



# CITY of NOVI CITY COUNCIL

**Agenda Item E**  
**May 8, 2017**

**SUBJECT:** Approval to award an amendment to the engineering services agreement with AECOM (URS Corporation – Great Lakes) for design engineering services associated with the 2017 Chip Seal Program in the amount of \$20,984.02.

**SUBMITTING DEPARTMENT:** Department of Public Services, Engineering Division GDM

**CITY MANAGER APPROVAL:** 

<b>EXPENDITURE REQUIRED</b>	<b>\$ 20,984.02</b>
<b>AMOUNT BUDGETED</b>	<b>\$ 79,019.00</b>
<b>LINE ITEM NUMBER</b>	<b>203-203.00-870.017</b>

## BACKGROUND INFORMATION:

As part of the City's ongoing asset management approach to maintaining roads, a report that evaluated the City's 6.7 miles of streets that have a chip sealed surface treatment was completed in 2013. Chip sealing is the application of an asphalt emulsion to seal the road's surface, followed by placement and compaction of small diameter crushed gravel. Due to budgetary constraints the remaining roads in the program will be divided between FY 2017-18 and FY 2018-19. AECOM has been retained as the engineering consultants for the 2017 Chip Seal Program and have provided the City with a scope of services and estimate (map and estimate attached)

The scope of the 2017 Chip Seal Program includes capital preventative maintenance, such as drainage improvements, base repair and new chip seal on the following streets:

- Twelve ½ Mile Rd
- Dixon Rd
- Amis Ave
- Faywood St
- Lebenta St
- North Haven Dr
- Rexton St

The attached *Design Engineering Services* proposal, as executed by AECOM in the amount of \$20,984.02 outlines the scope of services in more detail. The design fee rate per the Exhibit B Fee Curve Schedule (as part of the City's general Engineering Services Contract with AECOM is 8.00% of the construction cost.

The Engineering Division has reviewed the scope of services proposal and recommends approval.

**RECOMMENDED ACTION:** Approval to award an amendment to the engineering services agreement with AECOM (URS Corporation – Great Lakes) for design engineering services associated with the 2017 Chip Seal Program in the amount of \$20,984.02.

# 2017 Chip Seal Program

## Location Map



Map Author: J. Mathias  
Date: 4/17/17

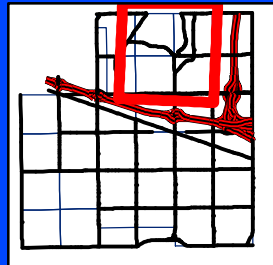
Amended By:  
Date:  
Department:

### 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.

### Legend

 Chip Seal Candidates



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



1 inch = 1,667 feet





April 19, 2017

Mr. Aaron Staup  
City of Novi  
Field Services Complex  
26300 Lee Begole Drive  
Novi, MI 48375

**Reference: Proposal for Engineering Services  
2017 Chip Seal Program**

Dear Mr. Staup,

AECOM is pleased to submit this proposal for the above referenced project. We understand that the project includes the placing chip seals on seven roadways, including:

- Twelve ½ Mile Road
- Dixon Road
- Amis Avenue
- Faywood Street
- Lebenta Street
- North Haven Drive
- Rexton Street

Twelve ½ Road and Dixon Road will receive 1.5 inches of HMA prior the chip sealing.

A Summary Estimate which includes all of the roadways is attached.

#### **Initial Meeting and Scope Verification**

The intent of this task is to meet with the City and verify the limits and scope of work for the project. The scope, schedule, and budget for the project. The need for drainage improvements be identified and discussed at the meeting. Upon completion of this task, we will move forward with the surveying and preliminary design.

#### **Survey and Base Plans**

The intent of this task is to provide topographic survey and base mapping as needed for the proposed design work. We anticipate that a field surveys will not be required for the project. Base drawings will be created using the aerial photos and a detailed field review of the sites.

AECOM will prepare base plans (30%-40% complete) to identify the major design features. Base plans will include the results of the survey information, utility information, and a preliminary estimate.

#### **Preliminary Plans**

Incorporating the information obtained from the above tasks, we will prepare the preliminary plan set (90%) in accordance with City requirements. This submittal will include items such as the typical cross sections, materials/quantities and details. A Project Manual and preliminary updated cost estimate will also be prepared and submitted.



Mr. Aaron Staup  
April 19, 2017  
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### Final Plans and Proposal

Incorporating comments from the City, AECOM will develop the final plans submittal, including the plan set, Project Manual, and cost estimate.

### Advertising and Award

We will respond to any final comments received from the City and submit the Advertisement for Bids to the City for publication. Contract Documents will be made available to bidders by AECOM. AECOM will respond to bidder inquiries during the advertising period and prepare addenda as required. Following the bid opening AECOM will submit the Bid Tabulation and a letter with recommendations regarding contract award

### Construction

AECOM will provide full time inspection, contract administration, and staking as required for the project.

### Schedule

We anticipate that the following schedule can be maintained:

Notice To Proceed with Design	May 8, 2017
Preliminary Plans Submittal	June 2, 2017
Final Plans Submittal	June 30, 2017
Advertise for Bids	July 10, 2017
Open Bids	August 03, 2017
Contract Award	August 14, 2017
Begin Construction	Late August 2017
End Construction	Early September, 2017

### Estimated Cost of Construction and Design Fees

The construction cost is estimated to be \$262,300.24

Design fee based up the Novi Rate Chart is 8.00% of Construction Cost.

$$262,300.24 \times 8.0\% = \$20,984.02$$

We understand that fees for construction phase services will be determined after a construction contract is awarded.

Please contact me if you have any questions or wish to discuss this submittal.

Sincerely,

AECOM Great Lakes, Inc.

Sean Kelsch, PE  
Vice-President

**City of Novi**  
**2017 Chip Seal Cost Summary**  
**Preliminary Estimate of Cost**  
**4/17/2017**

Item No.	Item Description	Unit	Quantity	Unit Price	Total Cost
1	Mobilization (10%)	LS	1	21,677.71	\$ 21,677.71
2	Maintaining Traffic	LS	1	\$ 13,440.00	\$ 13,440.00
3	Erosion Control, Silt Fence	LF	200	\$ 5.25	\$ 1,050.00
4	Shoulder, CI II	TON	150	\$ 63.00	\$ 9,450.00
5	Dr. Structure Cover, Adj, Case 2	EA	5	\$ 1,522.50	\$ 7,612.50
6	Point-Up Drainage Structure	EA	5	\$ 157.50	\$ 787.50
7	Seal, Single Chip	SY	15987	\$ 2.36	\$ 37,768.80
8	Seal, Single Chip, Patching	SY	6327	\$ 2.36	\$ 14,947.19
9	Seal, Fog	SY	15987	\$ 0.58	\$ 9,232.37
10	Spray Patch	TON	25	\$ 405.00	\$ 10,125.00
11	Hand Patch	TON	45	\$ 325.00	\$ 14,625.00
12	Skim Coat (1.5")	TON	916	\$ 100.00	\$ 91,648.70
13	Ditching	LF	100	\$ 42.00	\$ 4,200.00
14	Stop Bar, 24-inch, Cold Plastic	LF	72	\$ 26.25	\$ 1,890.00
	Subtotal Construction Items				\$ 238,454.77
	Miscellaneous Items (10%)				\$ 23,845.48
	<b>Total Construction Cost</b>				<b>\$ 262,300.24</b>
	Geotechnical Investigation (0%)	LS			\$ -
	Design Engineering (8.0%)	LS			\$ 20,984.02
	Contract Administration (5.5%)	LS			\$ 14,426.51
	Crew Days	Day	20	\$ 640.00	\$ 12,800.00
	Material Testing (0%)	LS			\$ -
	<b>Total</b>				<b>\$ 48,210.53</b>
	<b>Combined Total Project Estimate</b>				<b>\$ 310,510.77</b>

Estimate Assumptions:

A quantity has not been included for geotechnical testing based on past projects.

12 1/2 Mile and Dixon will need to be graded 2 weeks prior to starting work.

If Maintenance cannot grade the roads, an item will need to be added.

Maintaining Traffic, Silt Fence, Shoulder, and Stop Bar are estimates for the entire project and are not broken out by individual road.

**SUPPLEMENTAL PROFESSIONAL ENGINEERING SERVICES AGREEMENT**

**2017 CHIP SEAL 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 URS Corporation – Great Lakes., whose address is 27777 Franklin Road, Suite 2000, Southfield, MI 48034, 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 2017 Chip Seal 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 manner and in compliance with applicable standards of professional care and 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 \$20,984.02, which is 8.0% of the estimated construction cost (\$262,300.24) 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. 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. Any reuse of such documents prepared by the Consultant by the City on any other project without the written authorization of the Consultant shall be at the City's sole risk.

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 claim 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. With the exception of professional liability, all policies shall name the Consultant as the insured and shall be accompanied by an endorsement 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 and endorsements 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 thirty (30) days written notice of cancellation by the insurer of any required coverage.

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.

7. Coverage under the general and auto liability policies shall be considered to be the primary coverage rather than any policies and insurance or self-insurance retention owned or maintained by the City of Novi. This coverage shall be primary to the Additional Insureds, and not contributing with any other insurance or similar protection available to the Additional Insureds, whether other available coverage is primary, contributing or excess.

#### **Section 8. Indemnity and Hold Harmless.**

The Consultant agrees to hold harmless and indemnify the City, its officers, agents, employees from and against all claims, demands, suits liability, losses, damages or costs (including reasonable attorney fees and costs) to the extent arising out, of or resulting from the Consultant's tortious or negligent acts, errors, or omissions in performing this Agreement.

The Consultant agrees that it is its responsibility and not the responsibility of the City to safeguard the property and materials used by the Consultant 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: George D. Melistas, Engineering Senior Manager and Cortney  
Hanson, Clerk, with a copy to Thomas R. Schultz, City Attorney

Consultant: Sean Kelsch, P.E., Vice President

**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 reasonable and incremental 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

URS Corporation – Great Lakes

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
By: Sean Kelsch  
Its: Vice President

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.