



CITY of NOVI CITY COUNCIL

**Agenda Item D
August 24, 2009**

SUBJECT: Approval of an engineering contract amendment to URS Michigan, Inc. to provide additional construction engineering services for the 2008 Neighborhood Road Program for the reconstruction of discrete segments of Fordway Drive, Midway Drive and Cranbrooke Drive in the amount of \$14,000.

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division *RT*

CITY MANAGER APPROVAL: *[Signature]*

EXPENDITURE REQUIRED	\$ 14,000
AMOUNT BUDGETED	\$ 200,000
APPROPRIATION REQUIRED	N/A
LINE ITEM NUMBER	203-203.00-805.428

BACKGROUND INFORMATION:

The City's consulting engineer for the 2008 Neighborhood Roads Program, URS, administered the construction contract for the project. There were three discrete segments that were added to the program as emergency repairs this past spring: Fordway and Midway in Dunbarton Pines, and a segment of Cranbrooke adjacent to the bridge over Ingersol Creek in Fairfield Farms subdivision. Fordway and Midway were added to the contract when it was discovered that subgrade erosion had caused sections of pavement to be undermined and nearly failed (see demolition photos attached). A segment of Cranbrooke was reconstructed when it became difficult to maintain a serviceable condition (see pre-construction photos attached).

URS performed the construction phase services (contract administration and inspection) for these additional segments at a total cost of \$14,000 (see attached proposal from URS dated August 10, 2009). The construction contractor, Hard Rock Concrete, successfully completed this work in June at a cost of \$120,178.84 (final payment to Hard Rock was approved at the August 10th City Council meeting).

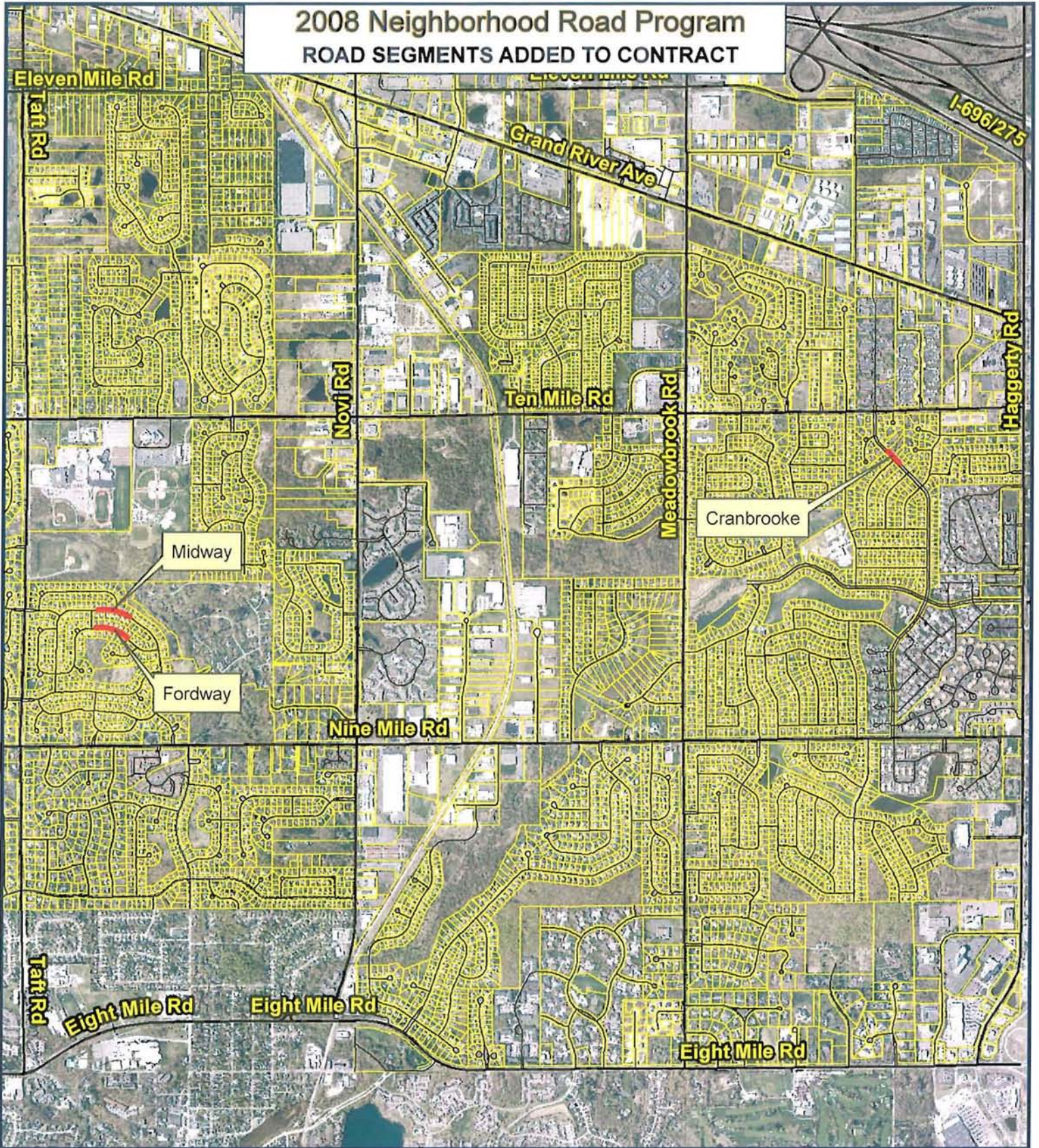
RECOMMENDED ACTION: Approval of an engineering contract amendment to URS Michigan, Inc. to provide additional construction engineering services for the 2008 Neighborhood Road Program for the reconstruction of discrete segments of Fordway Drive, Midway Drive and Cranbrooke Drive in the amount of \$14,000.

	1	2	Y	N
Mayor Landry				
Mayor Pro Tem Gatt				
Council Member Burke				
Council Member Crawford				

	1	2	Y	N
Council Member Margolis				
Council Member Mutch				
Council Member Staudt				

2008 Neighborhood Road Program

ROAD SEGMENTS ADDED TO CONTRACT



Map Author: Ben Croy
 Date: 8/17/09
 Project: 2008 NRP
 Version #: v1.0

Amended By:
 Date:
 Department:

MAP INTERPRETATION NOTICE

Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 132 of 1976 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.



City of Novi
 Department Division
 Department Name
 45175 W Ten Mile Rd
 Novi, MI 48375
 cityofnovi.org

0 325 650 1,300 1,950 2,600
 Feet



1 inch = 2,100 feet



August 10, 2009

Mr. Brian T. Coburn
City of Novi
45175 W. Ten Mile Road
Novi, MI 48375-3024

**Reference: Proposal for Additional Engineering Services for
2008 Neighborhood Road Program**

Dear Brian:

As previously discussed Aaron Staup, we are submitting this letter proposal for additional construction engineering, administration and inspection services for the 2008 Neighborhood Roads Project. These services include the following:

- **Cranbrooke Road, Fordway Road, and Midway Road Emergency Repairs.** Due to the rapidly deteriorating condition of Cranbrooke, Fordway and Midway Roads, the City of Novi requested URS to issue a change order to the 2008 Neighborhood Road Program implementing emergency repairs to the above mentioned roadways. The City requested that URS provide construction engineering, administration and inspection for the emergency repairs. The cost associated with these services is estimated at **\$14,000**.

This brings the total additional fee to **\$184,811**.

If you have any questions or comments, please feel free to call.

Sincerely,

URS Corporation

Khaled Soubra, Ph.D., PE
Vice President – Operations

Sean N. Kelsch, PE
Project Manager

SNK/mm

MIDWAY AND FORDWAY IN DUNBARTON PINES

The photos below were taken after demolition of the pavement was underway, but shows that the subgrade had eroded and there was no support under parts of the existing pavement. These segments were added to the 2008 program after cracking and subsidence of the pavement occurred indicating a subgrade problem.





Northbound Cranbrooke Drive at Valley Starr (Pre-Construction)



EXHIBIT A
FEE PROPOSAL
CITY OF NOVI

ENGINEERING SERVICES FOR
2008 NEIGHBORHOOD ROAD PROGRAM

We the undersigned propose to furnish to the City of Novi services consistent with the Request for Qualifications dated January 11, 2007 and Request for Proposals dated February 19, 2008, respectively. Design fees will be paid on an hourly basis for actual work performed to a maximum as proposed. A separate fee schedule is being provided should the City request additional work on an hourly basis.

Project	Phase	Total Fee
2008 NEIGHBORHOOD ROAD PROGRAM	Study and Recommendation Phase (not-to-exceed fee—soil borings EXCLUDED**)	\$ 10,358.00
	Design Phase (not-to-exceed fee)	\$ 45,513.00
	Construction Phase Construction Cost Estimate: \$ 1,400,000	
	8.21 % of Construction Cost (from estimate above)	\$ 114,940.00
	TOTAL ESTIMATED* FEE	\$ 170,811.00

*Total Estimated Fee consists of a not-to-exceed design phase fee (which includes geotechnical costs if applicable) and a fixed percentage construction phase fee which is used to estimate an approximate fee amount based on the cost estimate above. The actual construction phase fee will be established when the project is awarded to a contractor by multiplying the fixed percentage provided and the bid price of the successful bidder.

**The City will contract directly with a geotechnical consultant in coordination with the selected consultant.

PLEASE TYPE:

Company Name: URS Corporation Great Lakes

Address: 27777 Franklin Road, Suite 2000, Southfield, MI 48034

Agent's Name: Khaled S. Soubra, PhD, PE

Agent's Title: Vice President / Operations Manager

Agent's Signature: 

Telephone Number: 248-204-5900 Fax Number: 248-204-5901

E-mail Address: khaled_soubra@urscorp.com Date: March 5, 2008