



CITY of NOVI CITY COUNCIL

Agenda Item 5
July 23, 2012

SUBJECT: Approval to award a construction contract for the Garfield Road Water Main Extension project (Contract A) to Bidigare Contractors, the low bidder, in the amount of \$536,908.

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

CITY MANAGER APPROVAL: *[Signature]*

EXPENDITURE REQUIRED	\$ 536,907.50
AMOUNT INCLUDED IN CIP	\$ 675,244.00
LINE ITEM NUMBER	592-592.00-160.622

BACKGROUND INFORMATION:

This project includes the construction of approximately 3,600 LF of 12-inch water main along Garfield Road from Nine Mile to future Chianti Drive. This project, in conjunction with water main construction as part of the second phase of Tuscany Reserve, provides essential water main looping required for enhancing system reliability in Sections 29 and 32, and was recommended by the 2008 Water Distribution Study and Master Plan. As shown on the attached location map, the existing water mains serving Nine Mile Road and the developments along Eight Mile Road near Beck Road are long dead-end mains that are not looped. Water main loops provide redundancy in the event of service interruption and additional flow to maintain pressures in a service area. This water main loop will alleviate pressure concerns in this area, which in the past have decreased below the recommended 40 psi during peak demand periods. The project will also provide the necessary redundancy to maintain service to customers in the event of a water main failure in this part of the system by back-feeding affected areas.

The water main for the entire Tuscany Reserve development was designed and approved in 2006, but was later split into two phases, and only Phase I has been built. Per the agreement approved at the October 4, 2011 City Council meeting regarding the extension of water main through Phase II of Tuscany Reserve, the City has the option to construct this portion of the water main in the event the developer is not ready to complete the extension independently at the time the City's project is under way. The agreement would require the developer to pay the actual cost for the water main construction in Phase II. To prepare for the potential addition of the Tuscany work to the Garfield Road extension (Contract A), bids were also solicited for the Tuscany portion (Contract B). Although it is not being recommended for award at this time, Contract B work could be added to the project in the future, if needed.

A public information meeting was held on May 17, 2012 to allow residents in the area an opportunity to discuss the project. Four residents attended the meeting, and all were in favor of the project.

Seven bids were received and opened on July 11, 2012 following a public bid solicitation period. The lowest bidder is Bidigare Contractors. Bidigare's bid is recommended as being in the best interest of the City as it is responsive (i.e., Bidigare has complied with all requirements of the bidding instructions) and it is the lowest price for Contract A. (URS's

award recommendation letter including the bid tabulation dated July 13, 2012 is attached.) A summary of the seven bids is as follows:

Contractor	Bid Price Contract A (including Crew Days)*
Bidigare Contractors	\$559,662.50
Bricco Excavation	\$562,722.00
Lawrence M Clarke	\$563,575.00
DVM Utilities	\$593,376.10
Verdeterre Construction	\$624,023.25
Sole Construction	\$627,771.00
Rohde Brothers	\$633,868.00

*Crew Days are included to compare bids, but are not included in the award.

This project was included in the FY2012-13 Capital Improvement Program (CIP) in the budgeted amount of \$634,300 for construction and \$40,944 for engineering (total project budget of \$675,244), of which \$40,944 was awarded for design engineering, \$536,907.50 is now being recommended for award to Bidigare for construction, and \$54,969.45 is also recommended for award to URS for construction engineering services (a separate item on this agenda) for total contract awards in the amount of \$632,820.95.

Construction engineering services work for this project is being recommended for award to URS as a separate item on this agenda. Construction is scheduled to begin in summer 2012 and completion is anticipated by fall 2012.

RECOMMENDED ACTION: Approval to award a construction contract for the Garfield Road Water Main Extension project (Contract A) to Bidigare Contractors, the low bidder, in the amount of \$536,908.

	1	2	Y	N
Mayor Gatt				
Mayor Pro Tem Staudt				
Council Member Casey				
Council Member Fischer				

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

July 13, 2012

Mr. Ben Croy P.E.
Department of Public Services
Field Services Complex
26300 Lee BeGole Drive
Novi, MI 48375

**RE: Letter of Recommendation
Garfield Road Water Main**

Dear Mr. Ben Croy:

URS Corporation has reviewed the bids received by your office on July 11, 2012 for the above referenced project. A total of 7 bids were received, ranging from \$559,662.50 to \$633,868.00 (including the crew day inspection allowance). The apparent low bidder was Bidigari Contractors of Northville, MI. No informalities were identified in the bids received. A Bid Tabulation is attached.

As part of the bid review, URS contacted current and past clients of Bidigari Contractors. The references contacted provided positive statements and satisfaction with the work Bidigari Contractors has performed. URS also conducted a conference call with Bidigari Contractors, reviewing their experience with similar projects and comfort level with the bid.

Based on our review of the bids, we recommend that the Contract be awarded to Bidigari Contractors, in the amount of \$536,907.50 (The Bid price of \$559,662.50, less \$22,755.00 in Crew days).

If you should have any questions regarding this matter, please contact me.

Sincerely,

URS CORPORATION



Navid H. Mehram, P.E.
Senior Project Engineer

Enclosures

cc: Terry L. Woodward, URS
Jan Hauser, URS

BID TABULATION

Novi Garfield Road Water Main

Bid Opening: DATE, 7/11/2012 @ 2:00
Location: City of Novi, Office of the City Clerk

				Engineer Estimate		Bidigare Contractors		Lawrence M. Clarke, Inc.		Bricco Excavating Company	
						7820 Chubb Road Northville, MI 48168 258-735-1113		50850 Bemis Road Belleville, MI 48111 734-481-1565		21201 Meyers Road Oak Park, MI 48237-3201 248-547-6963	
				0		1		2		3	
Attended Pre-Bid Meeting				N/A		N/A		N/A		N/A	
Acknowledgement of Addenda (1)				N/A		YES		YES		YES	
Bid Bond (5%)				N/A		YES		YES		YES	
Bidder's Qualification Form				N/A		YES		YES		YES	
Affidavit of Non-Collusion											
List of Unit Prices				Unit Price		Bid Price		Unit Price		Bid Price	
Contract A											
Mobilization	LS	1.00	\$ 18,900.00	\$ 18,900.00	\$ 15,000.00	\$ 15,000.00	\$ 20,000.00	\$ 20,000.00	\$ 49,000.00	\$ 49,000.00	
Pre-construction Video	LS	1.00	\$ 2,500.00	\$ 2,500.00	\$ 2,000.00	\$ 2,000.00	\$ 4,000.00	\$ 4,000.00	\$ 6,000.00	\$ 6,000.00	
Soil Erosion	LS	1.00	\$ 5,200.00	\$ 5,200.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 4,000.00	\$ 4,000.00	
Gate Valve and Well 12"	EA	5.00	\$ 6,150.00	\$ 30,750.00	\$ 5,500.00	\$ 27,500.00	\$ 3,900.00	\$ 19,500.00	\$ 3,800.00	\$ 19,000.00	
12" Water Main (Open Cut)	LF	120.00	\$ 114.78	\$ 13,774.00	\$ 105.00	\$ 12,600.00	\$ 140.00	\$ 16,800.00	\$ 90.00	\$ 10,800.00	
12" Water Main (Horizontal Directional Drill)	LF	3,479.00	\$ 97.50	\$ 339,210.45	\$ 120.00	\$ 417,480.00	\$ 125.00	\$ 434,875.00	\$ 109.00	\$ 379,211.00	
6" Water Main	LF	121.00	\$ 27.00	\$ 3,267.00	\$ 76.50	\$ 9,256.50	\$ 60.00	\$ 7,260.00	\$ 80.00	\$ 9,680.00	
6" Hydrant Assembly	EA	8.00	\$ 6,750.00	\$ 54,000.00	\$ 4,250.00	\$ 34,000.00	\$ 3,700.00	\$ 29,600.00	\$ 4,500.00	\$ 36,000.00	
Culvert ES 18"	EA	1.00	\$ 3,000.00	\$ 3,000.00	\$ 300.00	\$ 300.00	\$ 250.00	\$ 250.00	\$ 75.00	\$ 75.00	
Culvert Pipe 18"	LF	35.00	\$ 120.86	\$ 4,230.00	\$ 50.00	\$ 1,750.00	\$ 50.00	\$ 1,750.00	\$ 65.00	\$ 2,275.00	
Gravel Removal	CY	7.00	\$ 200.00	\$ 1,400.00	\$ 20.00	\$ 140.00	\$ 20.00	\$ 140.00	\$ 15.00	\$ 105.00	
Asphalt Pavement	SY	24.00	\$ 104.17	\$ 2,500.00	\$ 70.00	\$ 1,680.00	\$ 50.00	\$ 1,200.00	\$ 30.00	\$ 720.00	
Connection to Existing	LS	1.00	\$ 4,000.00	\$ 4,000.00	\$ 2,500.00	\$ 2,500.00	\$ 4,000.00	\$ 4,000.00	\$ 6,000.00	\$ 6,000.00	
Dewatering	LS	1.00	\$ 7,500.00	\$ 7,500.00	\$ 1.00	\$ 1.00	\$ 500.00	\$ 500.00	\$ 1.00	\$ 1.00	
Seeding and Mulching	LS	1.00	\$ 5,200.00	\$ 5,200.00	\$ 5,000.00	\$ 5,000.00	\$ 6,000.00	\$ 6,000.00	\$ 20,000.00	\$ 20,000.00	
Traffic Control	LS	1.00	\$ 4,000.00	\$ 4,000.00	\$ 5,000.00	\$ 5,000.00	\$ 2,000.00	\$ 2,000.00	\$ 8,000.00	\$ 8,000.00	
Tree Protection	EA	14.00	\$ 142.86	\$ 2,000.00	\$ 50.00	\$ 700.00	\$ 100.00	\$ 1,400.00	\$ 100.00	\$ 1,400.00	
			Total=	\$ 501,431.45	Total=	\$ 536,907.50	Total=	\$ 551,275.00	Total=	\$ 552,267.00	
Crew Days	PER DAY	\$615	40.00	\$ 24,600.00	37.00	\$ 22,755.00	20.00	\$ 12,300.00	17.00	\$ 10,455.00	
Contract A				\$ 526,031.45	\$ 559,662.50	\$ 563,575.00	\$ 562,722.00				
Inspections Reduction				\$ 24,600.00	\$ 22,755.00	\$ 12,300.00	\$ 10,455.00				
Garfield Road Watermain				\$ 501,431.45	\$ 536,907.50	\$ 551,275.00	\$ 552,267.00				

Garfield Road Water Main Extension

Location Map



Map Author: Croy
 Date: 7/16/12
 Project: Garfield WM
 Version #: v2.0



City of Novi
 Engineering Division
 Department of Public Services
 26300 Delwal Drive
 Novi, MI 48375
 cityofnovi.org

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 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.

Map Legend

water_mains	
8	
12	
16	



1 inch = 850 feet