



## CITY of NOVI CITY COUNCIL

**Agenda Item 1**  
**September 27, 2010**

**SUBJECT:** Approval to award a contract for design engineering services for the repair of the Cranbrooke Drive Bridge to URS Corporation for a not-to-exceed design fee of \$20,500.

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

**CITY MANAGER APPROVAL:** 

<b>EXPENDITURE REQUIRED</b>	<b>\$20,500</b>
<b>AMOUNT BUDGETED</b>	<b>\$248,000 (Included in approved FY10-11 budget)</b>
<b>LINE ITEM NUMBER</b>	<b>204-204.00-865.942</b>

### BACKGROUND INFORMATION:

The Cranbrooke Drive bridge over Ingersol Creek (f/k/a as Courter Ditch) was inspected in November 2008 as required every two years by the state (see report dated November 19, 2008, attached). The inspection revealed that the bridge is in fair to poor condition and requires some rehabilitative maintenance work. The repairs recommended include:

- Repair all delaminated/spalled concrete at each abutment;
- Replace damaged bearings;
- Repair beam ends; and,
- Repair slope paving and stabilize the area with rip rap to prevent future scouring.

It is important to note that the bridge is functional and is not in a condition that requires a closure or presents an immediate hazard to the public.

Engineering staff has submitted an application for funding under MDOT's 2010 Local Bridge Program (a resolution was adopted by City Council June 7, 2010). The total amount requested for the project is \$248,000 which includes \$205,000 for rehabilitative work and \$43,000 for engineering costs. Selected projects will receive 95% funding with a local match of 5% for the 2013 fiscal year; however, there is an option to advance construct the project with City funds now and receive reimbursement later. If awarded the grant, the City would save \$235,600 (\$248,000 less a local match of \$12,400). Grant award announcements are anticipated to occur in November 2010.

The project is included in the approved FY2010-11 Capital Improvement Program. The budgeted funds would be used to advance construct the project in 2011 (with reimbursement in 2013) if a grant is awarded, or to complete the rehabilitation of the bridge in 2011 with no reimbursement if the City does not receive Local Bridge Program funding.

The Agreement for Professional Engineering Services for Public Projects does not contain a fee category for bridge tasks, so a proposal was requested from our three pre-qualified engineering firms. City staff reviewed the proposals and recommended URS be awarded the design engineering for this project. URS's proposal and a summary of the review scoring are attached.

The design fees for this project are \$20,500 (10.0% of the estimated construction cost of \$205,000). 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 in URS' proposal. A draft of the Supplemental Professional Engineering Services Agreement for this project is enclosed and includes the project scope and estimate.

Construction is anticipated to be completed summer or fall 2011, depending on the conditions of the grant if one is awarded.

**RECOMMENDED ACTION:** Approval to award a contract for design engineering services for the repair of the Cranbrooke Drive Bridge to URS Corporation for a not-to-exceed design fee of \$20,500.

	1	2	Y	N
Mayor Landry				
Mayor Pro Tem Gatt				
Council Member Crawford				
Council Member Fischer				

	1	2	Y	N
Council Member Margolis				
Council Member Mutch				
Council Member Staudt				

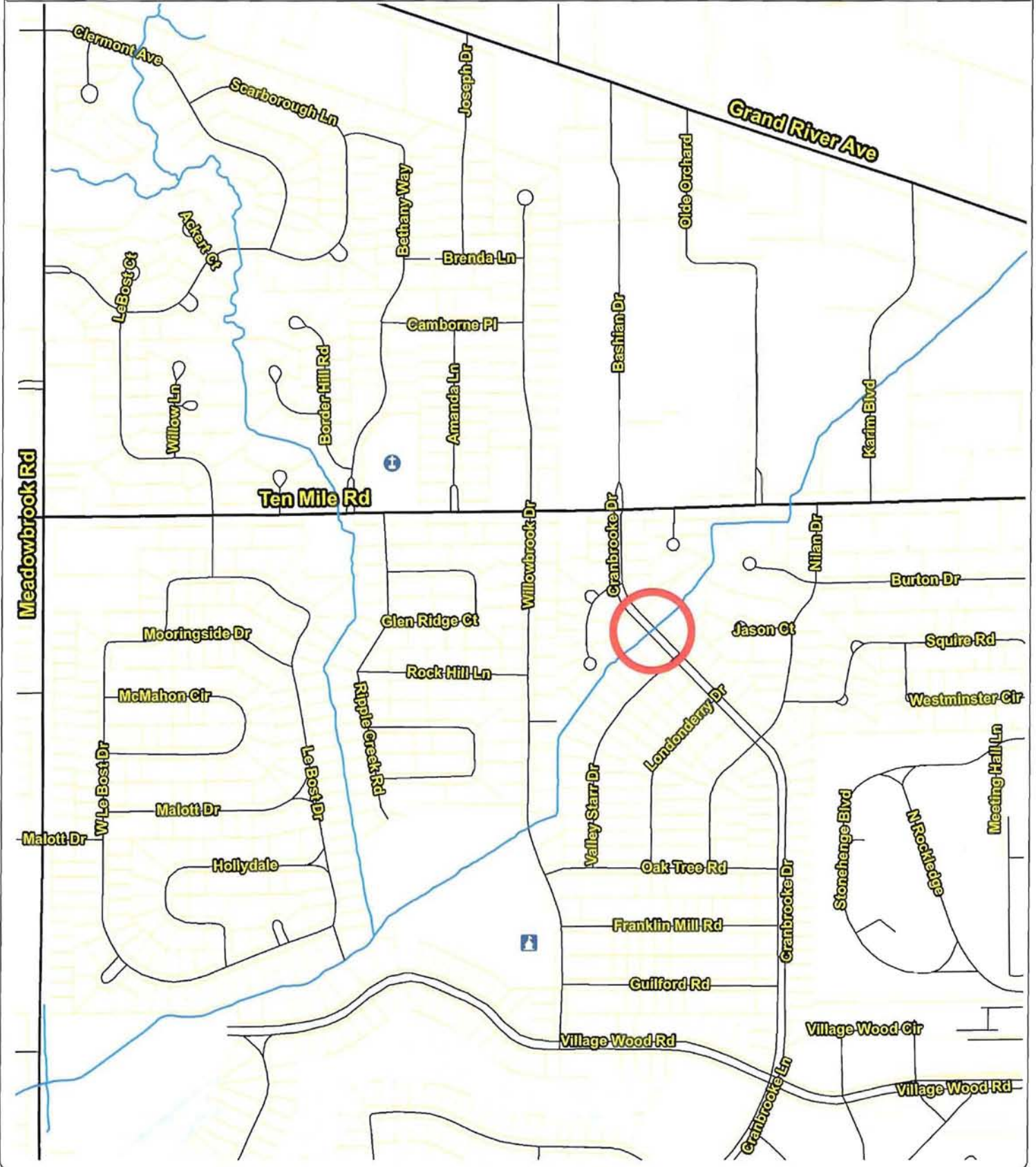
**MAP INTERPRETATION NOTICE**

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.

# City Of Novi



## GRANBROOKE DRIVE BRIDGE Location Map



# Williams & Works

engineers . planners . surveyors *a tradition of service*

November 19, 2008

Mr. William McCusker  
DPW Director  
City of Novi  
26300 Delwal Street  
Novi MI 48375

Re: 2008 Bi-Annual Bridge Inspections-  
Cranbrooke Drive over Courter Ditch

Dear Mr. McCusker:

We have completed our bi-annual inspection of the Cranbrooke Drive structure over Courter Ditch. The enclosed inspection report includes the following items:

- Structure Inventory and Appraisal 1717A form
- Bridge Safety Inspection Report P2502 form
- Level 1 Scour Analysis
- Recommended solutions for identified problems (if any)
- Recommendations for preventative maintenance items (if any)
- Photographs.

In general the structure is in fair to poor condition. The joints between the beams are leaking, with efflorescence present, there are several spalled areas and exposed reinforcement along the top flange of the beams. This is worst at the center joint below the landscaped median of Cranbrook Drive. The toe of the west sidewalk is spalled with exposed reinforcement along nearly the entire length of the walk. The bearing plates are heavily corroded with pack rust evident at the sole plates and the elastomeric pads are cracked and bulging. The bottom of the concrete beams at each bearing is cracked approximately 1" above the bottom of the beam. This deteriorated area extends 6" to 1 ft from the the sole plate of the beam and was observed at each beam end at each abutment. Although no rebar was exposed, it is evident that the concrete bond with the reinforcing bars has been broken.

The abutment seat is delaminated and spalled at several locations along the north abutment. Evidence of heavy water leakage from the backwall is evident along the entire face of both abutments with rust staining and efflorescence present. The existing slope protection has been undermined by scour and has settled and cracked.

# Williams & Works

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In order to correct these problems, the following is recommended:

- Repair all delaminated/spalled concrete at each abutment
- Replace the bearings
- Repair the beam ends
- Repair the existing slope protection and place additional riprap below the bridge to prevent further scour.

One option for repairing the beam ends and bearings is to fully encase the beam ends in concrete.

Recommended preventative maintenance items include:

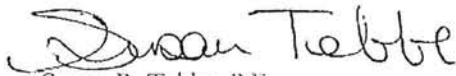
- Seal deck joints. This includes removing the landscaping in the median over the bridge and placing waterproofing on the bridge deck.

No plans detailing the foundation type of the existing bridge are available. For this reason, the SI&A Item 113 - Scour Criticality, has been updated to a code of "U" for unknown foundation type. For this reason, a Level 2 Scour analysis is recommended.

If you should have any questions or require additional information please don't hesitate to call. We appreciate the opportunity to be of service to you and look forward to working with you in the future.

Respectfully submitted,

Williams & Works, Inc.

  
Susan R. Tebbe, P.E.

Encl.

## SUPPLEMENTAL PROFESSIONAL ENGINEERING SERVICES AGREEMENT

### CRANBROOKE DRIVE BRIDGE REPAIR

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 September 24, 2009.

The project includes the design and the preparation of plans and specifications for the repair/rehabilitation of the Cranbrooke Drive Bridge.

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 \$20,500, which is 10.0% of the estimated construction cost (\$205,000) per the September 9, 2010 proposal submitted.
- 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.

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. The retroactive date indicated on the policy shall either be unlimited, or, shall be the date that the Consultant established its initial coverage.

In the event that Consultant is sold or dissolved, Consultant shall provide purchase, at its expense, a "tail" or extended reporting period for the professional liability coverage for a period not less than 5 years.

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 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) arising out, of or resulting from the Consultant's tortious or negligent acts, errors, or omissions in performing this Agreement.

B. The City agrees, to the extent permitted by law, to indemnify and hold harmless the Consultant, its officers, partners, employees, stockholders, and sub-consultants (collectively Consultant) from and against any and all claims, suits, demands, liability, losses, damages or costs, including reasonable attorney's fees and costs arising out of or resulting from the City's tortious or negligent acts or errors in performing this Agreement.

C. Section 8(B) of this Agreement shall not apply to individual design and/or construction management projects.

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: Jan M. Hauser, P.E., Vice President Water/Wastewater

**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

URS Corporation – Great Lakes

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
By: Jan M. Hauser  
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.



September 9, 2010

Mr. Ben Croy, PE  
City of Novi  
26300 Delwal Drive  
Novi, MI 48375

**Reference: Proposal for Engineering Services for  
Cranbrooke Drive Bridge Repair in the City of Novi**

Dear Ben:

The City of Novi is requesting professional engineering services for design, bidding, contract administration and construction oversight of the Cranbrooke Drive over the Courter Ditch (aka Ingersol Creek) Structure. Included in this letter proposal are Project Approach, Project Team, Schedule and Project Fees.

#### **PROJECT APPROACH**

URS will begin the project by reviewing the 2008 Williams & Works biennial bridge inspection and the subsequent study being prepared by OHM to become familiar with the bridge. After the review of the structure, URS staff will plan a kick-off meeting with the City of Novi personnel. URS will coordinate this kick-off meeting with a site visit of the structure. URS will gather pertinent information from the site visit and from City personnel at the kick-off meeting to develop recommended improvements to the structure.

1. **Conceptual Design and Right-of-Way Procurement**

During this phase, the project work plan and schedule will be finalized between URS and the City of Novi. Critical concerns and their relative priority will be identified, including sensitive environmental areas, ROW (if needed) and traffic maintenance.

Findings, recommendations and cost estimates (including costs of various alternatives) will be submitted in a written report to Novi including the Type, Size and Location (TS&L) study.

2. **Preliminary Design Phase**

During this phase, URS will develop preliminary design drawings, calculations, specifications and cost estimates for review by Novi. We expect that these preliminary design plans will be submitted to City staff for use at the Preliminary Plan meeting.

Final identification of ROW procurement areas will be shown on the plans, and legal descriptions written. Final appraisals will be done at this time. Final soils information will also be obtained and evaluated (we anticipate a maximum of two borings).

3. **Final Design Phase**

URS will prepare design plans, specifications and cost estimates for review by Novi at the 95% completion stage. Environmental preservation and/or mitigation plans will be included, as well as all unique specifications and Novi boilerplate provisions.



Progress meetings with Novi will continue through this phase, with at least one meeting per month. After final review by Novi, URS will provide 100% complete plans, specifications and cost estimates. At the end of this phase, URS will provide the final bid package.

4. Advertisement and Bidding Phase

During this phase, URS will stand ready to provide consultation and advice to the Novi during the advertisement period.

5. Construction Engineering Phase

URS will, at a minimum provide the following services on-site inspection, testing, payment recommendations, project close-out activities and "as constructed drawings.

**PROJECT TEAM (resumes attached)**

Our Project Manager, **Sean Kelsch, PE** has extensive expertise with multi-disciplined projects. Mr. Kelsch served as Project Manager for the recently completed Ring Road Project in Novi.

Lead Bridge Engineer: **Mike Tarazi, PE** will serve as Lead Bridge Engineer for the URS Team. Mr. Tarazi has over 40 years of professional experience, including 33 years of employment at MDOT. His extensive design experience includes more than 1,000 bridges in the State of Michigan.

**Jason Fisher, PE** will manage the construction phase. Our Senior Inspector in charge of supervision of day-to-day inspection activities will be **Mike Mayer**. Mr. Mayer will utilize certified inspectors to monitor the progress of construction on a daily basis.

**PROJECT SCHEDULE**

The RFP does not list a completion date, but URS assumes that the City will desire construction of the project in the Spring of 2011. URS does not anticipate a problem with this and expects this project can be completed in approximately 3 months. With this schedule, the project will be ready to advertise in February of 2011.

**PROJECT FEE**

Based on this scope of work and the estimated construction cost of \$248,000, our estimated fee for the design phase is **\$24,800** (10% of Construction). Construction Administration fees are estimated at **\$16,120** (6.5% of Construction). Construction Inspection fees are estimated at **\$12,300** (\$615 per crew day, with an estimated 20 crew days). This brings the total estimated fee to **\$53,220**.

We appreciate the opportunity to submit this proposal and look forward to continue working with the City.

Sincerely,

URS Corporation

for Jan Hauser, PE  
Vice President

Sean N. Kelsch, PE  
Project Manager

SNK/mm

## CRANBROOKE DRIVE BRIDGE REPAIR Proposal Review Scoring Summary

Project Description: Cranbrooke Drive Bridge Repair

RANK 1= LOW, 3= BEST

<i>FIRM:</i>	<i>Item weight:</i>			<i>Total</i>	<i>Rank</i>
	<i>50</i> <i>1</i>	<i>20</i> <i>2</i>	<i>30</i> <i>3</i>		
URS Corp.	11	6.5	10	<b>980</b>	<b>1</b>
Spalding DeDecker	7	7.5	8	740	2
Orchard Hiltz McCliment	6	10	6	680	3
TOTALS	24	24	24		

### SCORING CRITERIA

1. Bridge Design experience of firm and personel (50%)
2. Design approach (20%)
3. Fee (30%)