Labor Cost	**$63,077.00**
Expenses (Mileage, Printing, etc)	**$500.00**
Total Project Cost	**$63,577.00**

SCHEDULE

City Approves Proposal ..... September 15, 2015
Meeting with City Staff ..... Week of September 21, 2015
Data Collection / Traffic Counts ..... September / October 2015
Traffic Model Update ..... October / November 2015
Transportation Model Update ..... October / November 2015
Meeting with City Staff ..... Week of November 16, 2015
Traffic Operations Analysis ..... November / December 2015
Draft Report ..... December 11, 2015
Meeting with City Staff ..... Week of December 28, 2015
TAC Meeting ..... January 21, 2016
Planning Commission ..... January 27, 2016
City Council Work Session ..... February 2, 2016
Final Report ..... February 12, 2016