



CITY of NOVI CITY COUNCIL

Agenda Item C
May 18, 2015

SUBJECT: Approval to award an amendment to the engineering services agreement with Spalding DeDecker Associates for construction engineering services for the Beck Road Mid-Block Pedestrian Crossing (north of Cheltenham) and Beck Road Repaving project (Sunnybrook to White Pines Drive) project in the amount of \$38,619.

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division *BTC RA*

CITY MANAGER APPROVAL: *[Signature]*

EXPENDITURE REQUIRED	\$ 38,619
AMOUNT BUDGETED	\$ 58,700
LINE ITEM NUMBER	204-204.00-974.436

BACKGROUND INFORMATION:

The *City of Novi Non-Motorized Master Plan 2011* identified several locations for potential development of non-motorized crossings of major roads within the City, referred to as mid-block crossings. One of these locations was identified and funded in the FY13-14 budget on Beck Road between Cheltenham Drive and White Pines Drive. This location is also part of a future east-west regional pathway north of Nine Mile Road (see attached map).

The area between Cheltenham Drive and White Pines Drive was evaluated to determine the best location to accommodate a mid-block crossing. A properly designed mid-block crossing would help direct pedestrians to cross at a defined location, rather than at random locations, and would help alert approaching vehicles that pedestrians may be present, making the crossing much safer.

Since this is the first mid-block crossing project under the City's jurisdiction, the design process evaluated several improvements, such as refuge islands, illuminated pedestrian beacons, and the location of the crossing relative to adjacent streets and other obstacles. Engineering staff and Spalding DeDecker consulted with other engineers, agencies, research material, etc. to solicit expertise regarding the alternatives appropriate for mid-block crossings. SDA performed an analysis to verify that the proposed location is appropriate for a pedestrian crossing. SDA also performed a limited traffic study on Beck Road to evaluate the traffic patterns and help determine the appropriate design for the crossing. The goal of the mid-block crossing is to provide a safe crossing for all users.

In order to facilitate the mid-block crossing for pedestrians, Beck Road will be widened to create a left turn lane between Sunnybrook and White Pines, which is approximately 1/4-mile in length. This section of Beck Road currently has a PASER rating of 3 and is in need of rehabilitation, so this project will also include milling and overlaying this segment's pavement. The crossing will include proper signage and pavement markings to help increase driver awareness of potential pedestrian conflicts. Street lighting will also be added as part of a contract with DTE (a separate item on this agenda).

The construction phase engineering fees are determined using two components: 1) the contract administration fee, which is determined using the fee percentage in Exhibit B of the Agreement For Professional Engineering Services for Public Projects, and 2) the construction inspection fee determined using a cost per inspection (crew) day from Exhibit B of the consultant's agreement that is then multiplied by the number of days of inspection specified by the contractor. The construction phase fees for this project include a contract administration fee of \$17,499 (7% of the \$249,980.00 construction bid) and an inspection fee of \$21,120 (\$640 per crew day, multiplied by the 33 days provided in the contractor's bid) for a total fee of \$38,619.

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

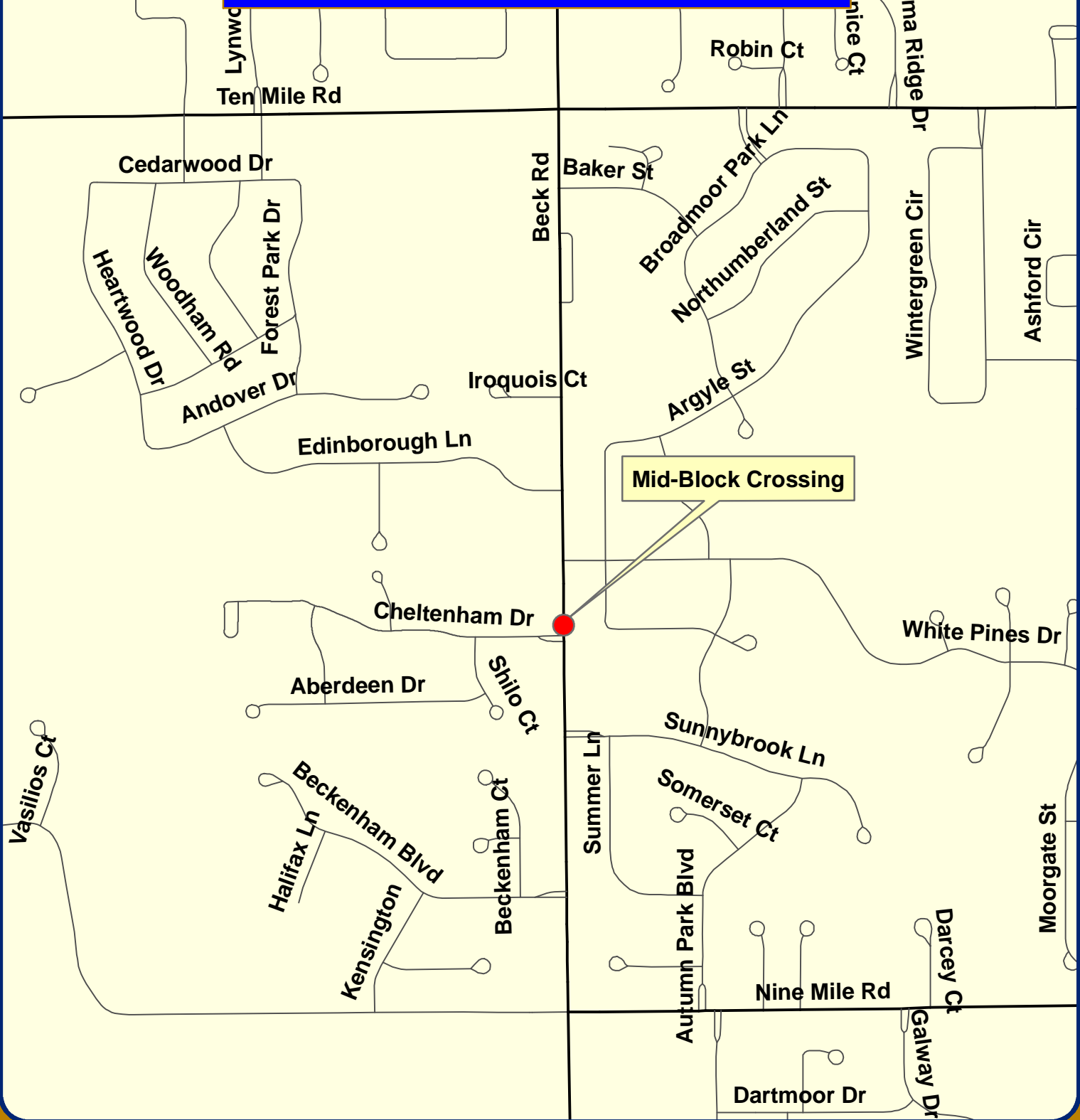
RECOMMENDED ACTION: Approval to award an amendment to the engineering services agreement with Spalding DeDecker Associates for construction engineering services for the Beck Road Mid-Block Pedestrian Crossing (north of Cheltenham) and Beck Road Repaving project (Sunnybrook to White Pines Drive) project in the amount of \$38,619.

	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				

Beck Road Mid-Block Pedestrian Crossing

Location Map



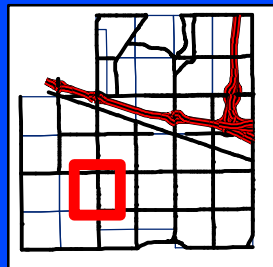
Map Author: Croy
 Date: 5/7/15
 Project: Beck Mid-Block Crossing
 Version #: v2

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.



1 inch = 800 feet



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

**FIRST AMENDMENT TO THE
SUPPLEMENTAL PROFESSIONAL ENGINEERING SERVICES AGREEMENT**

**BECK ROAD MID-BLOCK PEDESTRIAN CROSSING
(BETWEEN CHELTENHAM AND WHITE PINES)**

First Amended Agreement between the City of Novi, 45175 W. Ten Mile Road, Novi, MI 48375-3024, hereafter, "City," and Spalding DeDecker Associates, Inc., whose address is 905 South Boulevard East, Rochester Hills, MI 48307, hereafter, "Consultant," relating to modifications of the fee basis for engineering services. The following sections of the Supplemental Professional Engineering Services Agreement, as made and entered into on November 25, 2013 shall be amended as follows:

Section 2. Payment for Professional Engineering Services, The following Paragraphs shall be amended as follows:

1. Basic Fee.
 - a. *Unchanged*
 - b. Delete 1.b. in its entirety and replace with the following language:
Construction Phase Services: The Consultant shall complete the construction phase services as described herein according to the fee schedule as described below:
 - i. Contract Administration: The Consultant shall complete Contract Administration services for a lump sum fee of \$17,498.60, which is 7.0% of the awarded construction cost (\$249,980) as indicated on the Design and Construction Engineering Fee Curve.
 - ii. Construction Inspection: The Consultant shall complete Construction Inspection services for \$640 per crew day as described in the request for proposals. "Crew days" shall be defined by the construction contract documents as an 8 hour day. Crew days shall be billed in 4 hour increments rounded to the next half day, therefore a 10 hour day shall be 1.5 crew days, a 3 hour day is 0.5 crew days, a 6 hour day shall be 1.0 crew days. The minimum crew day charged for a no-show by the contractor shall be 2 hours (0.25 crew days) which is reflective of the actual cost to the Consultant for traveling to the site and traveling back to the office. There will be no payment to the consultant for extra crew days that were not charged to the contractor. The Consultant acknowledges that intent of using crew days for inspection services is to provide a method for the consultant to recoup costs associated with slow progress by the contractor.
2. *Unchanged*

Except as specifically set forth in this First Amendment, the Supplemental Professional Engineering Services Agreement remains in full force and effect.

WITNESSES

Spalding DeDecker Associates, Inc.

By:
Its:

The foregoing _____ was acknowledged before me this ____ day of _____,
20____, by _____ on behalf of _____.

Notary Public
_____ County, Michigan
My Commission Expires: _____

WITNESSES

CITY OF NOVI

By:
Its:

The foregoing _____ was acknowledged before me this ____ day of _____,
20____, by _____ on behalf of the City of Novi.

Notary Public
Oakland County, Michigan
My Commission Expires: _____