



CITY of NOVI CITY COUNCIL

Agenda Item 2
February 23, 2015

SUBJECT: Approval to award a construction contract for Town Center Reconstruction—Contract 2 (11 Mile to Crescent) project to Fonson Company, Inc., the lowest responsible bidder, in the amount of \$630,245, subject to final review and approval of form of agreement by City Manager's office and the City Attorney.

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division *AH BIC*

CITY MANAGER APPROVAL:

EXPENDITURE REQUIRED	\$ 630,245
AMOUNT BUDGETED	\$ 655,444
LINE ITEM NUMBER	202-202.00-865.675

BACKGROUND INFORMATION:

This project includes the reconstruction of Town Center Drive from Eleven Mile to Crescent Boulevard. Improvements to the sidewalks and ramps, as well as other minor improvements, will be completed within the project limits. This portion of the road was scheduled to be completed last year along with the portion of Town Center Drive between Eleven Mile and Grand River. However, the work could not be completed by the end of the construction season.

A change order removing the incomplete portions of the project from Contract 1 (awarded to a different contractor) was issued in December 2014 in the deductive amount of \$664,895. The incomplete work is now being recommended for award as Town Center Reconstruction—Contract 2. Contract 2 includes Town Center Drive from Crescent Boulevard to and including the Eleven Mile intersection as shown on the attached map.

The reconstruction of the road provides the opportunity to include an interlayer and geogrid, both of which are geosynthetic paving materials designed to extend the service life of the pavement. The interlayer is constructed of a fiberglass mesh embedded into high performance polyester mats and is placed between asphalt lifts to provide additional strength and resist reflective cracking, while also preventing moisture infiltration into the pavement structure. The geogrid is placed within the aggregate base layer to reduce subgrade stresses by spreading point loads over a larger area (i.e., the "snowshoe effect").

Ten bids were received and opened on February 11, 2015 following a public bid solicitation period. The lowest responsible bidder is Fonson Company. Fonson's bid is recommended as being in the best interest of the City as it is responsive (i.e., Fonson has complied with all requirements of the bidding instructions) and it is the lowest price of the bids submitted by contractors considered responsible (i.e. able to complete the work). The attached memo dated February 13, 2015 provides additional discussion in this regard.

(SDA's award recommendation letter including the bid tabulation dated February 13, 2015 is attached). A summary of the ten bids is as follows:

Contractor	Bid Price (including Crew Days)*
Pavex Corporation **	\$647,669.68
Fonson Company	\$655,845.22
Pro-Line Corporation	\$656,706.35
Cadillac Asphalt	\$658,832.22
Florence Cement	\$663,949.22
Nagle Paving Company	\$687,859.50
Ajax Paving	\$718,570.12
Asphalt Specialists	\$762,413.05
Anglin Civil	\$772,136.37
Warren Contractors	\$797,142.75

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

** Bid has been determined to be non-responsible, due to past performance.

The construction engineering services award is proposed for consideration elsewhere on this agenda. It is anticipated that this project will be completed by summer 2015.

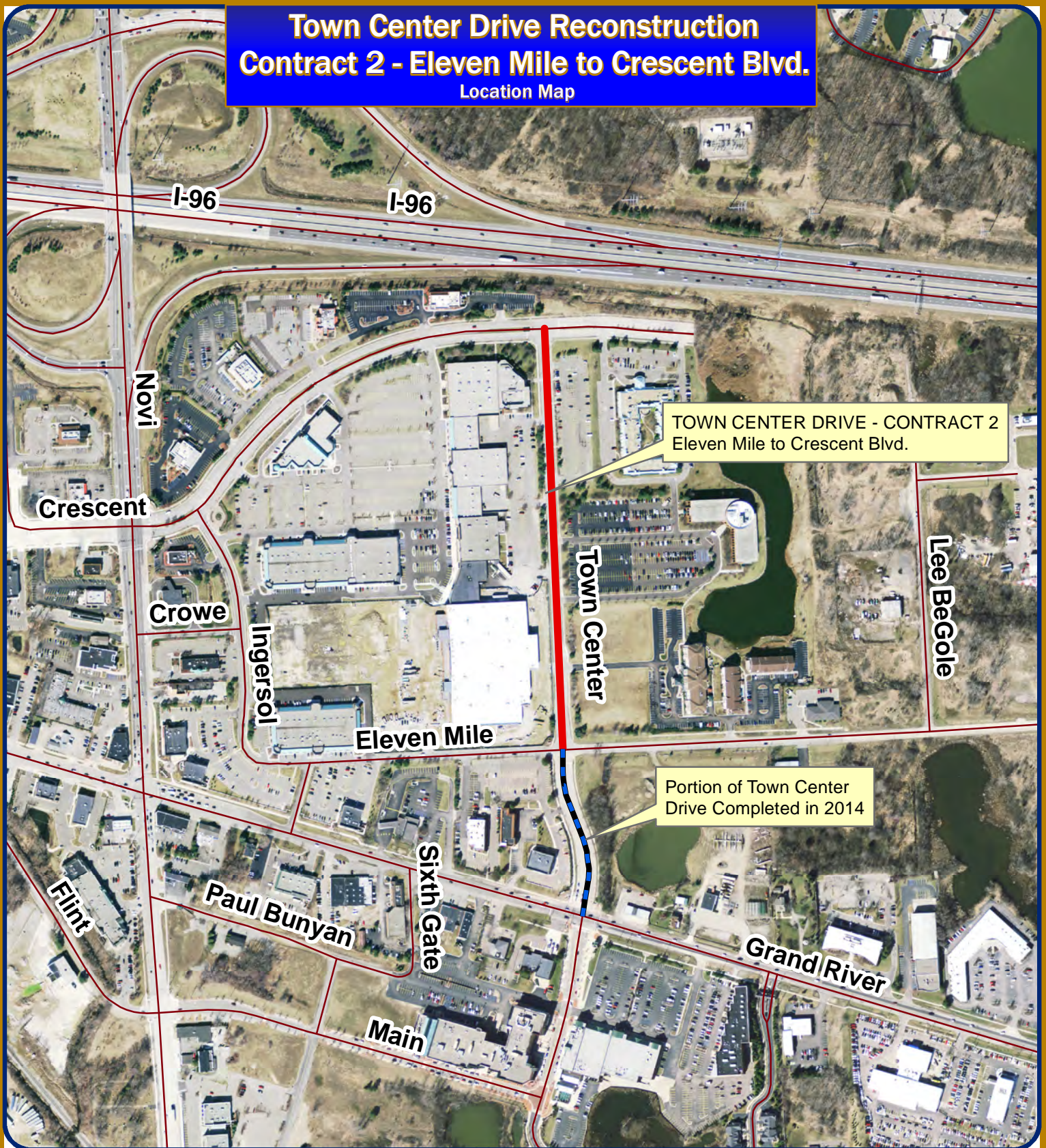
RECOMMENDED ACTION: Approval to award a construction contract for Town Center Reconstruction—Contract 2 (11 Mile to Crescent) project to Fonson Company, Inc., the lowest responsible bidder, in the amount of \$630,245, subject to final review and approval of form of agreement by City Manager's office and the City Attorney.

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

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

Town Center Drive Reconstruction Contract 2 - Eleven Mile to Crescent Blvd.

Location Map



TOWN CENTER DRIVE - CONTRACT 2
Eleven Mile to Crescent Blvd.

Portion of Town Center
Drive Completed in 2014

Map Author: Croy
Date: 2/13/15
Project: Town Center Drive Contract 2
Version #: v1.0

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



1 inch = 500 feet



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

 **SPALDING DEDECKER**
Engineering & Surveying Excellence since 1954

February 13, 2015

Mr. Benjamin Croy, PE, Civil Engineer
City of Novi
26300 Lee BeGole Drive
Novi, Michigan 48375

Re: **Recommendation for Award**
Town Center Drive Reconstruction Contract 2
SDA Project No.: NV13-008

Dear Mr. Croy:

On February 12, 2015 at 2:00 p.m., construction bids were opened and publicly read at the City of Novi Civic Center for the Town Center Drive Reconstruction Contract 2. The project includes removal of the existing concrete road and replacement with new asphalt construction.

The City Clerk's office received ten (10) sealed bids for this project, with each bidder considered to be responsive having submitted a bid compliant with all requirements. The lowest responsible bidder, Fonson Company, Inc., submitted a total bid of \$655,845.22. Following the bid opening, Spalding DeDecker reviewed all of the bids received, verified the calculations, and prepared the bid tabulation for the project (attached).

Based on a review of experience and references provided, Spalding DeDecker finds that Fonson Company, Inc. is qualified to perform the required construction.

It is our recommendation that the project be awarded to the lowest responsible bidder, Fonson Company, Inc., for the Town Center Drive Reconstruction Contract 2 in the amount of \$630,245.22, which is the total bid of \$655,845.22 minus \$25,600.00 for crew days bid.

Upon award by the City Council, our office will coordinate the completion of the Contract Agreement, Bonds, and Insurance information with Fonson Company, Inc..

Very Truly Yours,
SPALDING DEDECKER



Edward Strada, PE
Project Manager

Encl: Bid Tabulation

BID TABULATION - TOWN CENTER DRIVE - CONTRACT 2

CITY OF NOVI

10 Bids received, opened 02/10/15

Project No. NV13008

By: BLA

Reviewed: TER

No	ITEM	QUANTITY	UNIT	Engineer's Estimate		Pavex		Fonson		Pro-Line	
				UNIT PRICE (\$)	AMOUNT (\$)	UNIT PRICE (\$)	AMOUNT (\$)	UNIT PRICE (\$)	AMOUNT (\$)	UNIT PRICE (\$)	AMOUNT (\$)
1	Bonds, Insurance and Mobilization (5% Max)	1	LS	32,376.35	32,376.35	26,418.00	26,418.00	32,000.00	32,000.00	32,000.00	32,000.00
2	Pre-Construction Video Review	1	LS	1,500.00	1,500.00	1,000.00	1,000.00	1,545.00	1,545.00	1,100.00	1,100.00
3	Soil Erosion & Sedimentation Control	1	LS	1,800.00	1,800.00	2,196.00	2,196.00	5,000.00	5,000.00	600.00	600.00
4	Maintaining Traffic	1	LS	38,000.00	38,000.00	11,968.00	11,968.00	9,000.00	9,000.00	34,000.00	34,000.00
5	Remove Sidewalk	4,055	SF	0.50	2,027.50	0.49	1,986.95	1.00	4,055.00	1.26	5,109.30
6	Pavement, Rem	8,246	SY	5.70	47,002.20	7.31	60,278.26	6.90	56,897.40	6.00	49,476.00
7	Remove Concrete Curb & Gutter	91	LF	7.75	705.25	10.28	935.48	7.50	682.50	8.31	756.21
8	Excavation, Earth	2,176	CY	16.00	34,816.00	19.86	43,215.36	16.25	35,360.00	10.83	23,566.08
9	Subgrade Undercut (As Needed)	650	CY	44.00	28,600.00	46.26	30,069.00	40.00	26,000.00	23.00	14,950.00
10	Aggregate Base, 6 inch	676	SY	6.50	4,394.00	8.28	5,597.28	7.00	4,732.00	9.25	6,253.00
11	Aggregate Base, 12 inch	8,668	SY	11.00	95,348.00	8.84	76,625.12	10.75	93,181.00	9.84	85,293.12
12	Geogrid	8,668	SY	4.00	34,672.00	4.04	35,018.72	5.25	45,507.00	3.35	29,037.80
13	Underdrain, 6 Inch, w/Geotextile Wrap	3,265	LF	11.00	35,915.00	10.80	35,262.00	9.70	31,670.50	12.00	39,180.00
14	Driveway, Nonreinf Conc, 8 inch	81	SY	67.00	5,427.00	55.00	4,455.00	45.00	3,645.00	55.00	4,455.00
15	Driveway Opening, Conc, Det M	425	LF	17.00	7,225.00	15.50	6,587.50	18.00	7,650.00	15.50	6,587.50
16	Curb and Gutter, Conc, Det F-4, Modified	2,805	LF	14.00	39,270.00	12.50	35,062.50	15.00	42,075.00	13.07	36,661.35
17	HMA, 3C	1,250	TON	75.00	93,750.00	79.20	99,000.00	71.55	89,437.50	70.00	87,500.00
18	HMA, 5E1	840	TON	80.00	67,200.00	85.98	72,223.20	72.75	61,110.00	81.00	68,040.00
19	Interlayer	7,226	SY	4.00	28,904.00	3.25	23,484.50	4.70	33,962.20	5.00	36,130.00
20	Sidewalk, Conc, 4 Inch	1,620	SF	4.50	7,290.00	3.50	5,670.00	4.50	7,290.00	3.50	5,670.00
21	ADA Ramp, Conc, 6 Inch	2,220	SF	7.50	16,650.00	6.25	13,875.00	5.00	11,100.00	6.25	13,875.00
22	ADA Detectable Warning Plate	50	SF	33.50	1,675.00	25.00	1,250.00	25.00	1,250.00	25.00	1,250.00
23	Str Rehab Type 1: Point-Up Structure	1	EA	790.00	790.00	645.00	645.00	175.00	175.00	1,000.00	1,000.00
24	Str Rehab Type 2: Structure Cover Adjust	1	EA	1,200.00	1,200.00	1,320.00	1,320.00	400.00	400.00	1,200.00	1,200.00
25	Str Rehab Type 3: Reconstruct Structure	4	EA	1,900.00	7,600.00	1,980.00	7,920.00	825.00	3,300.00	1,300.00	5,200.00
26	Dr Structure Cover, Type A	4	EA	1,000.00	4,000.00	1,100.00	4,400.00	850.00	3,400.00	600.00	2,400.00
27	Pavement Marking, White 4 Inch	262	LF	0.75	196.50	0.73	191.26	0.66	172.92	0.74	193.88
28	Pavement Marking, Yellow, 4 Inch	3,030	LF	0.75	2,272.50	0.73	2,211.90	0.66	1,999.80	0.74	2,242.20
29	Pavement Marking, Dotted, White, 6 Inch	84	LF	1.00	84.00	1.06	89.04	1.10	92.40	1.23	103.32
30	Pavement Marking, Cross Walk, 6 Inch	354	LF	2.25	796.50	2.18	771.72	4.00	1,416.00	4.47	1,582.38
31	Pavement Marking, Stop Bar, 18 Inch	106	LF	6.50	689.00	6.54	693.24	11.00	1,166.00	12.29	1,302.74
32	Pavement Marking, Left Turn Arrow Symbol	2	EA	120.00	240.00	117.35	234.70	135.00	270.00	150.81	301.62
33	Pavement Marking, Right Turn Arrow Symbol	1	EA	120.00	120.00	117.35	117.35	135.00	135.00	150.81	150.81
34	Pavement Marking, "ONLY" Symbol	3	EA	140.00	420.00	139.70	419.10	145.00	435.00	161.98	485.94
35	Corrugated HMA Divider, Depressed	295	LF	10.50	3,097.50	12.30	3,628.50	7.40	2,183.00	10.18	3,003.10
36	Restoration	1	LS	10,000.00	10,000.00	9,000.00	9,000.00	10,500.00	10,500.00	9,800.00	9,800.00
37	Permit Allowance (RCOC)	1	LS	1,450.00	1,450.00	1,450.00	1,450.00	1,450.00	1,450.00	1,450.00	1,450.00
38	Inspection Crew Days	35	DAY	640.00	22,400.00	35	22,400.00	40	25,600.00	70	44,800.00
OPINION OF PROBABLE CONSTRUCTION COST				\$679,903.30	** \$647,669.68	\$655,845.22	\$656,706.35				

Additional Bids Received:	Cadillac Asphalt	\$658,832.22
	Florence	\$663,949.22
	Nagle Paving	\$687,859.50
	Ajax Paving	\$718,570.12
	Asphalt Specialist	\$762,413.05
	** Anglin Civil	\$773,136.37
	Warren	\$797,142.75



Taylor B. Lewis
SPALDING DESIGN

* NOTE: Number of Construction Observation Days bid by contractor, entered in Unit Price column here for bid tabulation purposes

**NOTE: Line item mathematical error corrected - Did not change the as-read bid order