

**CITY OF NOVI CITY COUNCIL
DECEMBER 9, 2019**

SUBJECT: Approval to award engineering design services to Spalding DeDecker and Associates for Sidewalk Segment 51 (north side of 10 Mile Road, between Dinsler Road and Woodham Drive), in the amount of \$30,376.28.

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division

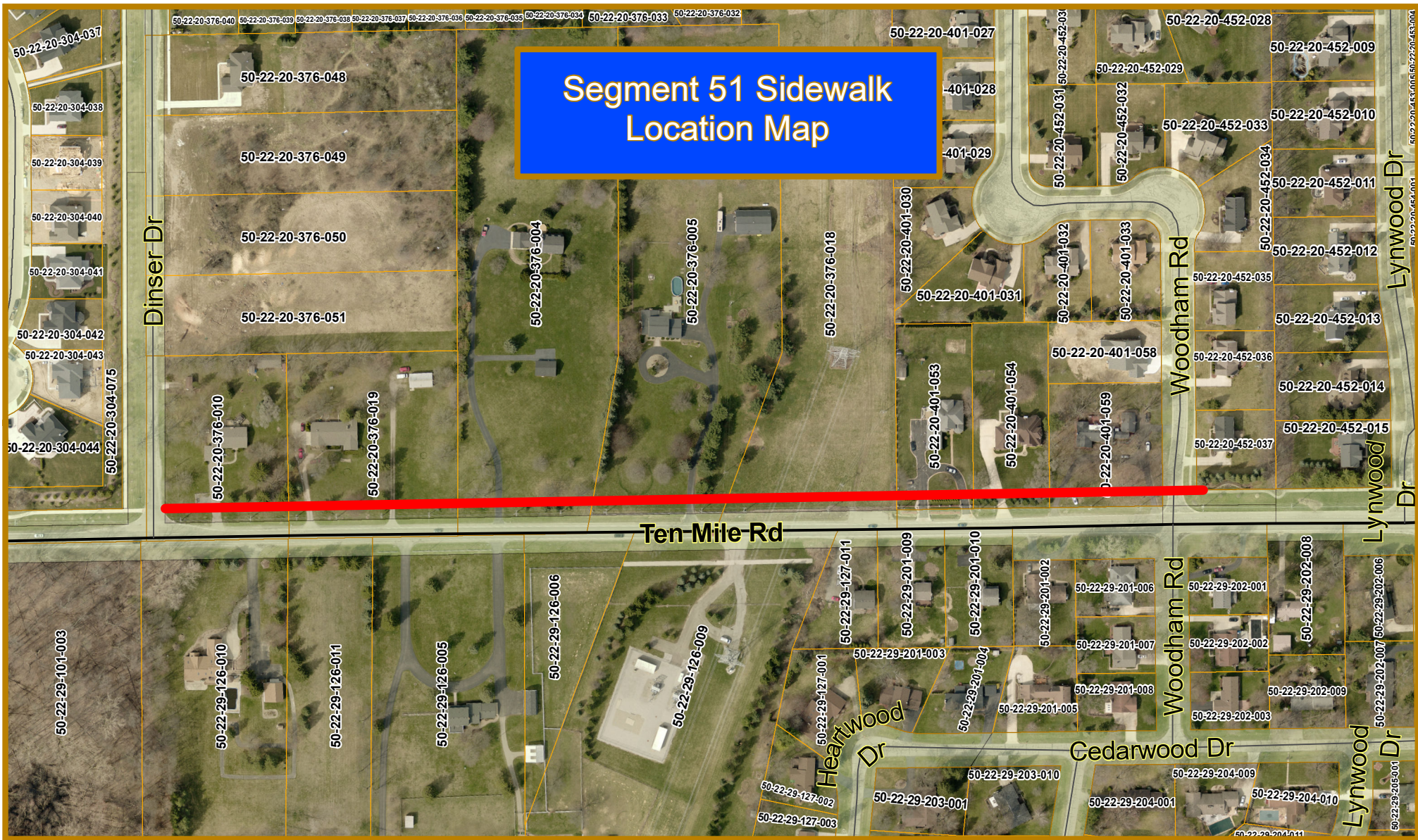
EXPENDITURE REQUIRED	\$ 30,376.28
AMOUNT BUDGETED	\$ 46,480
APPROPRIATION REQUIRED	\$ 0
LINE ITEM NUMBER	204-204.00-974.482

BACKGROUND INFORMATION: Segment 51 was identified at the July 11, 2019 Walkable Novi Committee meeting as a priority due to its proximity to the ITC Corridor. Construction of this segment will allow for easier and safer access to the ITC Corridor for nearby residents. It will also result in a complete sidewalk connection on the north side of 10 Mile Road from Wixom Road to Meadowbrook Road.

Spalding DeDecker's (SDA) engineering fees are based on the fixed fee schedule established in the Agreement for Professional Engineering Services for Public Projects. The design fees for this project will be \$30,376.28, 10.75% of the estimated construction cost of \$282, 570. Spalding DeDecker's proposal for design of sidewalk segment 51 is enclosed and includes the project scope and schedule.

Design of this project would begin following award with construction estimated to begin in summer 2020.

RECOMMENDED ACTION: Approval to award engineering design Services to Spalding DeDecker and Associates for Sidewalk Segment 51 (north side of 10 Mile Road, between Dinsler Road and Woodham Drive), in the amount of \$30,376.28.



Segment 51 Sidewalk Location Map

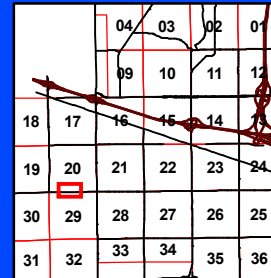


Map Author: Rebecca Runkel
 Date: 11/26/19
 Project: Segmet 51 Sidewalk
 Version #: 1.0

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

Project Limits



City of Novi

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



October 31, 2019

Mr. Ben Croy
City of Novi - City Engineer
26300 Lee BeGole Drive
Novi, Michigan 48375

**Re: Engineering Services for
Pathway Segment 51
Ten Mile Road – North Side, Dinser to Woodham**

Dear Mr. Croy:

Spalding DeDecker is pleased to provide the following proposal for the design of a 6' wide concrete sidewalk along the north side of Ten Mile Road from Dinser to Woodham.

Project Understanding

Spalding DeDecker will prepare construction plans and specifications for the Pathway along the north side of Ten Mile Road from Dinser to Woodham.

Proposed Scope of Services

Spalding DeDecker's scope will include:

- Obtain topographical survey
 - From the north edge of shoulder of 10 Mile Road to 20-feet north of the northern right-of-way line.
- Provide a list of parcels in need of right-of-way dedication and/or easements
- Prepare a soils investigation scope for the City to contract with their pre-approved consultant.
- Prepare 60% construction plans.
- Prepare Engineer's Opinion of Cost at 60%, 90% and Final plan review stages.
- Prepare right-of-way and/or easement documents (up to 5 included in cost), additional at \$670.00/document.
- Prepare permit applications.
- Prepare 90% plans and final review.

Assumptions

Based on our field walk of the project the following are our assumptions of the project:

- Sidewalk will be constructed outside of the right-of-way throughout the project limits, outside of 48390 and 48240 Ten Mile Road, and will not require relocation of the existing power poles or ditch line.



- The existing ditchline will be enclosed from the ITC parcel east to 48240 Ten Mile Road.
- The City will negotiate easements with the homeowners utilizing SD's easement exhibits and language.

Construction Cost Estimate and Proposed Fees

Based on our pre-qualification status with the City, engineering design fees are typically based on a pre-determined percentage of the pre-design construction cost estimate. A preliminary cost estimate for the project has been generated with an estimated base cost of \$282,570.00. Based on this estimated cost, the fee for this project will be 10.75% of the estimated cost, **\$30,376.28**.

Project Schedule

The following summarizes the anticipated schedule for the project:

<u>Milestone</u>	<u>Completed By</u>
Design Project Award	11/12/2019
60% Preliminary Plans	1/15/2020
Permitting	2/15/2020
90% Final Plans	2/15/2020
Advertise	4/15/2020
Bid Opening	5/6/2020
Award	5/18/2020

Thank you for your selection of Spalding DeDecker to provide design services for the Ten Mile Road Sidewalk, North Side from Dinser to Woodham. Please do not hesitate to contact me if you have any questions or comments regarding this submittal.

SPALDING DEDECKER ASSOCIATES, INC.

Jeremy Schrot, PE
Director of Public Engineering

OPINION OF PROBABLE CONSTRUCTION COST

PROJECT NAME: 10 MILE ROAD PATHWAY - DINSER TO WOODHAM - NORTH SIDE
CLIENT NAME: CITY OF NOVI
PREPARED BY: TER

PROJECT NO: NV19000
DATE: 6-Aug-19

NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1	Bonds, Insurance and Mobilization (10% Max)	1	LS	\$ 30,000.00	\$ 30,000.00
2	Pre-Construction Audio-Visual	1	LS	\$ 1,500.00	\$ 1,500.00
3	Soil Erosion Control Measures	1	LS	\$ 4,000.00	\$ 4,000.00
4	Temporary Traffic Control Devices	1	LS	\$ 5,000.00	\$ 5,000.00
5	Tree Protection Fencing	150	LF	\$ 3.50	\$ 525.00
6	White Fence at 48700 10 Mile Road, Relocate	220	LF	\$ 50.00	\$ 11,000.00
7	Chain Link Fence at ITC Corridor, Relocate	310	LF	\$ 45.00	\$ 13,950.00
8	Remove Tree, (6 inch-18 inch), Complete	20	EA	\$ 500.00	\$ 10,000.00
9	Concrete Curb and Gutter, Remove	48	LF	\$ 15.00	\$ 720.00
10	Sidewalk, Remove	50	SF	\$ 1.50	\$ 75.00
11	HMA Surface, Remove	270	SY	\$ 18.00	\$ 4,860.00
12	Pavement, Remove	240	SY	\$ 15.00	\$ 3,600.00
13	Subgrade Undercut (As Needed)	160	CY	\$ 40.00	\$ 6,400.00
14	Pathway Grading	18	STA	\$ 1,000.00	\$ 18,000.00
15	Aggregate Base, 6 Inch, Limestone	1400	SY	\$ 9.00	\$ 12,600.00
16	Sidewalk, Conc, 4 Inch	9480	SF	\$ 7.00	\$ 66,360.00
17	Sidewalk, Conc, 6 Inch	1320	SF	\$ 10.00	\$ 13,200.00
18	Curb and Gutter, Conc, Modified	48	LF	\$ 35.00	\$ 1,680.00
19	HMA Driveway, Complete	160	SY	\$ 80.00	\$ 12,800.00
20	Concrete Driveway, Complete	20	SY	\$ 90.00	\$ 1,800.00
21	Tree Planting	20	EA	\$ 850.00	\$ 17,000.00
22	Storm Enclosure at 48390 10 Mile Road	1	LS	\$ 15,000.00	\$ 15,000.00
23	Landscaping at 48390 10 Mile Road	1	LS	\$ 20,000.00	\$ 20,000.00
24	Restoration	1	LS	\$ 12,500.00	\$ 12,500.00
			Construction Subtotal:		\$ 282,570.00
			Contingency:	10%	\$ 28,257.00
			Construction Total:		\$ 310,827.00
			Design Engineering:	10.75%	\$ 30,376.28
			Geotechnical Investigation:	2.00%	\$ 6,216.54
25			Inspection (Crew Days at \$700/Day):	30	\$ 21,000.00
			Contract Administration:	7.25%	\$ 22,534.96
			Material Testing:	3.0%	\$ 9,324.81
			ROW Acquisition:		\$ 15,000.00
			Permitting:		\$ 1,000.00
			[Other Non Bid Items]:		\$ -
			OPINION OF PROBABLE CONSTRUCTION COST	Total Estimated Project Cost:	\$ 416,280.00

In providing opinions of probable construction cost, the Client understands that the Consultant has no control over the cost or availability of labor, equipment or materials, or over market conditions or the Contractor's method of pricing, and that the Consultant's opinions of probable construction costs are made on the basis of the Consultant's professional judgement and experience. The Consultant makes no warranty, express or implied, that the bids or the negotiated cost of the Work will not vary from the Consultant's opinion of probable construction cost.

NOTES: 6' WIDE CONCRETE SIDEWALK