



CITY of NOVI CITY COUNCIL

Agenda Item F
November 25, 2013

SUBJECT: Approval to award an engineering services agreement with Spalding DeDecker Associates for design engineering services for the Beck Road Mid-Block Pedestrian Crossing (between Cheltenham and White Pines) in the amount of \$14,379.

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division ^{R24} B1C

CITY MANAGER APPROVAL: 

EXPENDITURE REQUIRED	\$ 14,379
AMOUNT BUDGETED	\$ 15,500
LINE ITEM NUMBER	204-204.00-974.436

BACKGROUND INFORMATION:

The *City of Novi Non-Motorized Master Plan 2011* identified several locations for the 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).

Spalding DeDecker Associates (SDA) will be assisting the Engineering Division with the design and construction engineering services for this project. The area between Cheltenham Drive and White Pines Drive will be evaluated to determine the best location to accommodate a mid-block crossing. Since the design of mid-block crossings can be complicated, staff will consult with Spalding DeDecker as well as other engineers, agencies, research material, etc. to solicit expertise regarding the alternatives appropriate for mid-block crossings. A properly designed mid-block crossing can help direct pedestrians to cross in a defined location, rather than at random locations, and can help alert approaching vehicles that pedestrians may be present, making the crossing much safer. The project also includes the construction of any additional pathway needed to connect to the mid-block crossing.

Since this is the first mid-block crossing project under the City's jurisdiction, the design process will evaluate several improvements such as refuge islands, illuminated pedestrian beacons, and the location of the crossing relative to adjacent streets and other obstacles. The crossing will also include proper signage and pavement markings to help increase driver awareness of potential pedestrian conflicts. SDA will perform an analysis to verify that the proposed location is appropriate for a pedestrian crossing. SDA will also perform 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 types of non-motorized users.

The design fees for the project based on the fixed fee schedule established in the agreement for Professional Engineering Services for Public Projects for the City's three pre-qualified engineering consultants. The design fees for this project will be \$9,579 (13.25% of the estimated construction cost of \$72,295), plus \$4,800 for the additional traffic study, for a total design fee of \$14,379. The construction phase engineering fees will be awarded at the time of construction award and will be based on the contractor's bid and the fee percentage in the Agreement for Professional Engineering Services for Public Projects. A draft of the Supplemental Professional Engineering Services Agreement for this project is enclosed.

The construction of the project is funded for FY13-14. The project will be designed over the winter months, and construction of this project is expected to commence in summer 2014.

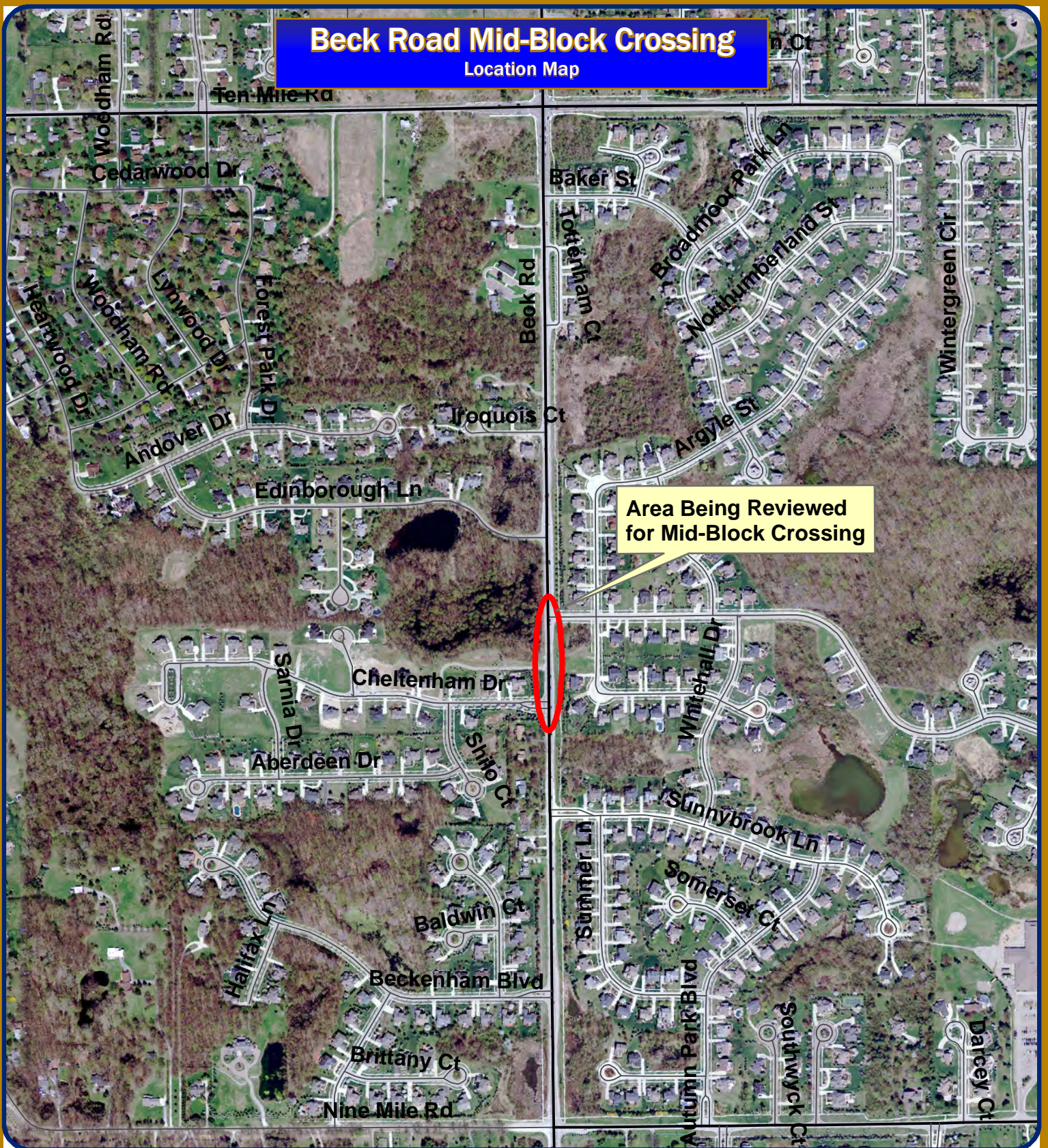
RECOMMENDED ACTION: Approval to award an engineering services agreement with Spalding DeDecker Associates for design engineering services for the Beck Road Mid-Block Pedestrian Crossing (between Cheltenham and White Pines) in the amount of \$14,379.

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

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

Beck Road Mid-Block Crossing

Location Map

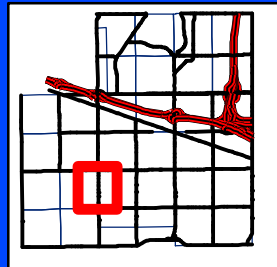
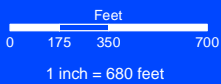


Area Being Reviewed for Mid-Block Crossing

Map Author: Croy
Date: 11/14/13
Project: Beck Mid-Block Crossing
Version #: v1.0

MAP INTERPRETATION NOTICE

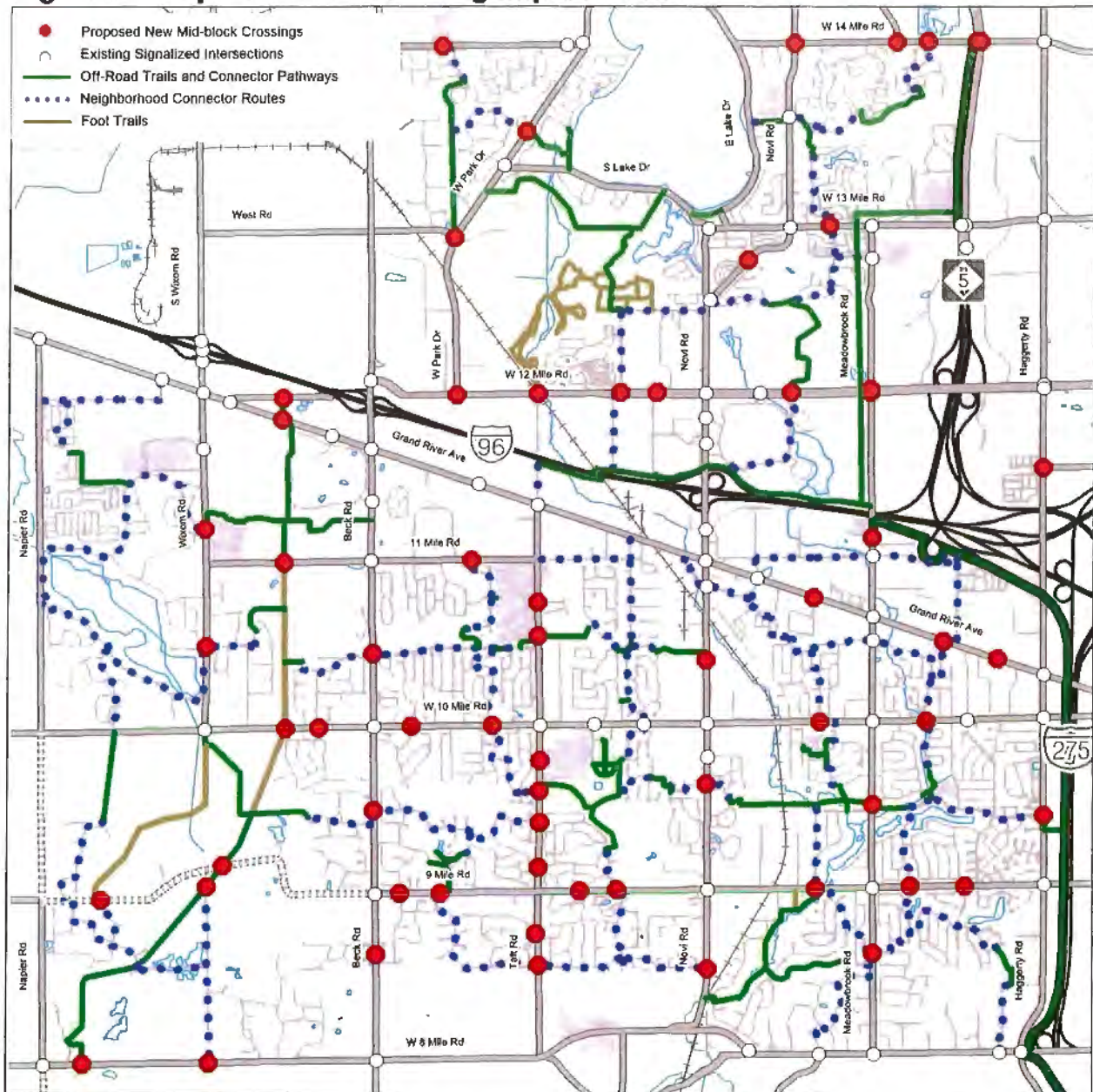
Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate 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.



City of Novi

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

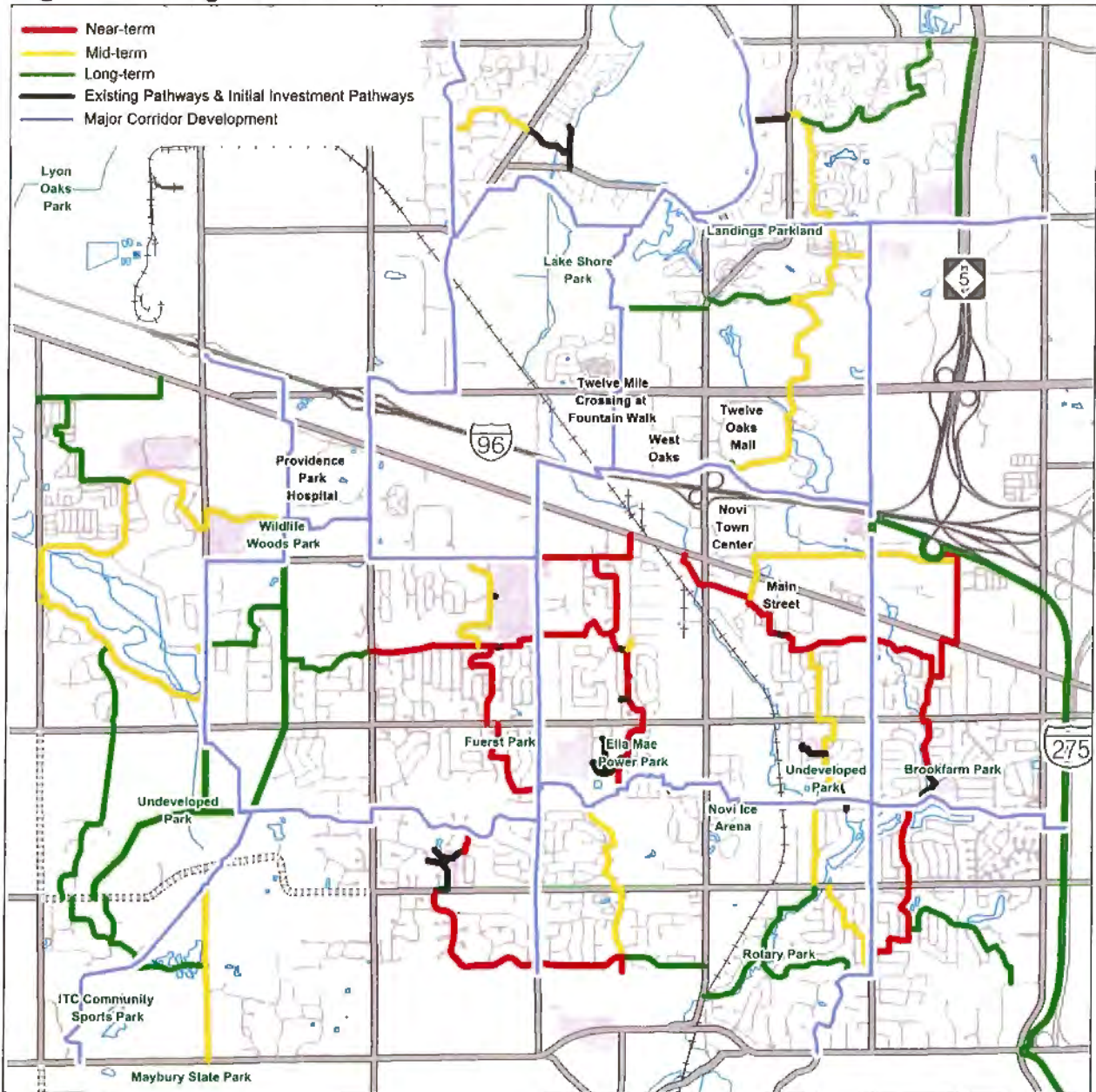
Fig. 3.11. Proposed Road Crossing Improvements



Road Crossing Improvements are needed in areas where there is a high demand to cross. These areas occur where a bike route crosses a collector or arterial road, a major bus stop or bus shelter is present, there is a long distance between crosswalks, or there is a high demand based on land use and population density.

This map illustrates where mid-block crossing improvements are needed. Many of these crossings are addressed in the implementation plan with the neighborhood connector routes and major corridor developments. However, if demand is present they can be implemented sooner. Please note that these are initial recommendations and they need to be studied further prior to implementation.

Fig. 3.2F. Neighborhood Connectors



SUPPLEMENTAL PROFESSIONAL ENGINEERING SERVICES AGREEMENT

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

This Agreement shall be considered as made and entered into as of the date of the last signature hereon, and is 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."

RECITALS:

This Agreement shall be supplemental to, and hereby incorporates the terms and conditions of the AGREEMENT FOR PROFESSIONAL ENGINEERING SERVICES FOR PUBLIC PROJECTS, and attached exhibits, entered into between the City and the Consultant on December 17, 2012.

The project includes the design and the preparation of plans and specifications for a mid-block pedestrian crossing of Beck Road between Cheltenham Drive and White Pines Drive. As part of the design, a traffic gap study will be performed to evaluate the effectiveness of the crossing location. Additionally, refuge islands and the use of pedestrian beacons will be researched to help determine the final scope of the project.

NOW, THEREFORE, in consideration of the foregoing, the City and Consultant agree as follows:

Section 1. Professional Engineering Services.

For and in consideration of payment by the City as provided under the "Payment for Engineering Services" section of this Agreement, Consultant shall perform the work described in the manner provided or required by the following Scope of Services, which is attached to and made a part of this Agreement as Exhibit A, all of said services to be done in a competent, efficient, timely, good and workmanlike manner and in compliance with all terms and conditions of this Agreement.

Exhibit A Scope of Services

Section 2. Payment for Professional Engineering Services.

1. Basic Fee.

- a. Design Phase Services: The Consultant shall complete the design phase services as described herein for a lump sum fee of \$9,579.09, which is 13.25% of the estimated construction cost (\$72,295) as indicated on the design and construction engineering fee curve provided in Exhibit B of the Agreement for Professional Engineering Services for Public Projects.

- b. Traffic Study: The Consultant shall complete a gap study and perform research on the use of refuge islands and pedestrian beacons, for a lump sum fee of \$4,800.
- c. Construction Phase Services will be awarded at the time of construction award, should it occur.

2. Payment Schedule for Professional Engineering Services Fee.

Consultant shall submit monthly statements for professional engineering services rendered. The statements shall be based on Consultant's estimate of the proportion of the total services actually completed for each task as set forth in Exhibit A at the time of billing. The City shall confirm the correctness of such estimates, and may use the City's own engineer for such purposes. The monthly statements should be accompanied by such properly completed reporting forms and such other evidence of progress as may be required by the City. Upon such confirmation, the City shall pay the amount owed within 30 days.

Final billing under this agreement shall be submitted in a timely manner but not later than three (3) months after completion of the services. Billings for work submitted later than three (3) months after completion of services will not be paid. Final payment will be made upon completion of audit by the City.

3. Payment Schedule for Expenses.

All expenses required to complete the scope of services described herein, including but not limited to costs related to mileage, vehicles, reproduction, computer use, etc., shall be included in the basic fee and shall not be paid separately. However, as compensation for expenses that are not included in the standard scope of services, when incurred in direct connection with the project, and approved by the City, the City shall pay the Consultant its actual cost times a factor of 1.15.

Section 4. Ownership of Plans and Documents; Records.

1. Upon completion or termination of this agreement, all documents prepared by the Consultant, including tracings, drawings, estimates, specifications, field notes, investigations, studies, etc., as instruments of service shall become the property of the City.

2. The City shall make copies, for the use of the Consultant, of all of its maps, records, laboratory tests, or other data pertinent to the work to be performed by the Consultant under this Agreement, and also make available any other maps, records, or other materials available to the City from any other public agency or body.

3. The Consultant shall furnish to the City, copies of all maps, records, field notes, and soil tests that were developed in the course of work for the City and for which compensation has been received by the Consultant.

Section 5. Termination.

1. This Agreement may be terminated by either party upon 7- days' prior written notice to the other party in the event of substantial failure by the other party to fulfill its obligations under this agreement through no fault of the terminating party.

2. This Agreement may be terminated by the City for its convenience upon 90 days' prior written notice to the Consultant.

3. In the event of termination, as provided in this Article, the Consultant shall be paid as compensation in full for services performed to the date of that termination, an amount calculated in accordance with Section 2 of this Agreement. Such amount shall be paid by the City upon the Consultant's delivering or otherwise making available to the City, all data, drawings, specifications, reports, estimates, summaries, and that other information and materials as may have been accumulated by the Consultant in performing the services included in this Agreement, whether completed or in progress.

Section 6. Disclosure.

The Consultant affirms that it has not made or agreed to make any valuable gift whether in the form of service, loan, thing, or promise to any person or any of the person's immediate family, having the duty to recommend, the right to vote upon, or any other direct influence on the selection of consultants to provide professional engineering services to the City within the two years preceding the execution of this Agreement. A campaign contribution, as defined by Michigan law shall not be considered as a valuable gift for the purposes of this Agreement.

Section 7. Insurance Requirements.

1. The Consultant shall maintain at its expense during the term of this Agreement, the following insurance:

- A. Worker's Compensation insurance relative to all Personnel engaged in performing services pursuant to this Agreement, with coverage not less than that required by applicable law.
- B. Comprehensive General Liability insurance with maximum bodily injury limits of \$1,000,000 (One Million Dollars) each occurrence and/or aggregate and minimum Property Damage limits of \$1,000,000 (One Million Dollars) each occurrence and/or aggregate.
- C. Automotive Liability insurance covering all owned, hired, and non-owned vehicles with Personal Protection insurance to comply with the provisions of the Michigan No Fault Insurance Law including Residual Liability insurance with minimum bodily injury limits of \$1,000,000 (One Million Dollars) each occurrence and/or aggregate minimum property damage limits of \$1,000,000 (One Million Dollars) each occurrence and/or aggregate.
- D. The Consultant shall provide proof of Professional Liability coverage in the amount of not less than \$1,000,000 (One Million Dollars) per occurrence and/or aggregate, and Environmental Impairment coverage.

2. The Consultant shall be responsible for payment of all deductibles contained in any insurance required hereunder.

3. If during the term of this Agreement changed conditions or other pertinent factors should in the reasonable judgment of the City render inadequate insurance limits, the Consultant will furnish on demand such additional coverage as may reasonably be required under the circumstances. All such insurance shall be effected at the Consultant's expense, under valid and enforceable policies, issued by the insurers of recognized responsibility which are well-rated by national rating organizations and are acceptable to the City.

4. All policies shall name the Consultant as the insured and shall be accompanied by a commitment from the insurer that such policies shall not be canceled or reduced without at least thirty (30) days prior notice to the City.

With the exception of professional liability, all insurance policies shall name the City of Novi, its officers, agents, and employees as additional insured. Certificates of Insurance evidencing such coverage shall be submitted to Sue Morianti, Purchasing Manager, City of Novi, 45175 West Ten Mile Road, Novi, MI 48375-3024 prior to commencement of performance under this Agreement and at least fifteen (15) days prior to the expiration dates of expiring policies.

5. If any work is sublet in connection with this Agreement, the Consultant shall require each subconsultant to effect and maintain at least the same types and limits of insurance as fixed for the Consultant.

6. The provisions requiring the Consultant to carry said insurance shall not be construed in any manner as waiving or restricting the liability of the Consultant under this Agreement.

Section 8. Indemnity and Hold Harmless.

A. The Consultant agrees to indemnify and hold harmless the City, its elected and appointed officials and employees, from and against any and all claims, demands, suits, losses and settlements, including actual attorney fees incurred and all costs connected therewith, for any damages which may be asserted, claimed or recovered against the City by reason of personal injury, death and/or property damages which arises out of or is in any way connected or associated with the actions or inactions of the Consultant in performing or failing to perform the work.

The Consultant agrees that it is its responsibility and not the responsibility of the City to safeguard the property and materials used in performing this Agreement. Further, this Consultant agrees to hold the City harmless for any loss of such property and materials used pursuant to the Consultant's performance under this Agreement.

Section 9. Nondiscrimination.

The Consultant shall not discriminate against any employee, or applicant for employment because of race, color, sex, age or handicap, religion, ancestry, marital status, national origin,

place of birth, or sexual preference. The Consultant further covenants that it will comply with the Civil Rights Act of 1973, as amended; and the Michigan Civil Rights Act of 1976 (78. Stat. 252 and 1976 PA 4563) and will require a similar covenant on the part of any consultant or subconsultant employed in the performance of this Agreement.

Section 10. Applicable Law.

This Agreement is to be governed by the laws of the State of Michigan and the City of Novi Charter and Ordinances.

Section 11. Approval; No Release.

Approval of the City shall not constitute nor be deemed release of the responsibility and liability of Consultant, its employees, associates, agents and subconsultants for the accuracy and competency of their designs, working drawings, and specifications, or other documents and services; nor shall that approval be deemed to be an assumption of that responsibility by the City for any defect in the designs, working drawings and specifications or other documents prepared by Consultant, its employees, subconsultants, and agents.

After acceptance of final plans and special provisions by the City, Consultant agrees, prior to and during the construction of this project, to perform those engineering services as may be required by City to correct errors or omissions on the original plans prepared by Consultant and to change the original design as required.

Section 12. Compliance With Laws.

This Contract and all of Consultants professional services and practices shall be subject to all applicable state, federal and local laws, rules or regulations, including without limitation, those which apply because the City is a public governmental agency or body. Consultant represents that it is in compliance with all such laws and eligible and qualified to enter into this Agreement.

Section 13. Notices.

Written notices under this Agreement shall be given to the parties at their addresses on page one by personal or registered mail delivery to the attention of the following persons:

City: Rob Hayes, P.E., Director of Public Services and Maryanne
Cornelius, Clerk, with a copy to Thomas R. Schultz, City Attorney

Consultant: David Eno, P.E., Project Manager

Section 14. Waivers.

No waiver of any term or condition of this Agreement shall be binding and effective unless in writing and signed by all parties, with any such waiver being limited to that circumstance only and not applicable to subsequent actions or events.

Section 15. Inspections, Notices, and Remedies Regarding Work.

During the performance of the professional services by Consultant, City shall have the right to inspect the services and its progress to assure that it complies with this Agreement. If such inspections reveal a defect in the work performed or other default in this Agreement, City shall provide Consultant with written notice to correct the defect or default within a specified number of days of the notice. Upon receiving such a notice, Consultant shall correct the specified defects or defaults within the time specified. Upon a failure to do so, the City may terminate this Agreement by written notice and finish the work through whatever method it deems appropriate, with the cost in doing so being a valid claim and charge against Consultant; or, the City may preserve the claims of defects or defaults without termination by written notice to Consultant.

All questions which may arise as to the quality and acceptability of work, the manner of performance and rate of progress of the work, and the interpretation of plans and specifications shall be decided by the City. All questions as to the satisfactory and acceptable fulfillment of the terms of this agreement shall be decided by the City.

Section 16. Delays.

No charges or claims for damages shall be made by the Consultant for delays or hindrances from any cause whatsoever during the progress of any portions of the services specified in this agreement, except as hereinafter provided.

In case of a substantial delay on the part of the City in providing to the Consultant either the necessary information or approval to proceed with the work, resulting, through no fault of the Consultant, in delays of such extent as to require the Consultant to perform its work under changed conditions not contemplated by the parties, the City will consider supplemental compensation limited to increased costs incurred as a direct result of such delays. Any claim for supplemental compensation must be in writing and accompanied by substantiating data.

When delays are caused by circumstances or conditions beyond the control of the Consultant as determined by the City, the Consultant shall be granted an extension of time for such reasonable period as may be mutually agreed upon between the parties, it being understood, however, that the permitting of the Consultant to proceed to complete the services, or any part of them, after the date to which the time of completion may have been extended, shall in no way operate as a waiver on the part of the City of any of its rights herein set forth.

Section 17. Assignment.

No portion of the project work, heretofore defined, shall be sublet, assigned, or otherwise disposed of except as herein provided or with the prior written consent of the City. Consent to sublet, assign, or otherwise dispose of any portion of the services shall not be construed to relieve the Consultant of any responsibility for the fulfillment of this agreement.

Section 18. Dispute Resolution.

The parties agree to try to resolve any disputes as to professional engineering services or otherwise in good faith. In the event that the parties cannot resolve any reasonable dispute, the parties agree to seek alternative dispute resolution methods agreeable to both parties and which

are legally permissive at the time of the dispute. The parties agree to use their best efforts to resolve any good faith dispute within 90 (ninety) days notice to the other party. In the event the parties cannot resolve that dispute as set forth above, they may seek such remedies as may be permitted by law.

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: _____

EXHIBIT A - SCOPE OF SERVICES

Consultant shall provide the City professional engineering services in all phases of the Project to which this Agreement applies as hereinafter provided. These services will include serving as the City's professional engineering representative for the Project, providing professional engineering consultation and advice and furnishing customary civil, structural, mechanical and electrical engineering services and customary engineering services incidental thereto, as described below.

A. Basic Services.

1. See attached.

B. Performance.

1. The Consultant agrees that, immediately upon the execution of this Agreement, it will enter upon the duties prescribed in this agreement, proceed with the work continuously, and make the various submittals on or before the dates specified in the attached schedule. The City is not liable and will not pay the Consultant for any services rendered before written authorization is received by the Consultant.
2. The Consultant shall submit, and the City shall review and approve a timeline for submission of plans and/or the completion of any other work required pursuant to this Scope of Services. The Consultant shall use its best efforts to comply with the schedule approved by the City.
3. If any delay is caused to the Consultant by order of the City to change the design or plans; or by failure of the city to designate right-of-way, or to supply or cause to be supplied any data not otherwise available to the Consultant that is required in performing the work described; or by other delays due to causes entirely beyond the control of the Consultant; then, in that event, the time schedules will be adjusted equitably in writing, as mutually agreed between the City and the Consultant at the moment a cause for delay occurs.
4. Since the work of the Consultant must be coordinated with the activities of the City (including firms employed by and governmental agencies and subdivisions working with the City), the Consultant shall advise the City in advance, of all meetings and conferences between the Consultant and any party, governmental agency, political subdivision, or third party which is necessary to the performance of the work of the Consultant.



**City of Novi
Beck Road Pedestrian Crossing
Project Scope**

November 15, 2013

Per our discussions, Spalding DeDecker Associates, Inc. (SDA) is pleased to submit our understanding and scope of services for the Beck Road Pedestrian Crossing project.

Overview and Understanding of Requested Services

The proposed project includes performing an evaluation (study) of the proposed crossing location, safety enhancement options, and design and construction of a new mid-block pedestrian crossing located on Beck Road north of Nine Mile Road in the vicinity of Cheltenham Drive. The proposed major work items include:

- Reconstruction of a portion of pathway on the west side of Beck Road north of Cheltenham to facilitate a pedestrian landing area
- Placing sidewalk ramps on the east and west sides of Beck Road
- If supported by the results of the evaluation, construction of a pedestrian refuge island in Beck Road and associated pavement widening, and/or installation of a Rectangular Rapid Flash Beacon (RRFB) sign system
- Placement of appropriate advanced signing and pavement marking

An evaluation of the proposed crossing location will be performed by SDA which will include the following tasks:

- A directional gap study of before and after school hours to evaluate traffic characteristics and available gaps for pedestrian crossing
- Research into the implications of placing a pedestrian refuge island in Beck Road at this location (if supported by the gap study)
- An evaluation of existing sites where RRFB signs have been installed, research into pre- and post-installation pedestrian and traffic conflicts, and discussions with engineering authorities where the systems have been installed
- Presentation of findings to City Engineering staff

If a pedestrian refuge island is warranted, the east side of Beck will need to be widened to facilitate the through-lane traffic shifts. This can be accomplished by paving the “gaps” in the existing passing flares from Sunnybrook to south of Cheltenham, and from north of Cheltenham to White Pines Drive.

An RRFB sign system is a pair of signs with solar-powered high-visibility strobes which flash in an irregular pattern when activated by a push button. Both signs flash when one is activated, with the communication between the signs via radio link. They are completely stand-alone with no external wiring or power source needed. Additional information on the RRFB sign system and pedestrian islands, prepared by the Federal Highway Administration (FHWA), can be found at the following link:

<http://safety.fhwa.dot.gov/intersection/resources/techsum/fhwasa09009/>



Proposed Scope of Services

SDA will initially perform the field services for the study, as well as a topographic survey which is required to lay out potential options and eventually construction plans. SDA performed design services for the rehabilitation of Beck Road from Nine Mile to Cheltenham in 2010, so a portion of the topographic survey required is already available but some additional survey will be needed north of Cheltenham. Geotechnical information obtained with the 2006 scoping of Beck Road will be utilized in the design so additional borings are not needed. SDA's scope will include:

Study / Design Phase Services

- Performing a field evaluation and study of the proposed location for implementation of a crossing, pedestrian refuge islands, and an RRFB sign system.
- Perform a topographical survey of Beck Road and adjacent sidewalks and swales / ditches from Cheltenham north through White Pines Drive to supplement existing survey information.
- Preliminary Plans – Plans will be prepared showing existing and proposed typical cross sections; plan view of the proposed work; and permanent signing and pavement marking layout.
- Plan Review – Plans will be submitted to the City at approximately 30% and again at 75% completion, for review and comments.
- Final Plan Preparation – Plans and specifications / contract documents will be finalized and prepared for advertising.
- Bidding Phase – The City will place an advertisement, and plans will be made available by SDA for potential bidders. SDA will respond to contractor inquiries and issue any required addendum.
- Bid Opening and Award – SDA will review submitted bids, prepare bid tabulations, review references, and recommend award.
- Compile contract books for execution – includes obtaining bonds, insurance information, and warranty documents.

Construction Phase Services

After the contracts have been awarded by Council, SDA will begin construction phase services which will include:

- Pre-construction meeting – the scope and schedule will be reviewed with the Contractor.
- Construction Observation – SDA will provide full-time construction observation for the project.
- Materials Testing – prior to project award, SDA will solicit quotes from three materials testing firms. The firm offering the best value to the City will be recommended for award and contracted directly with the City. SDA will direct the materials testing firm on behalf of the City.
- Construction Administration – SDA will provide office administration of the project, reviewing shop drawings, material testing reports, mix designs, etc. as well as reviewing payment requests.



- Project Closeout – Following the major contractor operations, SDA will prepare a preliminary punch-list, lead a final walk-through with the City and generate a final punch-list, and recommend final payment and contract close-out when all work is completed.

Construction Cost Estimate and Proposed Fees

The study phase of the project does not follow a fee table, and is presented as a lump sum to perform the study, with major tasks which are expected to take the following effort:

<u>Task</u>	<u>Hours</u>
Gap study (2-person field review)	16
Research of RRFB and refuge island use	8
Report generation and presentation	16
Total:	40

The proposed fee to perform the study phase is \$4,800.

Based on our pre-qualification status with the City, engineering design and construction engineering fees are based on a percentage of the pre-design construction cost estimate. The fee percentage used depends on the type of services to be provided based on the proposed work. For the design and plan preparation of the pedestrian crossing, the rates for “non-motorized” projects will be followed.

For this project, the actual extent of the design phase services is not known pending the outcome of the study. However, SDA was requested to estimate the project assuming that the maximum potential improvements are implemented. Please refer to the attached construction estimate fee summary on the following pages.

The proposed engineering fee to design the pedestrian crossing improvements is \$9,580. If the actual design phase services are less than assumed here based on the study outcome, we will adjust our fee accordingly with direction from the City.

The total proposed study and design fees for the project are \$14,380.

Schedule

SDA proposes to have the field work (gap observations and survey) completed within three weeks of being notified to proceed, and the study completed within five weeks. Following the presentation of the study results, and approval to proceed with the selected design alternates, SDA will commence the remaining design phase services which will take approximately three weeks.

Project advertising and bidding should be completed in time for a May 2014 construction start, or as desired by the City.

We appreciate the opportunity to again work with the City of Novi in improving the safety for all users of your road and pathway assets. As always we will strive for cost-effective



solutions in developing plans which present the best value for the short-term implementation and long-term use of the cross walk, while improving safety to the maximum amount possible based on the funding available.

Sincerely,

A handwritten signature in black ink, appearing to read 'David P. Eno'.

David P. Eno, P.E. – Transportation Project Manager
Spalding DeDecker Associates, Inc. (SDA)



Beck Road Pedestrian Crossing
OPINION OF PROBABLE PROJECT COST

PROJECT: Beck Road Pedestrian Crossing
CLIENT: City of Novi
PREPARED BY: D. Eno

PROJECT NO: PR12-005
SAD NO: N/A
DATE: 11/14/2013

I	CONSTRUCTION				
	A	Construction Cost (Engineer's Estimate)		\$72,295.00	
	B	Contingency (10%)		\$7,230.00	
		TOTAL ESTIMATED CONSTRUCTION COST		\$79,525.00	
II	ENGINEERING				
	C	Design Engineering (Pathway Services)	13.25%	of Engineer's Estimate	\$9,580.00
	D	Construction Administration (future services)	8.20%	of estimated construction	\$5,930.00
	E	Inspection Days (Bid by Contractor)	10	Days	\$640.00
		TOTAL ESTIMATED ENGINEERING COST			21,910.00
		OPINION OF PROBABLE TOTAL PROJECT COST (CONSTRUCTION & ENGINEERING)			101,435.00



SPALDING DEDECKER ASSOCIATES, INC.

905 South Boulevard East • Rochester Hills • Michigan 48307 • Tel 248 844 5400 • Fax 248 844 5404

Beck Road Pedestrian Crossing
Pre-Design Construction Cost Estimate

PROJECT: Beck Road Pedestrian Crossing

CLIENT: City of Novi

PREPARED BY: D. Eno

WORK: Installation of pedestrian refuge island and RRFB beacon sign system on Beck Rd near Cheltenham Drive

PROJECT NO: PR12-005

SAD NO: N/A

DATE: 11/15/2013

ITEM	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)
Mobilization (10% max.)	1	LS	6,580.00	6,580.00
Pre-Construction Audio/Visual DVD Coverage	1	LS	1,500.00	1,500.00
Soil Erosion and Sedimentation Control Measures	1	LS	2,000.00	2,000.00
Maintaining Traffic	1	LS	5,000.00	5,000.00
Pavement Remove	157	SYD	20.00	3,140.00
Curb and Gutter, Rem	8	FT	20.00	160.00
Excavation, Earth	80	CYD	10.00	800.00
Aggregate Base, 6 inch	630	SYD	8.00	5,040.00
HMA, 4C	200	TON	85.00	17,000.00
Conc Pavt, Misc, 8 inch	25	SYD	75.00	1,875.00
Sidewalk, Conc, 4 inch	1,500	SFT	4.50	6,750.00
Sidewalk Ramp, Conc, 6 inch	120	SFT	10.00	1,200.00
Detectable Warning Surface	20	FT	15.00	300.00
Rectangular Rapid Flash Beacon Sign System	1	LS	13,000.00	13,000.00
Permanent Signing	1	LS	1,200.00	1,200.00
Permanent Pavement Marking	1	LS	3,000.00	3,000.00
Ditching	350	FT	5.00	1,750.00
Restoration	400	SYD	5.00	2,000.00

OPINION OF PROBABLE CONSTRUCTION COST **\$72,295.00**

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.