



CITY of NOVI CITY COUNCIL

**Agenda Item 5
May 08, 2017**

SUBJECT: Approval to award a construction contract for the Meadowbrook Culvert Replacement project to Z Contractors, Inc., the low-bidder, in the amount of \$298,031.07, subject to final review and approval of the form and agreement by the City Manager's office and the City Attorney.

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division (GDM)

CITY MANAGER APPROVAL:

EXPENDITURE REQUIRED	\$ 298,031.07
AMOUNT BUDGETED	\$ 547,604.00
LINE ITEM NUMBER	210-211.00-865.027 (Drain Fund)

BACKGROUND INFORMATION:

The Meadowbrook Culvert replacement project involves replacing the culvert underneath Meadowbrook Road, north of Grand River over the Bishop Creek (see attached location map). Orchard, Hiltz & McCliment (OHM) was retained by the Engineering Division for the design and construction engineering services related to this project. The plans were prepared by OHM and bids were accepted between April 10th and April 27th, 2017

A total of 9 bids were received and opened on April 27, 2017 following a public bid solicitation period. The lowest bidder was Z Contractors, Inc. Z Contractors bid is being recommended as being in the best interest of the City as it is responsive (i.e., Z Contractors, Inc. has complied with all requirements of the bidding instructions) and it is the lowest price. (OHM's award recommendation letter including the bid tabulation is attached).

A summary of the bids are as follows:

Contractor	Base Bid (including Crew Days)*
Z Contractors, Inc.	\$ 305,711.07
Springline Excavating, LLC	\$ 329,952.96
Fonson Company, Inc.	\$ 353,305.46
Erie Construction, LLC	\$ 372,215.96
Dan's Excavating	\$ 422,677.86
Anglin Civil	\$ 437,593.22
VIL Construction	\$ 492,105.88
DVM Utilities	\$ 579,766.50
Lawrence M. Clarke	\$ 689,591.00

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

It is anticipated that this project will be substantially complete by the summer of 2017 with final completion and restoration in the fall of 2017.

RECOMMENDED ACTION: Approval to award a construction contract for the Meadowbrook Culvert Replacement project to Z Contractors, Inc., the low-bidder, in the amount of \$298,031.07, subject to final review and approval of the form and agreement by the City Manager's office and the City Attorney.

Meadowbrook Road Culvert Replacement Location Map



Map Author: J. Mathias
Date: 4/19/17

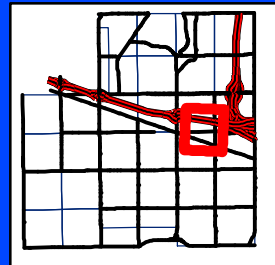
Amended By:
Date:
Department:

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

Legend

 Culvert Replacement



City of Novi

Engineering Division
Department of Public Services
26300 Lee BeGole Drive
Novi, MI 48375
cityofnovi.org



1 inch = 667 feet



April 28, 2017

City of Novi DPS – Engineering Division

26300 Lee BeGole Drive

Novi, MI 48375

Attention: Mr. Joey Mathias, Engineer

Regarding: Meadowbrook Road Culvert Replacement
Recommendation of Award

Dear Mr. Mathias:

Sealed bids for Meadowbrook Road Culvert Replacement were received and publicly read aloud by the City on Thursday, April 27, 2017 at 11:00 am. Proposals were received from nine (9) bidders. The three (3) low bidders and their total bid amounts are summarized below. Total bid amount from all bidders are summarized in the attached bid tabulation. The final Engineer’s Opinion of Construction Cost for this project was estimated to be \$329,000. Please note that the amounts listed below in the table also include the anticipated cost of crew days (inspector days) for the project.

Contractor	Amount
Z Contractors, Inc.	\$305,711.07
Springline Excavating, LLC	\$329,952.96
Fonson Company, Inc.	\$353,305.46

The project scope consists of removal of existing dual CMP culverts, and installing a precast concrete box culvert with precast wing walls across Meadowbrook Road, located between Grand River Avenue and Eleven Mile Road. The project also includes other miscellaneous improvements such as HMA road pavement patching and guardrail replacement, riprap, storm sewer installation, and related site restoration. The work to be completed under this Contract includes the furnishing of materials, equipment, and labor necessary to complete the proposed work, in accordance with the contract documents.

Z Contractors, Inc., located in Shelby Township, Michigan, is the apparent low bidder. They have successfully completed previous recent projects under the observation of OHM Advisors in multiple communities in Southeast Michigan, and have also worked previously in the City of Novi on bridge related work. Based on our past experience, they are capable of successfully performing the work under this City Contract.

We therefore recommend award of the Meadowbrook Road Culvert Replacement project to Z Contractors, Inc. in the estimated award amount of **\$298,031.07**. Please note that this award amount is derived from the total bid amount of \$305,711.07, less the total crew day cost of \$7,680.00, per the submitted unit price bid for the project by Z Contractors, Inc.

We look forward to continuing to provide our professional services on this project through the construction phase of work. If you have any questions, please do not hesitate to contact me at (734) 466-4439.

Sincerely,

OHM Advisors

A handwritten signature in black ink that reads "George A. Tsakoff". The signature is written in a cursive, flowing style.

George A. Tsakoff, PE
Senior Project Manager

Enclosures: *Bid Tabulation*

cc: James Stevens, PE, OHM

Item No.	Description	Estimated Quantity	Phone: 586-625-8899		Phone: 313-491-6688		Phone: 810-231-5188		Phone:		Phone: 248-397-4200		Phone: 586-254-2040	
			Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1)	Mobilization, Max 10%	1 LS	\$30,000.00	\$30,000.00	\$20,000.00	\$20,000.00	\$12,400.00	\$12,400.00	\$21,322.00	\$21,322.00			¹ \$35,000.00	\$35,000.00
2)	Clearing	223 Syd	\$12.00	\$2,676.00	\$7.00	\$1,561.00	\$15.00	\$3,345.00	\$5.00	\$1,115.00	\$9.20	\$2,051.60	\$10.00	\$2,230.00
3)	Culv, Rem, 24 inch to 48 inch	2 Ea	\$900.00	\$1,800.00	\$1,000.00	\$2,000.00	\$2,570.00	\$5,140.00	\$7,057.00	\$14,114.00	\$2,875.00	\$5,750.00	\$1,100.00	\$2,200.00
4)	Sewer, Rem, 24 inch to 48 inch	8 Ft	\$150.00	\$1,200.00	\$25.00	\$200.00	\$53.00	\$424.00	\$20.00	\$160.00	\$115.00	\$920.00	\$11.00	\$88.00
5)	Gas Main, Rem	140 Ft	\$8.00	\$1,120.00	\$4.00	\$560.00	\$4.50	\$630.00	\$2.00	\$280.00	\$11.50	\$1,610.00	\$0.01	\$1.40
6)	Guardrail, Rem	138 Ft	\$3.50	\$483.00	\$3.50	\$483.00	\$3.50	\$483.00	\$3.50	\$483.00	\$5.25	\$724.50	\$3.50	\$483.00
7)	Masonry and Conc Structure, Rem	10 Cyd	\$225.00	\$2,250.00	\$60.00	\$600.00	\$122.00	\$1,220.00	\$120.00	\$1,200.00	\$115.00	\$1,150.00	\$72.00	\$720.00
8)	HMA Surface, Rem	264 Syd	\$7.00	\$1,848.00	\$7.00	\$1,848.00	\$6.50	\$1,716.00	\$5.00	\$1,320.00	\$17.25	\$4,554.00	\$8.00	\$2,112.00
9)	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	300 Ft	\$1.50	\$450.00	\$1.50	\$450.00	\$1.50	\$450.00	\$1.50	\$450.00	\$1.84	\$552.00	\$1.50	\$450.00
10)	Pavt Mrkg, Sprayable Thermopl, 6 inch, White	300 Ft	\$2.50	\$750.00	\$2.50	\$750.00	\$2.50	\$750.00	\$2.50	\$750.00	\$2.99	\$897.00	\$2.50	\$750.00
11)	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	16 Ea	\$49.95	\$799.20	\$50.00	\$800.00	\$80.00	\$1,280.00	\$50.00	\$800.00	\$57.50	\$920.00	\$49.95	\$799.20
12)	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	16 Ea	\$0.01	\$0.16	\$0.01	\$0.16	\$0.01	\$0.16	\$0.01	\$0.16	\$1.15	\$18.40	\$0.01	\$0.16
13)	Minor Traf Devices	1 LS	\$17,676.41	\$17,676.41	\$480.00	\$480.00	\$1,850.00	\$1,850.00	\$9,370.00	\$9,370.00	\$2,875.00	\$2,875.00	\$6,000.00	\$6,000.00
14)	Plastic Drum, High Intensity, Lighted, Furn	50 Ea	\$11.95	\$597.50	\$12.00	\$600.00	\$25.00	\$1,250.00	\$16.00	\$800.00	\$13.80	\$690.00	\$11.95	\$597.50
15)	Plastic Drum, High Intensity, Lighted, Oper	50 Ea	\$0.01	\$0.50	\$0.01	\$0.50	\$0.01	\$0.50	\$0.01	\$0.50	\$1.15	\$57.50	\$0.01	\$0.50
16)	Sign, Type B, Temp, Prismatic, Furn	408 Sft	\$3.50	\$1,428.00	\$3.50	\$1,428.00	\$5.00	\$2,040.00	\$4.50	\$1,836.00	\$4.14	\$1,689.12	\$3.50	\$1,428.00
17)	Sign, Type B, Temp, Prismatic, Oper	408 Sft	\$0.01	\$4.08	\$0.01	\$4.08	\$0.01	\$4.08	\$0.01	\$4.08	\$1.15	\$469.20	\$0.01	\$4.08
18)	Sign, Type B, Temp, Prismatic, Special, Furn	322 Sft	\$7.00	\$2,254.00	\$7.00	\$2,254.00	\$12.00	\$3,864.00	\$5.50	\$1,771.00	\$8.05	\$2,592.10	\$7.00	\$2,254.00
19)	Sign, Type B, Temp, Prismatic, Special, Oper	322 Sft	\$0.01	\$3.22	\$0.01	\$3.22	\$0.01	\$3.22	\$0.01	\$3.22	\$1.15	\$370.30	\$0.01	\$3.22
20)	Subgrade Undercutting, Type II	80 Cyd	\$35.00	\$2,800.00	\$27.00	\$2,160.00	\$50.00	\$4,000.00	\$30.00	\$2,400.00	\$46.00	\$3,680.00	\$0.01	\$0.80
21)	Backfill, Structure, CIP	606 Cyd	\$24.00	\$14,544.00	\$25.00	\$15,150.00	\$30.00	\$18,180.00	\$25.00	\$15,150.00	\$31.05	\$18,816.30	\$13.00	\$7,878.00
22)	Excavation, Fdn	1108 Cyd	\$14.00	\$15,512.00	\$23.00	\$25,484.00	\$27.00	\$29,916.00	\$16.00	\$17,728.00	\$17.25	\$19,113.00	\$6.50	\$7,202.00
23)	Erosion Control, Silt Fence	400 Ft	\$1.50	\$600.00	\$2.00	\$800.00	\$4.05	\$1,620.00	\$2.50	\$1,000.00	\$3.45	\$1,380.00	\$2.00	\$800.00
24)	Aggregate Base	242 Ton	\$28.00	\$6,776.00	\$21.00	\$5,082.00	\$31.25	\$7,562.50	\$23.00	\$5,566.00	\$28.75	\$6,957.50	\$30.00	\$7,260.00
25)	Shoulder, CI II	38 Ton	\$35.00	\$1,330.00	\$50.00	\$1,900.00	\$50.00	\$1,900.00	\$28.00	\$1,064.00	\$57.50	\$2,185.00	\$30.00	\$1,140.00
26)	Geogrid	200 Syd	\$5.00	\$1,000.00	\$3.00	\$600.00	\$7.00	\$1,400.00	\$6.00	\$1,200.00	\$8.05	\$1,610.00	\$2.25	\$450.00
27)	Sewer, CI A, 30 inch, Tr Det A	29 Ft	\$160.00	\$4,640.00	\$125.00	\$3,625.00	\$152.00	\$4,408.00	\$125.00	\$3,625.00	\$115.00	\$3,335.00	\$98.00	\$2,842.00
28)	Dr Structure Cover, Type B	1 Ea	\$550.00	\$550.00	\$360.00	\$360.00	\$535.00	\$535.00	\$500.00	\$500.00	\$1,150.00	\$1,150.00	\$302.00	\$302.00
29)	Dr Structure, 60 inch dia	1 Ea	\$3,000.00	\$3,000.00	\$2,000.00	\$2,000.00	\$2,600.00	\$2,600.00	\$2,700.00	\$2,700.00	\$7,475.00	\$7,475.00	\$2,400.00	\$2,400.00
30)	Culv Bedding, Box Culv	72 Cyd	\$55.00	\$3,960.00	\$65.00	\$4,680.00	\$65.00	\$4,680.00	\$87.00	\$6,264.00	\$40.25	\$2,898.00	\$34.00	\$2,448.00
31)	Culv, Precast Conc Box, 10 foot by 5 foot	93 Ft	\$720.00	\$66,960.00	\$1,140.00	\$106,020.00	\$1,090.00	\$101,370.00	\$1,350.00	\$125,550.00	\$1,897.50	\$176,467.50	\$1,875.00	\$174,375.00
32)	Precast Wing Walls and Headwalls	1 LS	\$65,000.00	\$65,000.00	\$65,000.00	\$65,000.00	\$69,450.00	\$69,450.00	\$64,794.00	\$64,794.00	\$63,250.00	\$63,250.00	\$92,000.00	\$92,000.00
33)	HMA, 3C	44 Ton	\$136.00	\$5,984.00	\$150.00	\$6,600.00	\$151.00	\$6,644.00	\$209.00	\$9,196.00	\$158.55	\$6,976.20	\$136.00	\$5,984.00
34)	HMA, 5E1	30 Ton	\$168.00	\$5,040.00	\$170.00	\$5,100.00	\$156.00	\$4,680.00	\$264.00	\$7,920.00	\$163.80	\$4,914.00	\$168.00	\$5,040.00
35)	Guardrail, Type B	75 Ft	\$20.00	\$1,500.00	\$20.00	\$1,500.00	\$20.00	\$1,500.00	\$20.00	\$1,500.00	\$21.00	\$1,575.00	\$20.00	\$1,500.00
36)	Guardrail, Backed, Det G2	2 Ea	\$1,950.00	\$3,900.00	\$1,950.00	\$3,900.00	\$1,950.00	\$3,900.00	\$1,950.00	\$3,900.00	\$2,047.50	\$4,095.00	\$1,950.00	\$3,900.00
37)	Guardrail Departing Terminal, Type B	2 Ea	\$750.00	\$1,500.00	\$750.00	\$1,500.00	\$750.00	\$1,500.00	\$750.00	\$1,500.00	\$787.50	\$1,575.00	\$750.00	\$1,500.00
38)	Sign, Type II, Erect, Salv	2 Ea	\$250.00	\$500.00	\$250.00	\$500.00	\$100.00	\$200.00	\$75.00	\$150.00	\$575.00	\$1,150.00	\$250.00	\$500.00
39)	Riprap, Heavy	70 Syd	\$50.00	\$3,500.00	\$85.00	\$5,950.00	\$93.00	\$6,510.00	\$75.00	\$5,250.00	\$57.50	\$4,025.00	\$99.00	\$6,930.00
40)	Restoration	900 Syd	\$3.50	\$3,150.00	\$4.75	\$4,275.00	\$7.75	\$6,975.00	\$5.00	\$4,500.00	\$5.75	\$5,175.00	\$9.00	\$8,100.00
41)	Audio Visual Route Survey	1 LS	\$945.00	\$945.00	\$945.00	\$945.00	\$925.00	\$925.00	\$900.00	\$900.00	\$2,300.00	\$2,300.00	\$925.00	\$925.00
42)	Contingency Allowance	1 Dir	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00
43)	Crew Days	640 \$/day	12.0	\$7,680.00	20.0	\$12,800.00	25.0	\$16,000.00	22.0	\$14,080.00	15.0	\$9,600.00	22.0	\$14,080.00
TOTAL BID AMOUNT				\$305,711.07		\$329,952.96		\$353,305.46		\$372,215.96		\$397,593.22	²	\$422,677.86

ADDITIONAL BIDDERS

V.I.L. Construction, Inc.	\$492,105.88
D.V.M. Utilities, Inc.	\$579,766.50
Lawrence M. Clarke, Inc.	\$689,591.00

CORRECTIONS

- ¹ Bidder did not provide price.
- ² Bidder's total has been adjusted to reflect summation of extended amounts of items for which prices were provided.