

**CITY OF NAPERVILLE
CONTRACT AWARD
PROCUREMENT NUMBER 08-111**

Requesting Department: Transportation, Engineering, & Development Business Group
Procurement Name: Phase I Preliminary Engineering Services for North Aurora Road Improvements from Frontenac Road to Weston Ridge Drive
Recommended Vendor: TranSystems Corporation
Amount of Award: \$371,546.86

CIP # SC-033

Budgeted Account 301-4710-431-35.03

Budgeted Amount \$373,000

DESCRIPTION

Preliminary Engineering Study

North Aurora Road between Weston Ridge Drive (west of IL Route 59) and Frontenac Road has an existing three lane cross section. This segment of road is approximately 4,300 feet in length and carries high traffic volumes (24,000 vehicles per day) for its current lane configuration. Immediately adjacent portions of North Aurora Road to the east and west (in Aurora) have five lane cross sections, creating a true bottleneck condition. In addition, there are no sidewalks or bicycle facilities adjacent to the existing roadway. (Note that a preliminary engineering study to widen North Aurora Road from Frontenac Road to Pennsbury Lane (in Aurora) is already underway as part of the proposed EJ&E Railroad Underpass Widening project.)

A preliminary engineering study to widen this segment of North Aurora Road to five lanes and provide accommodations for pedestrians/bicycles is proposed. This project has been included in the Comprehensive Road Improvement Plan for many years.

The scope of work includes field survey and data collection, soils investigation, traffic and accident analysis, preliminary highway and pedestrian/bicycle facility design studies, environmental studies, preliminary drainage studies, preferred improvement plan development, public involvement plan, and preparation of a project development report. The work will involve coordination with adjacent neighborhoods and businesses, the Naperville Park District (adjacent property), DuPage County (wetlands), and numerous utility companies.

NOTIFICATIONS AND RESPONSES

Tribune

Web Site

Advertisement Date: November 21, 2007

Notices Sent: 170

Opening Date: December 12, 2007

Planholders: 37

Proposals Received: 12

SELECTION PROCESS

Proposals were received from the following firms:

Bloom Consultants, LLC
Burns and McDonald
Cemcon, Ltd.
Christopher B. Burke Engineering, Ltd.
Ciorba Group, Inc.
Civiltech
Crawford Murphy and Tilly
Earthtech
Engineerign Resources Associates, Inc.
ESI Consultants LTD
Hampton Lenzini and Renwick, Inc.
Hanson Professional Services, Inc.

HW Lochner Inc
McDonough Associates
Patrick Engineering Inc.
Ruettiger Tonelli & Associates, Inc.
Shive-Hattery
Stanley Consulants Inc
STS
TranSystems
TY Lin International
URS Corporation
V3 Consultants

A Consultant Selection Committee consisting of staff from TED and Naperville Township Road District reviewed and scored the proposals, based on the criteria/weights stated in the RFP document:

- Experience with Phase I studies of arterial roadways and IDOT design standards (40%)
- Experience with stormwater and wetland permitting through DuPage County (15%)
- Experience with coordination with IDOT, FHWA, local agencies, and private utilities (20%)
- Qualifications of the Project Team, ability to meet the project schedule, and completeness of the proposal (25%)

To maintain the potential to use federal funding for later stages of the project, federal Quality Based Selection procedures were followed, which mandate that after the final scoring is completed, pricing is negotiated with the top-ranked firm. The five firms with the highest average proposal scores were short-listed and invited to an interview with the Consultant Selection Committee. Following the interviews, the consultants were again scored, based on the same criteria stated before. The ranking of the five is shown in the table below:

NAME OF CONSULTANT	Average Score	Rank
TranSystems	96.4%	5
Earthtech	89.2%	4
V3 Consultants	87.8%	3
Christopher B. Burke Engineering, Ltd.	82.0%	2
Burns and McDonald	80.0%	1

City staff met with representatives of the highest-ranking firm, TranSystems Corporation, in order to more fully discuss the project requirements, the scope of services, and to seek detailed hours and costs to perform the engineering services. Naperville Township staff reviewed this information. Negotiations on the scope of services, man-hours and costs took place between February and March 2008. The consultant's original cost proposal for the construction engineering services contract was \$403,394.15. Through negotiation the cost of the contract was reduced by \$31,847.29 or 7.9%. City of Naperville and Naperville Township Road District staff have reviewed the consultant's proposal and find that the hours and cost are appropriate for the required scope of work.

Staff recommends that this project be funded by the FY07/08 CIP to initiate the preliminary engineering phase of the project in the amount of \$371,546.86. The Naperville Township Road District has verbally agreed to fund 20.2% of the cost (\$75,052.47). This represents the Township's proportionate share of the total length of North Aurora Road under its jurisdiction (870 feet between Country Glen Drive and Enterprise Court of the estimated total project length of 4,300 feet). An intergovernmental agreement with the Naperville Township Road District is included with this recommendation. Work on this project will not commence until the intergovernmental agreement is fully executed.

In order to proceed with this project, the City needs to select a consultant for the preliminary engineering services, enter into written agreement with the Naperville Township Road District, and adopt an associated resolution appropriating local funding of the project. The attached information relates to the award of an engineering contract, the adoption of a resolution appropriating local funds and the execution of an intergovernmental agreement with the Naperville Township Road District. The City's legal staff has reviewed and pre-approved the enclosed Intergovernmental Agreement, and Resolution.

TranSystems Corporation possesses the professional skill to perform the engineering of the roadway and drainage elements of this project. They have successfully performed this kind of work on numerous projects using the same team of engineers that they have proposed. Most recently, TranSystems successfully completed the construction of improvements to Diehl Road between County Club Boulevard and Eola Road. The negotiation process has served to match the hours and costs with the detailed scope of the proposed services.



Naperville

CITY COUNCIL AGENDA ITEM

SUBJECT: Second Amendment to the Intergovernmental Agreement for North Aurora Underpass Improvements and Award of Procurement 16-135 for Design Engineering Services

TYPE OF VOTE: Simple Majority

ACTION REQUESTED:

- A. Adopt a resolution approving the Second Amendment to the Intergovernmental Agreement between the City of Naperville, the City of Aurora and the Naperville Township Road District for design engineering for the North Aurora Road underpass improvements.
 - B. Approve the Award of Procurement 16-135 for Design Engineering Services for the North Aurora Road Underpass, to TranSystems Corporation for an amount not to exceed \$1,966,526.35.
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BOARD/COMMISSION REVIEW:

N/A

COUNCIL ACTION PREVIOUSLY TAKEN:

Date	Item No.	Action
4/18/2006	H.10b	Approved the Intergovernmental Agreement between the City of Naperville, the City of Aurora and the Naperville Township Road District for design engineering for the North Aurora Road underpass improvements.
4/18/2006	H.10a	Approved RFP 06-107, Preliminary Engineering Services for the North Aurora Road underpass, to TranSystems Corporation

DEPARTMENT: Transportation Engineering and Development (TED) Business Group
Finance Department

SUBMITTED BY: William Novack, TED Director
Rachel Mayer, Finance Director

BACKGROUND:

On March 1, 2005, the Naperville Council adopted Resolution 05-09 to support the initiation of engineering to replace and widen the existing underpass at the EJ&E railroad (currently the Canadian National Railroad). The City of Aurora and Naperville Township passed similar resolutions in Spring 2005. All three agencies have jurisdiction of a portion of North Aurora Road between Frontenac Road and Eola Road. The City of Naperville maintains jurisdiction of North Aurora Road east of the railroad.

In November 2005, the City of Naperville, the City of Aurora and Naperville Township staff initiated a consultant selection process to select the engineering firm most qualified to conduct an engineering study of North Aurora Road and EJ&E crossing, RFQ 06-107. Eighteen consultants submitted proposals for consideration with five short-listed and interviewed. As a result, TranSystems Corporation was selected as the most qualified consultant.

From 2006 through 2012, TranSystems completed the preliminary engineering phase of the project. During this time, there was significant coordination with local residents, the Illinois Commerce Commission (ICC) and the railroad (which changed ownership during this period) to ensure the best design. The ICC and railroad are also very interested in upgrading the crossing to improve rail transportation and committed to financial participation in the project.

In 2015, TranSystems was hired to assist in the land acquisition process. Acquisition of additional right-of-way and construction easements is currently ongoing. Initial offers to the property owners are expected to be made soon after the new year.

DISCUSSION:

TranSystems Corporation performed well as the City's engineering consultant for Preliminary Engineering of the project. They developed a long history of coordination with the railroad and other agencies to ensure the best possible project outcome. TranSystems proposed to maintain the same Project Manager that has been involved in this project from the start. Staff recommends TranSystems Corporation provide Design Engineering services for the project as well. The project partners, City of Aurora and Naperville Township, have reviewed the engineering proposal and concur with this recommendation.

The City of Aurora and Naperville Township indicated their support for this next phase and are currently in the process of approving the Second Amendment to the Intergovernmental Agreement to formalize details of their participation. Staff expects to finalize the agreement soon.

FISCAL IMPACT:

CIP#: BR005

BR005 – North Aurora Road Underpass at the CN Railroad

The project is designed to create a wider roadway beneath the existing CN Railroad bridge on North Aurora Road. The railroad bridge will be widened, allowing the road to expand into a four lane cross-section with bicycle and pedestrian facilities. The project is a joint venture with the City of Aurora and Naperville Township, with Federal and Illinois Commerce Commission (ICC) participation anticipated for construction. Total cost for constructing the underpass is \$32 million.

As part of an IGA with the City of Aurora and Naperville Township, the City of Naperville is responsible for one-third of the total cost of engineering. The City of Aurora and Naperville Township will fund the balance.

Engineering Services related to BR005 are expensed to the two Capital Improvement Program accounts listed below. A total of \$1,741,000 has been budgeted to Capital Projects Fund in CY2016. An additional \$1,154,000 is budgeted to the GO Bond Fund in CY2016. The overall project budget for CY2016 is \$2.9 million. The requested award of \$1,966,526.35 is within the budgeted amount for this project.

Account Number	Fund Description	Total Budget Amount
301-4710-431.70-89	Capital Projects Fund	\$7,226,000
332-4710-431.70-89	G.O. Bond Funds	\$3,937,000

RECOMMENDATION:

- A. Adopt a resolution approving the Second Amendment to the Intergovernmental Agreement between the City of Naperville, the City of Aurora and the Naperville Township Road District for design engineering for the North Aurora Road underpass improvements.
- B. Approve the Award of Procurement 16-135 for Design Engineering Services for the North Aurora Road Underpass, to TranSystems Corporation for an amount not to exceed \$1,966,526.35.

ATTACHMENTS:

- 1. Resolution
- 2. Second Amendment to the Intergovernmental Agreement for North Aurora Underpass Improvement
- 3. CIP Page - BR005