



CITY of NOVI CITY COUNCIL

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**Agenda Item 2
May 14, 2007**

SUBJECT Approval to award a construction contract for the Meadowbrook Lake Streambank Stabilization Project to Restoration Dredging, Inc., the lowest qualified bidder, in the amount of \$113,379.

SUBMITTING DEPARTMENT: Engineering *RP*

CITY MANAGER APPROVAL:

EXPENDITURE REQUIRED	\$113,379
AMOUNT BUDGETED	\$55,000
APPROPRIATION REQUIRED	\$58,379
LINE ITEM NUMBER	210-211.00-865.130

BACKGROUND INFORMATION:

Anderson, Eckstein & Westrick (AEW) was retained in 2004 to provide design and construction engineering services for two dredging projects: Meadowbrook Lake (completed in 2005) and Village Oaks Lake (completed in 2006). Because of ongoing streambank erosion issues upstream and downstream of Meadowbrook Lake, AEW was awarded an additional scope of work in late February 2005 to provide limited design and construction phase engineering services for streambank stabilization at discrete locations along the Middle Branch of the Rouge River. The streambank stabilization work to be done under this contract along the Middle Rouge was recommended by the Streambank Stabilization Report (June 2005) and the Storm Water Master Plan – Phase I (February 2005).

Based on AEW’s design, streambank stabilization work will take place at the following locations:

Base Bid

- East bank of Middle Rouge north of Chattman Drive: repair area of major streambank erosion and scour (Location 1 of Area 2 on the attached map).
- West bank of Middle Rouge south of Meadowbrook Lake dam: repair area of major streambank erosion and stabilize concrete channel and sanitary manhole structure (Location 4 of Area 1 on the attached map).
- Double barrel culvert beneath Nine Mile Road: armor the concrete apron to prevent further erosion of adjacent banks (Location 5 of Area 1 on the attached map).
- Stream bed of Middle Rouge south of Meadowbrook Lake dam: install a series of riffles to enhance water quality and habitat (Locations 6, 7 and 8 of Area 1 on the attached map).

Alternate Bid Item

- Banks of Middle Rouge from south of Meadowbrook Lake dam to Nine Mile Road: cut back undercut banks, install heavy rip rap and vegetation along banks to prevent further erosion and to restore meandering channel (Locations 6, 7, and 8 of Area 1 on the attached map).

This environmental stewardship project is aligned with Council’s goal of Novi being a community that values natural areas and natural features. Each of the improvements noted above will help to reduce ongoing streambank erosion and downstream sedimentation. The installation of riffles downstream of Meadowbrook Lake dam will improve water quality and habitat by increasing dissolved oxygen (via aeration) in this reach of the Middle Rouge River.

An amount of \$55,000 was originally budgeted for the base bid work listed above. We recommend that the Alternate Bid Item also be awarded at this time because it would significantly decrease the amount of bank erosion that is occurring along the Middle Rouge River downstream of Meadowbrook Lake. Additionally, unlike most other streambanks in Novi, the City has access and can therefore legally do the work unimpeded in this portion of the Middle Rouge River. According to the City's Finance Director, there are sufficient funds in the Drain Revenue Fund to accommodate the cost of the Alternate Bid Item.

Five bids were received and opened on May 2, 2007 following a public bid solicitation period. AEW evaluated the bids and noted two issues:

1. The bid from Bidigare Contractors was missing a unit cost for one of the items on the bid form and was Bidigare's bid was therefore determined to be incomplete and non-responsive.
2. The bid from Restoration Dredging, Inc. contained an irregularity regarding the number of crew days that were bid. The irregularity can be partially attributed to a cell on the bid form that incorrectly contained a dollar sign where the contractor was required to bid the number of crew days that it would take to complete the project. Because of the minor nature of this irregularity, it is not grounds for disqualification (Secrest-Wardle letter dated May 7, 2007, attached).

The lowest responsive bid for the project was submitted by Restoration Dredging, Inc. of Bloomfield Hills, MI in the amount of \$113,379.00. The City Attorney and staff are comfortable in understanding the intent of the bidder and recommend that City Council waive the irregularity and award the contract to Restoration Dredging.

A summary of bids is as follows:

Contractor	Base Bid	Alternate	Total
Restoration Dredging	\$ 63,792.00	\$ 49,587.00	\$ 113,379.00
Bidigare Contractors*	--	--	--
Summit Transport, Inc.	\$ 82,529.00	\$ 48,736.00	\$ 131,265.00
Warren Contractors	\$ 94,951.00	\$ 55,128.00	\$ 150,079.00
Technical Service Professionals	\$ 119,990.00	\$ 79,340.00	\$ 199,330.00

*Incomplete/non-responsive bid

Restoration Dredging successfully completed the hydraulic dredging of Village Oaks Lake in 2006. Construction is anticipated to begin in late May 2007 and be completed in late summer.

RECOMMENDED ACTION: Approval to award a construction contract for the Meadowbrook Lake Streambank Stabilization Project to Restoration Dredging, Inc., the lowest qualified bidder, in the amount of \$113,379.

	1	2	Y	N
Mayor Landry				
Mayor Pro Tem Capello				
Council Member Gatt				
Council Member Margolis				

	1	2	Y	N
Council Member Mutch				
Council Member Nagy				
Council Member Paul				



May 7, 2007

30903 Northwestern Highway
P.O. Box 3040
Farmington Hills, MI 48333-3040
Tel: 248-851-9500
Fax: 248-851-2158
www.secretwardle.com

THOMAS R. SCHULTZ
Direct: 248-539-2847
tschultz@secretwardle.com

Brian Coburn, Staff Engineer
City of Novi
45175 West Ten Mile Road
Novi, MI 48375

Re: ***Bid Irregularity/Meadowbrook Lake Streambank Stabilization***
Our File No. 55142 NOV

Dear Mr. Coburn:

You have asked us to confirm in writing that the City Council has the authority to waive the irregularity contained in the bid submitted by Restoration Dredging for the above-referenced project. The irregularity is with regard to the number of days for the base bid work and the alternate work. The bid form had a dollar sign (“\$”) in the box relating to the number of days, and the bid was therefore expressed in dollars and not days. Restoration has explained its intent in writing that the number of days equals 12.25 and 14 respectively.

As we discussed, both the bid documents and the City’s ordinances and purchasing policy reserve the right to the City to award a contract to any bidder and to waive irregularities in the bid process. Here, the form was at least somewhat misleading, the bidder is the low bidder from a cost standpoint, and the number of days (as explained by subsequent correspondence) is acceptable to the City staff. Under the circumstances, we see no legal impediment to the grant of the contract to Restoration Dredging for this project.

I trust this responds to your inquiry. If you have any questions regarding the above, please do not hesitate to call.

Very truly yours,



Thomas R. Schultz

TRS:jes
cc: Clay Pearson, City Manager
Maryanne Cornelius, City Clerk
Rob Hayes, City Engineer
Carol Kalinovik, Purchasing Director.

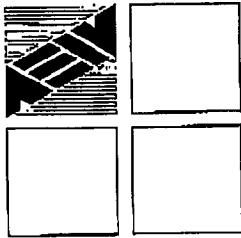
933258



**ANDERSON, ECKSTEIN
AND WESTRICK, INC.**
Civil Engineers • Surveyors • Architects
51301 Schoenherr Road, Shelby Township, Michigan 48315
Phone 586•726•1234 Fax 586•726•8780

PROJECT
**Exhibit A
Streambank
Stabilization
Report**

DATE	JUN 2005	PROJECT NO.	822-005
DRAWN BY	JHB	SHEET No.	1
CHECKED BY	MAM		



ANDERSON, ECKSTEIN AND WESTRICK, INC.

51301 Schoenherr Road, Shelby Township, Michigan 48315
Civil Engineers • Surveyors • Architects 586-726-1234

May 7, 2007

Robert F. Hayes, PE, City Engineer
City of Novi
Engineering Department
45175 W. Ten Mile Road
City of Novi, Michigan 48375-3024

Reference: Recommendation for Award of Contract
Meadowbrook Lake Streambank Stabilization
AEW Project No. 822-005

Dear Mr. Hayes:

Following public advertising and bid solicitation, we publicly opened five bids for the Meadowbrook Lake Streambank Stabilization Project at the City of Novi Offices on May 2, 2007. One bidder was non responsive and incomplete, therefore the bid was not considered for the project. The lowest bid received was submitted by Restoration Dredging, Inc., with a base bid of \$63,792.00 and an alternate bid of \$49,587.00 which totals \$113,379.00.

Based on past experience of similar work performed by Restoration Dredging, Inc., we believe that they are capable of adequately performing the work for the project. We recommend that the contract for the Meadowbrook Lake Streambank Stabilization Project be awarded to Restoration Dredging, Inc.

We have attached a copy of the bid tabulation for your use. If you have any questions, please call.

Sincerely,

ANDERSON, ECKSTEIN AND WESTRICK, INC.

Jeffrey H. Bednar, PE, CFM

Enclosure

cc: Clay Pearson, Assistant City Manager
Brian Coburn, PE, Engineering

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Meadowbrook Lake Streambank Stabilization

ANDERSON ECKSTEIN & WESTRICK
51301 SCHOENHERR ROAD
SHELBY TOWNSHIP, MICHIGAN 48315

BID TABULATION

Owner: **City of Novi**
Bid Date: **May 2, 2007**
File: **O:\822\822-005\NSP\BIDTAB.XLS**

Warren Contractors & Dev. Inc.
50656 Central Industrial Dr.
Shelby Twp., MI. 48315
586-323-3350

Summit Transport, Inc.
56711 Grand River Ave.
New Hudson, MI. 48165
248-486-3100

Restoration Dredging, Inc.
837 Foxhall Road
Bloomfield Hills, MI. 48304
248-645-1830

*Corrected by Engineer

NO.	WORK ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1.	Bonds, Insurance & Set-Up Expense (Max. 3%)	1.00	LS	1,900.00	1,900.00	4,000.00	4,000.00
2.	Audio-Visual Record of Construction Site	1.00	LS	1,238.00	1,238.00	2,000.00	2,000.00
3.	1" Thick Crushed Concrete Access Drive	2.00	EA	2,222.00	4,444.00	3,500.00	7,000.00
4.	Construction Fencing	400.00	LF	1.13	452.00	5.00	2,000.00
5.	Stallion Clearing	9.00	STA	675.00	6,075.00	1,700.00	15,300.00
6.	Rip Rap, Heavy	200.00	CY	137.40	27,480.00	185.00	37,000.00
7.	Wetland Scrub/Shrub Plantings	30.00	EA	2.00	60.00	20.00	600.00
8.	Restoration	1.00	LS	14,105.00	14,105.00	7,000.00	7,000.00
9.	Soil Erosion and Sedimentation Control	1.00	LS	786.00	786.00	525.00	525.00
10.	Crew Days	592.00	\$/Day	12.25	7,252.00	12.00	7,104.00
					63,792.00	82,529.00	

BASE BID SUBTOTAL:

ALTERNATE	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1.	Earth Excavation	1,000.00	CY	24.81	24,810.00
2.	Erosion Control Blanket (C125BN)	1,500.00	SY	3.03	4,545.00
3.	Wetland Scrub/Shrub Plantings	60.00	EA	2.00	120.00
4.	Rip Rap, Heavy	80.00	CY	141.00	11,280.00
5.	Wetland Seed Mix	0.10	AC	3,630.00	363.00
6.	Upland Prairie/Grass Slope Stabilization Seed Mix	0.25	AC	724.00	181.00
7.	Crew Days	592.00	\$/Day	14.00	8,288.00
					49,587.00

ALTERNATE SUBTOTAL:

ALTERNATE	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1.	Earth Excavation	1,000.00	CY	25.00	25,000.00
2.	Erosion Control Blanket (C125BN)	1,500.00	SY	2.25	3,375.00
3.	Wetland Scrub/Shrub Plantings	60.00	EA	15.00	900.00
4.	Rip Rap, Heavy	80.00	CY	93.60	7,488.00
5.	Wetland Seed Mix	0.10	AC	3,600.00	360.00
6.	Upland Prairie/Grass Slope Stabilization Seed Mix	0.25	AC	900.00	225.00
7.	Crew Days	592.00	\$/Day	30.00	17,760.00
					55,128.00

Project: Meadowbrook Lake Streambank Stabilization

ANDERSON ECKSTEIN & WESTRICK
51301 SCHOENHERR ROAD
SHELBY TOWNSHIP, MICHIGAN 48315

BID TABULATION

AEW PROJECT NO.
822-005

City of Now
May 2, 2007
C:\B22\822-005\INSP\BIDTAB.XLS

*Contacted by Engineer

Tech. Service Professionals, LLC Bidigare Contractors Inc.
39111 West Six Mile 7820 Citubb Rd.
Livonia, MI. 48152 Northville, MI. 48176
734-779-1659 248-735-1113

NO.	WORK ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	AMOUNT
1.	Bonds, Insurance & Set-Up Expense (Max. 3%)	1.00	LS	3,480.00	3,480.00	0.00
2.	Audio-Visual Record of Construction Site	1.00	LS	1,500.00	1,500.00	0.00
3.	1' Thick Crushed Concrete Access Drive	2.00	EA	250.00	500.00	0.00
4.	Construction Fencing	400.00	LF	2.50	1,000.00	0.00
5.	Station Clearing	9.00	STA	1,250.00	11,250.00	0.00
6.	Rip Rap, Heavy	200.00	CY	365.00	77,000.00	0.00
7.	Wetland Scrub/Shrub Plantings	30.00	EA	50.00	1,500.00	0.00
8.	Restoration	1.00	LS	4,000.00	4,000.00	0.00
9.	Soil Erosion and Sedimentation Control	1.00	LS	2,000.00	2,000.00	0.00
10.	Crew Days	592.00	\$/Day	30.00	17,760.00	0.00
					118,990.00	0.00

BASE BID SUBTOTAL:

Incomplete bid received
Not tabulated

ALTERNATE	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT	AMOUNT
1.	Earth Excavation	1,000.00	CY	22.50	22,500.00	0.00
2.	Erosion Control Blanket (C125BN)	1,500.00	SY	4.00	6,000.00	0.00
3.	Wetland Scrub/Shrub Plantings	60.00	EA	50.00	3,000.00	0.00
4.	Rip Rap, Heavy	80.00	CY	400.00	32,000.00	0.00
5.	Wetland Seed Mix	0.10	AC	20,000.00	2,000.00	0.00
6.	Upland Prairie/Grass Slope Stabilization Seed Mix	0.25	AC	8,000.00	2,000.00	0.00
7.	Crew Days	592.00	\$/Day	20.00	11,840.00	0.00
					79,340.00	0.00

ALTERNATE SUBTOTAL:

RECEIVED BY
ENGINEERING DIVISION

MAY 07 2007

CITY OF NOVI

RESTORATION DREDGING, INC.

837 FOXHALL ROAD • BLOOMFIELD HILLS, MI 48304

TELEPHONE/FACSIMILE • 248-645-1830

Brian Coburn, P.E.
Engineering Division
City of Novi
45175 W. Ten Mile Road
Novi, MI 48375

Dear Brian,

May 3, 2007

I understand our Crew Days entry in both the base bid (Item No. 10) and alternate bid (Item No. 7) for the Meadowbrook Lake Streambank Stabilization project has caused some confusion.

Please let me explain.

The unit price of \$1,036 contemplates Restoration Dredging working a 12-hour day and the inspector driving two hours round trip each day. Therefore, per the specs, those 14 hours would amount to 1.75 crew days for each work day. So, $1.75 \times \$592 = \$1,036$.

We contemplate seven work days to accomplish the base bid project, and eight days for the alternate. Therefore, $7 \times \$1,036 = \$7,252$ (Base Bid, Item No. 10); and $8 \times \$1,036 = \$8,288$ (Alternate Bid, Item No. 7).

Sorry for the confusion, but the bid sheet asked for a unit price, so we put one in.

Please call me with any further questions.

Sincerely,



Bill Walker
Vice President

cc: Jeffrey H. Bednar, P.E., Anderson, Eckstein and Westrick, Inc.
David Cozad, President, Restoration Dredging, Inc.



CITY of NOVI CITY COUNCIL

www.cityofnovi.org

**Agenda Item 3
May 14, 2007**

SUBJECT Consideration of a cost participation agreement with ITC Transmission for extending sanitary sewer for future connection to the Country Cousins Mobile Home Park.

SUBMITTING DEPARTMENT: Engineering Department *RJH*

CITY MANAGER APPROVAL: *[Signature]*

EXPENDITURE REQUIRED	N/A
AMOUNT BUDGETED	N/A
APPROPRIATION REQUIRED	N/A
LINE ITEM NUMBER	N/A

BACKGROUND INFORMATION: ITC Transmission has agreed to partially fund the extension of sanitary sewer to the Country Cousins Mobile Home Park, which is currently operating with an on-site sewage treatment system that has recently had operational problems. Twice in 2004 and once in 2005, Country Cousins reported sanitary sewer overflows (SSOs) to MDEQ because the effluent infiltration lagoons near Haggerty Road flooded during rain events and released partially treated sewage to the surrounding land. Although Country Cousins currently has an MDEQ groundwater discharge permit, MDEQ reported the system to be non-compliant and noted several deficiencies during its most recent bi-annual compliance inspection completed in December 2005 (MDEQ's December 20, 2005 letter, attached). We have yet to receive current compliance status from MDEQ. Because it is unknown how much longer on-site treatment will be feasible (either on a regulatory or technical basis), it would be prudent to extend public sanitary sewer to the Country Cousins MHP now so that it is available for future connection of the park when on-site treatment is no longer an option.

The opportunity to extend sanitary sewer to Country Cousins exists concurrent with ongoing site work at the ITC Headquarters site. ITC has presented four sanitary sewer construction options to the City as possible cost participation alternatives. Two options (A and B) involve partial extension and are coupled with easements from ITC so that the remainder of the sewer could be extended in the future. The two other options (C and D) entail the full extension of sanitary sewer to Country Cousins (see attached figures). Each option presents different cost alternatives for the City to consider, as follows:

Option	Sewer Description	Distance (ft)	ITC's Cost	City's Cost	Total Cost
A	On-site force main	320	\$26,604	\$0	\$26,604
B	On-site force main	580	\$26,604	\$29,965	\$56,569
C	On- and off-site force main to Country Cousins	995	\$26,604	\$63,316	\$89,920
D	On-site gravity, on- and off-site force main to Country Cousins	1600	\$36,734	\$63,316	\$100,050



ITC prefers Option D because this alignment avoids existing and proposed construction on the ITC site. The Water & Sewer Department estimates future tap fees from Country Cousins in the amount