

per Thousand Dollars (\$1,000) of taxable valuation, as equalized; and further, Special Lighting (Christian Hills) be levied at the rate of \$10.33 per lot or description,

Be It Further Resolved, that the Assessor of the City of Rochester Hills be and hereby is authorized to have said amounts spread on the 2003 Tax Rolls.

ROLL CALL VOTE:

Ayes: Holder, Duistermars, Golden, Robbins

Nays: Dalton, Barnett

Absent: Hill

MOTION CARRIED

- 16b. Request for Purchase Authorization - COMMUNICATIONS:** Local Telephone Service and Advertising for Essential Circuits and Lines, blanket purchase order not-to-exceed \$150,000.00; SBC Communications, Saginaw, MI (Members received a copy of a City Council Regular Meeting Agenda Summary Sheet dated August 25, 2003 from Vincent Foisy, Supervisor of Communication Systems)

Resolution A0697-2003-R0343

MOTION by Barnett, seconded by Holder,

Resolved, that the Rochester Hills City Council approves the Blanket Purchase Order for SBC Communications not to exceed \$150,000 through June 30, 2005.

Be It Further Resolved, that the Mayor and City Clerk are authorized to execute and deliver the contract on behalf of the City.

Ayes: Dalton, Barnett, Duistermars, Golden, Holder, Robbins

Nays: None

Absent: Hill

MOTION CARRIED

- 16c. Request for Purchase Authorization - DPS:** Professional Services for Tienken Road and Kings Cove Intersection, Traffic Signal and Bridge, blanket purchase order not-to-exceed \$159,350.00; Hubbell, Roth & Clark, Inc., Pontiac, MI (Members received a copy of a City Council Regular Meeting Agenda Summary Sheet dated September 8, 2003 from Paul Davis, City Engineer)

Resolution A0704-2003-R0344

MOTION by Duistermars, seconded by Golden,

Resolved to POSTPONE the request to award a contract for Professional Services between Hubbell, Roth & Clark, Inc. and the City of Rochester Hills for the Tienken Road & Kings Cove Intersection-Traffic Signal & Bridge Study in the amount not-to-exceed \$159,350.00 and authorize the Mayor and Clerk to execute a contract on behalf of the City.

Ayes: Dalton, Barnett, Duistermars, Golden, Holder, Robbins
Nays: None
Absent: Hill

MOTION CARRIED

17. COUNCIL COMMITTEE REPORTS

Council had nothing to report.

18. ANY OTHER BUSINESS

Ms. Holder expressed her disappointment at the early departure of one of her fellow Council members.

19. NEXT MEETING DATE - Wednesday, September 17, 2003 Regular Meeting.

20. ADJOURNMENT

There being no further business to discuss before Council, President Dalton adjourned the meeting at 11:17 p.m.

JOHN L. DALTON, President
Rochester Hills City Council

MARGARET A. STRATE
Administrative Secretary
City Clerk's Office

BEVERLY A. JASINSKI, Clerk
City of Rochester Hills

City Council Agenda Summary Sheet (Purchases)

Agenda No 16c: **Request for Purchase Authorization** - DPS: Professional Services for Tienken Road and Kings Cove Intersection, Traffic Signal and Bridge, blanket purchase order not-to-exceed \$159,350.00; Hubbell, Roth & Clark, Inc., Pontiac, MI (A0704)

Date: September 8, 2003

Prepared By: Paul M. Davis, City Engineer
Department of Public Services Engineering; (248) 841-2486

City File No: E02-024 Tienken & Kings Cove Traffic Signal & Bridge Study

Meeting Date: September 17, 2003

PURPOSE:

City Council is requested to authorize an Professional Service Agreement between Hubbell, Roth & Clark, Inc. (HRC) and the City of Rochester Hills to provide final design engineering and specifications for proposed roadway improvements at Tienken and Kings Cove Roads in the amount not to exceed \$159,350.00

DISCUSSION:

In May 1999, Hubbell, Roth & Clark, Inc. (HRC) was selected through the process of a Request for Proposal to conduct the Tienken Road Corridor Study. The Tienken Corridor Study recommended future improvements along Tienken Road from the intersection of Livernois to just East of Sheldon Road. One of the study recommendations is to expand Tienken Road to three lanes wide in the area of Kings Cove and Tienken Road intersection.

HRC was subsequently retained to complete a traffic study for Tienken and Kings Cove Roads to determine whether a traffic signal was warranted. As part of the traffic study scope, HRC was requested to review the latest traffic counts to determine whether a three-lane roadway was sufficient for the projected vehicular volumes. Three traffic signal warrants were met to support the installation of a traffic signal at Kings Cove and Tienken. Furthermore, HRC recommended widening Tienken Road from two to five lanes through the Kings Cove section to accommodate future traffic volumes and provide for an acceptable level of service. Because of the close proximity of the existing Paint Creek Bridge (approximately 124 feet east of the Tienken/Kings Cove intersection), the road widening project will need to begin several hundred feet east of the bridge. The existing Paint Creek Bridge is only two lanes wide and will need to be increased to a minimum three-lane width if a traffic signal or exclusive center turn lane is proposed.

This project design has several unique constraints including the close proximities of the Paint Creek Trailway, intersections of Kings Cove and Oakbrook West to Tienken and the Paint Creek Bridge. The cross streets of Kings Cove and Oakbrook West are not

aligned at the centers and the Road Commission for Oakland County has expressed a concern for trying to eliminate or minimize the existing offset. The existing northwesterly building in the Oakbrook complex, an existing boulevard entrance for Kings Cove and an existing pedestrian bridge south of Tienken at the Paint Creek all add to the project constraints.

Tienken Road is already heavily congested and the limits of this project will not address the remaining two lane widths between Livernois and Rochester. In fact, the addition of a possible traffic signal may add to current delays experienced traveling Tienken between Livernois and Rochester Roads.

A final complication involves the amount initially budgeted for the project and the available monies that Rochester Hills has available through the tri-party program. HRC has suggested a total project budget of \$3.0 million for the roadway improvements. The \$3.0 million total includes items such as the intersection realignment of Kings Cove and Oakbrook, construction of a 5 lane bridge that is striped to 3 used lanes, incorporation of a pathway lane for the south side of the bridge and the traffic signal at Kings Cove.

Rochester Hills will have built up approximately \$1.8 million in tri-party funding balance including the 2004 contribution. If council agrees to carryover and dedicate the monies from the 2003 budget with the proposed 2004 budget, \$2.89 million can be available to the project. Clearly, some direction from council will be needed by staff and HRC to determine the final desired level of improvement for this project.

FISCAL INFORMATION:

The design cost associated with the Tienken Road & Kings Cove Intersection-Traffic Signal & Bridge Study is identified in the CIP. The funds were budgeted in the 2003 annual operating budget. Tri-party funds are proposed to be used to fund this project.

Final design of proposed improvements will be subject to approval by the City Engineer and City Council. Extent of final tri-party funds appropriated to this project shall be discussed and approved by City Council prior to advertising the project for bidding.

Fund Name	Fund Account #	Description	Budget Amount	Cost	Remaining Budget
Major Roads	452.970001	MR-06 Engineering	\$56,430.00 (Design)	\$159,350	- \$102,920
Major Roads	452.970001	MR-06 Construction	\$376,200.00 (Cons)	\$0	\$376,200

Vendor Name and Address:

Hubbell, Roth & Clark, Inc.
2001 Centerpoint Parkway, Suite 109
Pontiac, MI 48341

Reason for Selection:

Hubbell, Roth & Clark is one of four firms currently covered by the existing blanket purchase order for engineering design services. Firms were selected using a Quality Based Selection process review.

Method of Purchase:

Quality Based Selection

RECOMMENDATION:

It is recommended that City Council award a contract for Professional Services between Hubbell, Roth & Clark, Inc. and the City of Rochester Hills for the Tienken Road & Kings Cove Intersection-Traffic Signal & Bridge Study in the amount not-to-exceed \$159,350.00 and authorize the Mayor and Clerk to execute a contract on behalf of the City.

ATTACHMENTS:

HRC engineering services proposal letter dated March 31, 2003 (ltr04.doc)

HRC design budget estimate (des_Budget.xls)

Project Study Area Drawing (fig1.jpg)

Department Authorization: Roger H. Rousse

Reviewed by:

Fiscal: *Jean Farris*

Clerks: *Susan Koliba-Galeczka*

Approved by: *Pat Somerville*

[RESOLUTION](#)

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REQUEST FOR PURCHASE AUTHORIZATION

ITEM:

ITEM: PROFESSIONAL SERVICES FOR TIENKEN ROAD AND KINGS COVE INTERSECTION, TRAFFIC SIGNAL AND BRIDGE

DEPARTMENT: DEPARTMENT OF PUBLIC SERVICE

CONTACT: ROGER ROUSSE/PAUL DAVIS

PROCESS:

QUALIFICATIONS BASED SELECTION

**VENDOR: HUBBELL, ROTH & CLARK, INC.
2001 CENTERPOINT PARKWAY, SUITE 109
PONTIAC, MI 48341**

REASON FOR SELECTION: BEST QUALIFIED

BUDGET

BUDGETED AMOUNT \$56,430

COST: NOT TO EXCEED \$159,350

SOURCE OF FUNDS TO BALANCE: BUDGET AMENDMENT

FUNDS: MAJOR ROADS

ITEM(S): E02-024.970001

**METHOD OF PURCHASE: CONTRACT/BLANKET PURCHASE ORDER
THROUGH 9/17/04**

PRINCIPALS

Gerald F. Knapp
Thomas E. Biehl
Walter H. Alix
George E. Hubbell
Peter T. Roth
Michael D. Waring
Keith D. McCormack
Curt A. Christeson

CHIEF FINANCIAL OFFICER
J. Bruce McFarland

SENIOR ASSOCIATES

Frederick C. Navarre
Gary J. Tressel
Lawrence R. Ancypa
Kenneth A. Melchior
Dennis M. Monsere
Randal L. Ford
David P. Wilcox



HUBBELL, ROTH & CLARK, INC.
CONSULTING ENGINEERS

ASSOCIATES

Timothy H. Sullivan
Thomas G. Maxwell
Nancy M.D. Faught
Jonathan E. Booth
Michael C. MacDonald
Marvin A. Olane
James C. Hanson
Richard F. Beaubien
Margaret Synk Kuhn
William R. Davis
James J. Aiello
Daniel W. Mitchell
Joel E. Bowdan
Jesse B. VanDeCreek
Robert F. DeFrain
Marshall J. Grazioli

March 31, 2003

City of Rochester Hills
1000 Rochester Hills Drive
Rochester Hills, MI 48309

Attention: Mr. Paul Davis, P.E.

Re: Proposal to Provide Engineering Services
Tienken Road & Kings Cove Intersection Improvements

HRC Job No. 20020367.07

Dear Mr. Davis:

Thank you for considering HRC to provide engineering services on the subject project. The scope of work is based on the 1999 Tienken Road Corridor Study, the 2002 Tienken Road & Kings Cove Intersection Study and our previous conversations. The following summarizes our understanding of the project:

- The 1999 Study identified three lanes in the area of the Kings Cove and Tienken Road intersection. However, the 2002 Study recommended that the Paint Creek Bridge accommodate five (5) vehicular lanes and a non-motorized walkway on the southern side.
- The 2002 Study identified the need for a traffic signal at the Kings Cove and Tienken Road intersection based on Warrant 2, Warrant 9 and Warrant 11. The installation of the traffic signal was recommended to occur following the Paint Creek Bridge improvements in order to not worsen existing congestion and delay on Tienken Road.
- The 2002 Study recommended a push button type pedestrian signal be provided at the Kings Cove and Tienken Road intersection in order to accommodate the relocation of the Paint Creek Trail crossing.
- Recent correspondence by the Road Commission of Oakland County (RCOC) indicates that there is a concern with the alignment of the side streets at the Kings Cove and Tienken Road intersection. The offset between Kings Cove to the north and Oakbrook to the south may result in an interlock of left-turn traffic.
- RCOC is interested in evaluating carbon fiber technology for the Paint Creek Bridge.
- RCOC anticipates a fall 2004 date for construction start due to the large number of easements that will be required along Tienken Road.

Based on this information, the following details our proposed engineering services:

- HRC proposes to prepare design documents for the Paint Creek Bridge. The bridge design will accommodate five (5) vehicular lanes and one non-motorized lane walkway on the southern side. A

traffic plan to detour vehicular traffic around the construction area will be included. It is noted that although HRC will discuss the use of carbon fiber technology with RCOC, the scope of this proposal is based on a more conventional design.

- HRC proposes that only three (3) lanes of the five (5) vehicular lane bridge be put into service following construction. This will reduce the transition taper from approximately 1,000 feet to 600 feet and thereby reduce the project cost. The transition taper work would be constructed following the completion of the Paint Creek Bridge.
- HRC proposes to conduct a series of meetings with representatives from the immediately impacted organizations and agencies. These include the Road Commission of Oakland County (RCOC), the Paint Creek Trailways Commission and the Kings Cove Condominium Association.
- HRC proposes to prepare design documents for the realignment and new traffic signal at the intersection of Kings Cove and Tienken Road. This work would be constructed following the completion of the Paint Creek Bridge and in conjunction with the transition road work on Tienken Road. The realignment and new traffic signal at the intersection of Kings Cove and Tienken Road will address the left turn interlock concerns for Oakbrook and Kings Cove side streets. In addition, a push button type pedestrian signal will be provided to accommodate the Paint Creek Trail Crosswalk relocation.

The proposed project area is shown in Figure 1. The preliminary estimated total construction cost of the proposed improvements is \$2.3 million. This is based on a \$1.5 million bridge cost (conventional deck construction), a \$0.3 million transition taper cost (600 feet) and a \$0.5 million intersection cost (realigned intersection with lighting and provisions for pedestrian crossing), and stems from past similar projects. However, it is noted that due to the current recession in the construction market, recent bids have been 20%-25% lower than the historical costs. As such, and pending the ultimate bridge design (i.e. possible more or less expensive bridge types), the estimated construction cost could range as low as \$1.75 million, not including easement acquisition. Regardless, it is recommended that a total project cost of \$3.0 million be budgeted, which would include the estimated \$2.3 million construction cost and 30% for engineering, legal, administration and contingencies.

Listed on Table 1 are the various tasks, estimated hours and associated costs to provide our engineering services. As shown, the total engineering cost that will not be exceeded without prior authorization is \$159,350. This cost is to be invoiced on a time basis with a multiplier of 2.9 times direct payroll.

The proposed project schedule is shown in Figure 2. It is estimated that project construction of the bridge will begin in May 2004, with construction of the intersection and the tapering back to the existing 2-lane Tienken Road immediately following.

Should the City concur with this proposal, please provide authorization to proceed by having the mayor sign below. If you have any questions or require any additional information, please contact the undersigned.

Thank you again for considering HRC and we look forward to our continued service to the City of Rochester Hills.

Very truly yours,

Mr. Davis
3/31/03
HRC Job No. 20020367
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HUBBELL, ROTH & CLARK, INC.

Walter H. Alix, P.E., P.S.
Vice President

Daniel W. Mitchell, P.E.
Associate

Accepted:
CITY OF ROCHESTER HILLS

Pat Sommerville.
Mayor
DWM/dm

Beverly Jasinski
Clerk

Enclosure

pc: Rochester Hills; , M. Matich
HRC; G. Tressel, R. Beaubien, File

Resolution A0704-2003-R0000

MOTION by _____, seconded by _____,

Whereas, the Department of Public Service used a quality based selection (QBS) process to determine which Engineering Firm was best suited to provide the Professional Services for the Tienken Road & Kings Cove Intersection-Traffic Signal & Bridge Study.

Whereas, the selection process included quality control for the project, project supervision, sensitivity, knowledge of local conditions and a clearly defined scope of work.

Whereas, that Hubbell, Roth & Clark, Inc. conducted the 1999 Tienken Road Corridor Study in an efficient and timely manner, has developed a professional rapport with the staff and community, and has also completed the Tienken Road and Kings Cove Traffic Study dated December 2002.

Resolved that City Council award a contract for Professional Services between Hubbell, Roth & Clark, Inc. and the City of Rochester Hills for the Tienken Road & Kings Cove Intersection-Traffic Signal & Bridge Study in the amount not-to-exceed \$159,350.00 and authorize the Mayor and Clerk to execute a contract on behalf of the City.

Ayes:
Nays:
Absent:

MOTION CARRIED

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