



# CITY of NOVI CITY COUNCIL

**Agenda Item M**  
**July 2, 2012**

**SUBJECT:** Approval to award a contract for design engineering services for the Novi Road (Nine Mile Road to Ten Mile Road) Pathway Gap and 2013 ADA Compliance Program to Spalding DeDecker Associates, Inc. for a design fee of \$28,787.

**SUBMITTING DEPARTMENT:** Department of Public Services, Engineering Division <sup>124</sup> *BIC*

**CITY MANAGER APPROVAL:** *[Signature]*

<b>EXPENDITURE REQUIRED</b>	<b>\$ 25,287 Novi Road Pathway</b> <b>\$ 3,500 2013 ADA Compliance Program</b> <b>\$ 28,787 TOTAL</b>
<b>AMOUNT BUDGETED</b>	<b>\$190,554 Novi Road Pathway</b> <b>\$ 50,000 2013 ADA Compliance Program</b> <b>\$240,554 TOTAL</b>
<b>LINE ITEM NUMBER</b>	<b>204-204.00-974.431 Novi Road Pathway</b> <b>204-204.00-805.003 2013 ADA Program</b>

**BACKGROUND INFORMATION:**

The project includes the construction of 1,800 feet of 6-foot wide concrete pathway to fill three gaps along the west side of Novi Road between Nine Mile Road and Ten Mile Road, identified as segment 92 in the *Pathway and Sidewalk Prioritization Analysis and Process*. A location map has been included for reference.

This project also includes the second year of the Americans with Disabilities Act (ADA) Compliance Implementation as recommended by the ADA Compliance Transition Plan as adopted in March 2011 and funded in the 2012-13 fiscal year CIP. The ADA Compliance Transition Plan provides a long-term plan for bringing the City's public sidewalks and other related facilities into compliance with ADA requirements. This annual program addresses high priority areas (e.g., high pedestrian usage, and areas where pathway barriers exist). Initial discussions with the Community Development Department indicate that improving this segment of pathway along Novi Road between Nine Mile and Ten Mile would be appropriate for this year's program. Spalding DeDecker Associates (SDA) will assist staff to develop the final construction scope for this project as part of the design phase.

The two projects are being combined for engineering and construction in order to potentially obtain cost savings typically realized on larger projects.

SDA's 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 \$28,787.46 (10.0% of the estimated construction cost of \$222,874.58), plus \$6,500 for the additional design associated with the drain crossing and the additional survey. The construction phase engineering fees will be awarded at the time of construction award

and will be based on the contractor's bid price and the fee percentage established in the Agreement for Professional Engineering Services for Public Projects. A draft of the Supplemental Professional Engineering Services Agreement for this project is enclosed and includes the project scope and estimate.

The project requires easements from three property owners and will require permits for crossing Chapman Creek and associated flood plain. It is anticipated that the project would be ready for construction in summer 2013.

**RECOMMENDED ACTION:** Approval to award a contract for design engineering services for the Novi Road (Nine Mile Road to Ten Mile Road) Pathway Gap and 2013 ADA Compliance Program to Spalding DeDecker Associates, Inc. for a design fee of \$28,787.

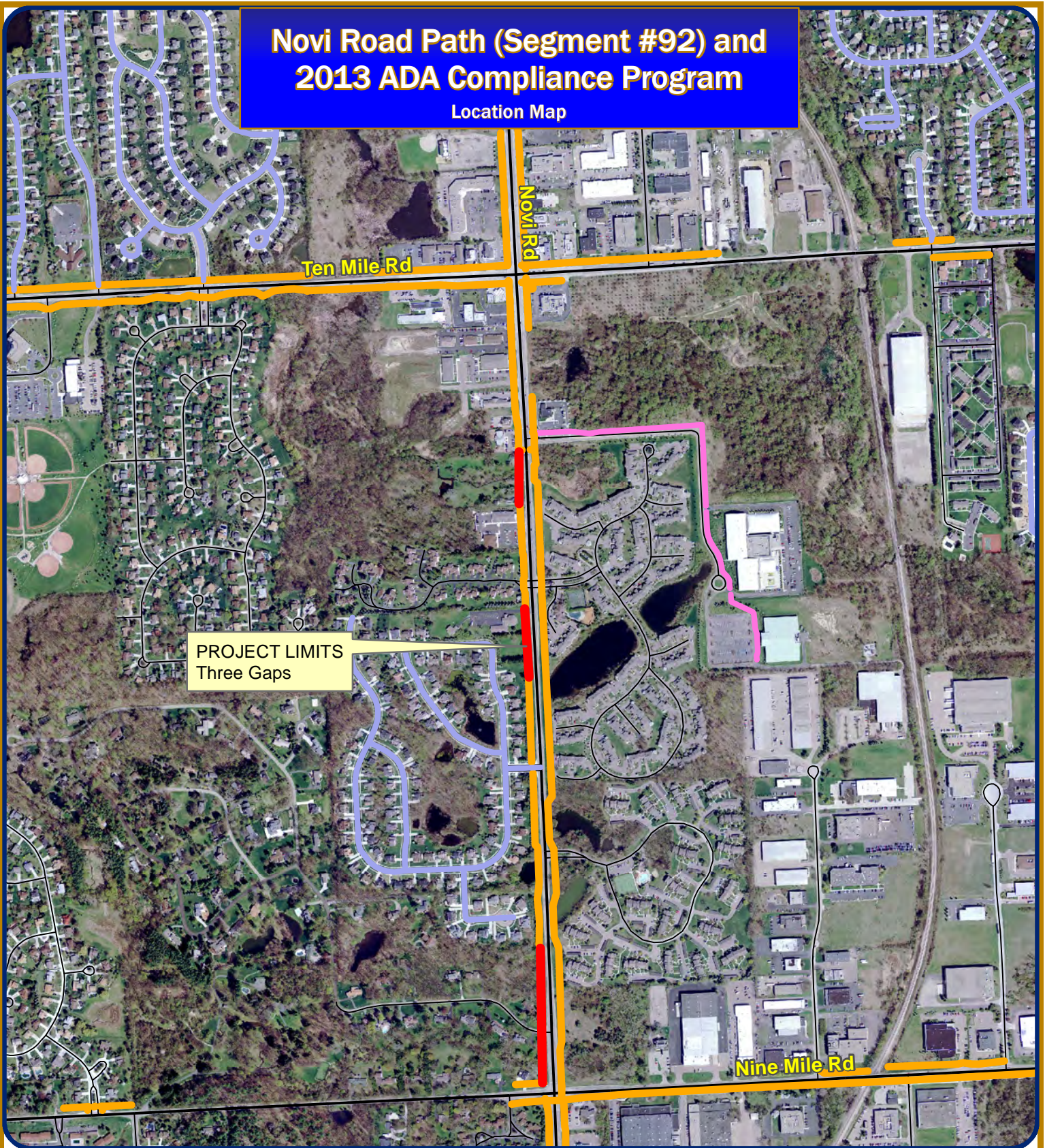
	1	2	Y	N
<b>Mayor Gatt</b>				
<b>Mayor Pro Tem Staudt</b>				
<b>Council Member Casey</b>				
<b>Council Member Fischer</b>				

	1	2	Y	N
<b>Council Member Margolis</b>				
<b>Council Member Mutch</b>				
<b>Council Member Wrobel</b>				



# Novi Road Path (Segment #92) and 2013 ADA Compliance Program

Location Map



Map Author: Croy  
Date: 6/21/12  
Project: Novi Path/2013 ADA  
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 132 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.



1 inch = 840 feet



City of Novi

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



**SUPPLEMENTAL PROFESSIONAL ENGINEERING SERVICES AGREEMENT**

**NOVI ROAD PATHWAY (NINE TO TEN MILE) AND  
2013 ADA COMPLIANCE PROGRAM**

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 September 24, 2009.

The project includes the design and the preparation of plans and specifications for the Novi Road Pathway, and the 2013 Americans with Disabilities Act (ADA) Compliance Implementation Program.

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 \$22,287.46, which is 10.00% of the estimated construction cost (\$222,874) 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. Additional Design Services: The Consultant shall complete the additional design for the Novi Road Pathway related to the Chapman Drain crossing and the additional survey required for the heavy brush area north of Cottisford Road for a lump sum fee of \$6,500.
- 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: Maria Sedki, 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: Maria Sedki, P.E.  
Its: Project Manager

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.**

[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  
Novi Rd Pathway (Nine to Ten Mile) and 2013 ADA Compliance Program  
Project Scope**

Per our site visit on Friday, June 15, 2012, Spalding DeDecker Associates, Inc. (SDA) proposes to design the following 6' wide concrete sidewalk to fill in three gaps on the west side of Novi Road between 9 Mile Road and 10 Mile Road, including a short segment of wooden boardwalk at the Chapman Creek Drain crossing.

The northern gap of the project is between 23675 Novi and 23777 Novi, which are both residential properties. The middle gap is in front of 24355 Novi, which is Orchard Hills Baptist Church. The southern gap is from Nine Mile Road to approximately 1,000' north.

This project will also include the Novi 2012-13 ADA Compliance program at intersections to be determined by the City at a future date.

SDA's scope will include:

Northern Gap

- SDA will perform a topographical survey from the western edge of Novi Road to approximately 60' west across the segment. This survey will include all features including the drain crossings and existing utilities. Trees larger than 8" in diameter will also be surveyed.
- Soil borings and geotechnical investigation will be required for the area of the boardwalk as part of this project. Soil borings and geotechnical investigation are not included in our estimate and will be paid for separately by the City.
- SDA will be required to perform additional design work to clean the drain and redesign and spillways, the culverts, and surrounding grades.
- It is assumed that the City of Novi will research if a septic field or other buried facilities exist on the north side of the drain next to the PVC riser.
- It is assumed that SDA will not perform any work on the culvert or the drain on the east side of Novi Road as part of this scope.
- SDA will prepare 30% plans for the City to review.
- SDA will then prepare 50% plans and acquire, on behalf of the City, the necessary MDEQ wetland permit.
- SDA will prepare 75% plans and specifications and submit to the City for final review
- SDA will assist the City during the bidding process as needed.
- During construction, SDA will perform the construction administration and inspection and submit final record drawings in accordance with the City of Novi requirements.
- Material Testing will be minimal for this project and would include soil testing for the boardwalk and concrete walk installation. Material Testing is not included in our estimate and if needed will be paid for separately by the City.



#### Middle Gap

- SDA will perform a topographical survey from the western edge of Novi Road to approximately 60' west across the segment. This survey will include all features including the trees larger than 8" in diameter and existing utilities.
- No Soil borings or geotechnical investigation is required for this section at this time.
- SDA will prepare 30% plans for the City to review.
- SDA will then prepare 50% plans
- SDA will prepare 75% plans and specifications and submit to the City for final review
- SDA will assist the City during the bidding process as needed.
- During construction, SDA will perform the construction administration and inspection and submit final record drawings in accordance with the City of Novi requirements.
- Material Testing will be minimal for this project and would include soil testing for the boardwalk and concrete walk installation. Material Testing is not included in our estimate and if needed will be paid for separately by the City.

#### South Gap

- SDA will perform a topographical survey from the western edge of Novi Road to approximately 60' west, north of Cottisford and up to the ROW line south of Cottisford. This survey will include all features including the drain crossings and existing utilities. Trees larger than 8" in diameter will also be surveyed.
- It is assumed that the City will provide assistance for the survey of the area north of Cottisford by providing brush clearing services to remove the heavy brush in the area.
- No Soil borings or geotechnical investigation is required for this section at this time. At this time, it is assumed that a concrete pathway can be placed to the north of Cottisford and that no boardwalk is required.
- SDA will prepare 30% plans for the City to review.
- SDA will then prepare 50% plans and acquire, on behalf of the City, the necessary MDEQ wetland permit.
- SDA will prepare 75% plans and specifications and submit to the City for final review
- SDA will assist the City during the bidding process as needed.
- During construction, SDA will perform the construction administration and inspection and submit final record drawings in accordance with the City of Novi requirements.
- Material Testing will be minimal for this project and would include soil testing for the boardwalk and concrete walk installation. Material Testing is not included in our estimate and if needed will be paid for separately by the City.

#### ADA Ramps

- It is assumed that the City will provide information on the intersections to be designed at a future date.



Additional Services

SDA believes that the following two tasks are required to complete the work described above but are beyond the standard scope of work for pathways and sidewalk design:

- The upgrades to the drain and associated spillways and culverts in the North Gap.
- The topographical survey of the wooded area north of Cottisford in the South Gap

Schedule

SDA will perform the scope of work in accordance with the SAD schedule as follows:

- 50% Plans will be submitted to the City on 10/15/12
- 75% Plans and Specifications submitted to the City on 12/15/12
- 100% Bidding Documents submitted to the City on 2/1/13





**Novi Rd Pathway (Nine to Ten Mile) and 2013 ADA Compliance Program**  
**OPINION OF PROBABLE PROJECT COST**

PROJECT NAME: Novi Rd Pathway (Nine to Ten Mile) and 2013 ADA Compliance Program  
CLIENT NAME: City of Novi  
PREPARED BY: T. Lindow

PROJECT NO: Pr12-005  
SAD NO: N/A  
DATE: 6/21/2012

CHECKED BY: M. Sedki

<b>I</b>	<b>CONSTRUCTION</b>						
	A	Pathways & ADA Ramps (Engineer's Estimate)					\$222,874.58
	B	Contingency (10%)					\$22,287.46
		<b>TOTAL ESTIMATED CONSTRUCTION COST</b>					<b>\$245,162.03</b>
<b>II</b>	<b>ENGINEERING</b>						
	C	Design Engineering	10.00%				\$22,287.46
	D	Additional Design & Survey Fees					\$6,500.00
	E	Construction Administration	6.50%				\$14,486.85
	F	Inspection Days	45	Days	\$615.00		\$27,675.00
		<b>TOTAL ESTIMATED ENGINEERING COST</b>					<b>70,949.30</b>
		<b>OPINION OF PROBABLE COST (CONSTRUCTION &amp; ENGINEERING)</b>					<b>316,111.34</b>



SPALDING DEDECKER ASSOCIATES, INC.

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

**Novi Rd Pathway (Nine to Ten Mile) and 2013 ADA Compliance Program**  
**OPINION OF PROBABLE CONSTRUCTION COST**

PROJECT NAME: Novi Rd Pathway (Nine to Ten Mile) and 2013 ADA Compliance Program  
 CLIENT NAME: City of Novi  
 PREPARED BY: T. Lindow

PROJECT NO: Pr12-005  
 SAD NO: N/A  
 DATE: 6/21/2012

CHECKED BY: M. Sedki

NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>Northern Gap</b>					
1	Bonds, Insurance & Initial Set-up Expense (3% max)	1	LS	\$1,973.18	\$1,973.18
2	Permit Allowance	1	LS	\$750.00	\$750.00
3	Pre Construction Audio/Visual DVD Coverage	1	LS	\$1,500.00	\$1,500.00
4	Soil Erosion and Sedimentation Control Measures	1	LS	\$2,500.00	\$2,500.00
5	Temporary Traffic Control Devices	1	LS	\$5,000.00	\$5,000.00
6	Clearing and Grubbing	4	STA	\$400.00	\$1,400.00
7	Remove Tree, (8"-18")	1	EA	\$500.00	\$500.00
8	Remove Concrete Spillway	1	EA	\$1,000.00	\$1,000.00
9	Remove Concrete Sidewalk	75	SF	\$50.00	\$3,750.00
10	Remove Asphalt Sidewalk	80	SF	\$50.00	\$4,000.00
11	Pathway Grading	4	STA	\$400.00	\$1,400.00
12	Undercut Excavation (As Needed)	50	CY	\$25.00	\$1,250.00
13	8" Perforated Underdrain In Gravel trench	350	LF	\$20.00	\$7,000.00
14	Aggregate Base, 6" Limestone	300	SY	\$8.00	\$2,400.00
15	Concrete Spillway	1	EA	\$2,000.00	\$2,000.00
16	Rip-rap Spillway	25	SY	\$40.00	\$1,000.00
17	4" Concrete Sidewalk	2,200	SF	\$5.00	\$11,000.00
18	6" Concrete Sidewalk	175	SF	\$6.50	\$1,137.50
19	ADA Ramp – 6" Concrete	80	SF	\$7.00	\$560.00
20	ADA Detectable Warning Plate	26	SF	\$25.00	\$650.00
21	Wooden Boardwalk, Complete	450	SF	\$30.00	\$13,500.00
22	Mulch Blanket	50	SY	\$4.50	\$225.00
23	Wetland Edge Seed Mix and Biodegradable Mulch	50	SY	\$5.00	\$250.00
24	Restoration	1	LS	\$3,000.00	\$3,000.00
				<b>SUBTOTAL - NORTHERN GAP</b>	<b>\$67,745.68</b>
<b>Middle Gap</b>					
25	Bonds, Insurance & Initial Set-up Expense (3% max)	1	LS	\$1,000.28	\$1,000.28
26	Permit Allowance	1	LS	\$750.00	\$750.00
27	Pre Construction Audio/Visual DVD Coverage	1	LS	\$1,500.00	\$1,500.00
28	Soil Erosion and Sedimentation Control Measures	1	LS	\$2,500.00	\$2,500.00
29	Temporary Traffic Control Devices	1	LS	\$5,000.00	\$5,000.00
30	Clearing and Grubbing	4	STA	\$400.00	\$1,400.00
31	Remove Tree, (8"-18")	2	EA	\$500.00	\$1,000.00
32	Remove Concrete Sidewalk	25	SF	\$50.00	\$1,250.00
33	Pathway Grading	4	STA	\$400.00	\$1,400.00
34	Undercut Excavation (As Needed)	45	CY	\$25.00	\$1,125.00
35	Aggregate Base, 6" Limestone	275	SY	\$8.00	\$2,200.00
36	4" Concrete Sidewalk	1,980	SF	\$5.00	\$9,900.00
37	6" Concrete Sidewalk	145	SF	\$6.50	\$942.50
38	ADA Ramp – 6" Concrete	75	SF	\$7.00	\$525.00
39	ADA Detectable Warning Plate	24	SF	\$25.00	\$600.00
40	Pavement Markings - Overlay Cold Plastics, 8" Crosswalk	100	LF	\$7.50	\$750.00
41	Restoration	1	LS	\$2,500.00	\$2,500.00
				<b>SUBTOTAL - MIDDLE GAP</b>	<b>\$34,342.78</b>



SPALDING DEDECKER ASSOCIATES, INC.

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

**Novi Rd Pathway (Nine to Ten Mile) and 2013 ADA Compliance Program**  
**OPINION OF PROBABLE CONSTRUCTION COST**

PROJECT NAME: Novi Rd Pathway (Nine to Ten Mile) and 2013 ADA Compliance Program  
 CLIENT NAME: City of Novi  
 PREPARED BY: T. Lindow

PROJECT NO: Pr12-005  
 SAD NO: N/A  
 DATE: 6/21/2012

CHECKED BY: M. Sedki

NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	<b>South Gap</b>				
42	Bonds, Insurance & Initial Set-up Expense (3% max)	1	LS	\$2,498.63	\$2,498.63
43	Permit Allowance	1	LS	\$500.00	\$500.00
44	Pre Construction Audio/Visual DVD Coverage	1	LS	\$2,000.00	\$2,000.00
45	Soil Erosion and Sedimentation Control Measures	1	LS	\$3,500.00	\$3,500.00
46	Temporary Traffic Control Devices	1	LS	\$7,500.00	\$7,500.00
47	Clearing and Grubbing	9	STA	\$650.00	\$5,850.00
48	Remove Tree, (8"-18")	15	EA	\$500.00	\$7,500.00
49	Remove Concrete Curb and Gutter	20	LF	\$100.00	\$2,000.00
50	Adjust Structure	4	EA	\$750.00	\$3,000.00
51	Relocate Guy Wire	2	EA	\$750.00	\$1,500.00
52	Pathway Grading	9	STA	\$400.00	\$3,600.00
53	Undercut Excavation (As Needed)	120	CY	\$25.00	\$3,000.00
54	Embankment, (CIP)	30	CY	\$45.00	\$1,350.00
55	Aggregate Base, 6" Limestone	700	SY	\$8.00	\$5,600.00
56	Concrete Curb and Gutter	20	LF	\$50.00	\$1,000.00
57	4" Concrete Sidewalk	5,310	SF	\$5.00	\$26,550.00
58	ADA Ramp – 6" Concrete	75	SF	\$7.00	\$525.00
59	ADA Detectable Warning Plate	24	SF	\$25.00	\$600.00
60	PVC Pedestrian Railing (3 Rail Fence)	60	LF	\$35.00	\$2,100.00
61	Pavement Markings - Overlay Cold Plastics, 8" Crosswalk	125	LF	\$7.50	\$937.50
62	Mulch Blanket	150	SY	\$4.50	\$675.00
63	Restoration	1	LS	\$4,000.00	\$4,000.00
			<b>SUBTOTAL - SOUTH GAP</b>		<b>\$85,786.13</b>
64	2013 ADA Program				<b>\$35,000.00</b>
<b>OPINION OF PROBABLE CONSTRUCTION COST</b>					<b>\$222,874.58</b>
<i>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.</i>					