



CITY of NOVI CITY COUNCIL

Agenda Item D
October 11, 2010

SUBJECT: Approval to award a contract for design engineering services for the Meadowbrook Road Rehabilitation (Ten Mile Road to Cherry Hill) to URS Corporation for a not-to-exceed design fee of \$38,569.

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

CITY MANAGER APPROVAL: *[Signature]*

EXPENDITURE REQUIRED	\$38,569
AMOUNT BUDGETED	\$94,500 (Engineering only)
APPROPRIATION REQUIRED	N/A
LINE ITEM NUMBER	202-202.00-805.650

BACKGROUND INFORMATION:

The City of Novi was awarded \$363,000 (80% of estimated construction) in federal funding through the Oakland Federal Aid Committee's selection process for the rehabilitation of Meadowbrook Road between Ten Mile and Cherry Hill Road. A location map has been included for reference. This section of Meadowbrook Road has a PASER rating of 4 (fair) and will be rehabilitated using one or more repair techniques (e.g., mill and overlay, structural overlay, etc.). The project will widen the road to provide a center turn lane at the Novi Senior Center, resulting in a continuous center turn lane between Cherry Hill and Ten Mile Road. The grant funding for the construction of this project is available in 2011. The design engineering is not covered by federal funds, so it was funded in the FY2010-11 budget and is being awarded now to prepare the project for bidding next year. Novi's share for construction is \$90,750 (20% of the \$453,750 estimated for construction).

URS'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 \$38,569 (8.5% of the estimated construction cost of \$453,750). 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 schedule.

URS has recently completed design engineering services for the Beck Rd/Cider Mill Rd Signal project and the Northwest Quadrant Ring Road project; and design and construction engineering services for the 2007 and 2008 Neighborhood Roads Programs.

This project will be coordinated with the Novi Road Link project, which is also scheduled for continuing construction in 2011. This project was moved forward from 2013 funding when the more recent year projects were funded by the American Recovery and Reinvestment Act (ARRA) funding. Generally, federally funded projects cannot be deferred to another year; however, communities can swap funding years for projects of equal value. Staff has been working with the City of Pontiac to potentially swap this project for a Pontiac project that is funded for 2012. If the funding year changes to 2012, the project will be designed over the next year and constructed in early 2012. If the funding year remains in 2011, design of the project needs to begin this month so a construction contract can be let and the funds obligated by August 2011. Construction timing would be closely coordinated with the Novi Road project to lessen the traffic impacts.

RECOMMENDED ACTION: Approval to award a contract for design engineering services for the Meadowbrook Road Rehabilitation (Ten Mile Road to Cherry Hill) to URS Corporation for a not-to-exceed design fee of \$38,569.

	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				

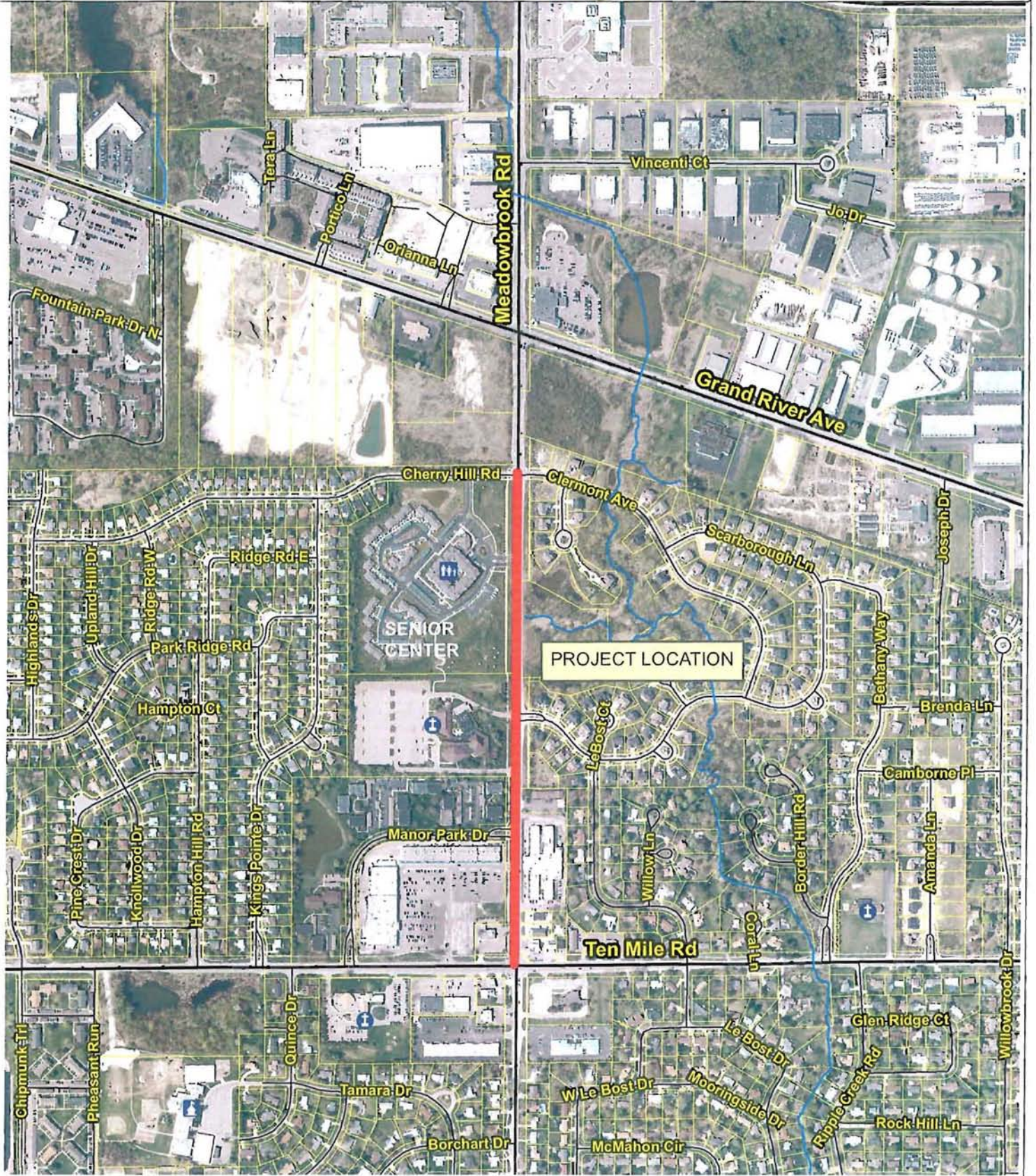
MAP INTERPRETATION NOTICE

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



MEADOWBROOK ROAD REHABILITATION Ten Mile to Cherry Hill



SUPPLEMENTAL PROFESSIONAL ENGINEERING SERVICES AGREEMENT

MEADOWBROOK ROAD REHABILITATION
TEN MILE TO CHERRY HILL

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 rehabilitation of Meadowbrook Road from Ten Mile to Cherry Hill. The project will include the widening of the road to accommodate a center turn lane along the entire road segment.

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 \$38,569, which is 8.50% of the estimated construction cost (\$453,750) 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.

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 20, 2010

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

**Reference: Meadowbrook Road Widening and Rehabilitation Proposal
10 Mile Road to Cherry Hill Road**

Dear Mr. Croy,

URS is pleased to submit this proposal for the above referenced project. The following tasks will be completed for the project:

Task 1 – 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. Specific design issues to be discussed at the meeting include the limits for curb and gutter and drainage improvements desired as part of the project. The location of soil borings will also be discussed and determined at the scope verification meeting.

Upon completion of this task, the URS team will move forward with the surveying and preliminary design.

Task 2 – Survey and Base Plans

The intent of this task is to provide topographic survey and base mapping as needed for the proposed design work. A full topographic survey will be completed for the project area, including the sidewalk ramps in the overlay portion of the project.

As the necessary survey is completed, URS will prepare base plans (30%-40% complete) to identify the major design features. These plans will also be used to further the utility investigation and resolution of potential conflicts and geotechnical investigations.

Base plans will include the results of the survey information, utility information from response to our solicitations, and a preliminary estimate.

URS will distribute the base plan design set to the utility companies that have indicated that they have facilities in the project area. URS will incorporate the additional information that utility companies provide to URS into the plan set. On-site meetings may be necessary to further clarify coordination and clearance of particular overhead and underground utility facilities.

Task 3 – Preliminary Plans

Incorporating the information obtained from the above tasks, URS will prepare the preliminary plan set (90%) and proposal package. This submission will include items such as the utility locations, typical cross sections, materials/quantities, detailed sidewalk ramp grades, and soil boring logs. The preliminary plan submittal will be forwarded to the MDOT along with a request to schedule the Grade Inspection Meeting.

Task 4 – Grade Inspection Meeting with MDOT

URS will attend the Grade Inspection meeting with representatives of the City and the MDOT to receive comments on the preliminary design submittal.

Task 5 – Final Plans and Proposal

Incorporating comments from the City and from the MDOT on the preliminary plan set, URS will develop the Final plans and proposal information to be submitted. We understand that the final plan package will be forwarded to MDOT Local Agency Programs for advertising the project for bids.

Tasks 6 and 7– Bid Opening and Award

URS will respond to any final comments received from MDOT regarding the Final Plans package. MDOT will then advertise the project for bids, open the bids, and award the contract.

Tasks 8 and 9 – Construction

URS will provide full time inspection, contract administration, staking and materials testing as required for MDOT Local Agency Programs projects.

Schedule

Upon notification to proceed, it is estimated that the following schedule could be maintained:

Task 1 – Scope Verification Meeting	September 17, 2010
Task 2 – Survey & Base Plans Submittal	November 15, 2010
Task 3 – Preliminary Plans submittal to MDOT	January 21, 2011
Task 4 – Grade Inspection Meeting with MDOT	February 18, 2011
Task 5 – Final Plans and Proposal Info to MDOT	April 22, 2011
Task 6 – Bid Opening (By MDOT)	June 03, 2011
Task 7 – Contract Award (By MDOT)	July 5, 2011
Task 8 – Begin Construction	July 20, 2010
Task 9 – End Construction	September 1, 2011

Estimated Cost of Construction and Design Fees

The estimate which follows is based upon the following assumptions:

- The project includes:
 - HMA overlay from the north edge of pavement of 10 Mile Road to Scarborough Lane
 - Widening and HMA overlay from Scarborough Lane to south of Cherry Hill road
 - HMA overlay of the entire Cherry Hill Road/Meadowbrook Intersection
- Existing pavements are to remain with a 3" overlay of HMA 4C. Cold milling will be used in areas with existing curb and gutter which is to remain.
- Widening will consist of 9" Subbase, 6" Aggregate Base, 3" HMA 2C and 3" HMA, 4C
- Subgrade underdrain with outlets and outlet endings will be used to drain the subgrade adjacent to widening areas
- All right turn lanes and curb and gutter will be maintained or replaced in kind.
- Curb and Gutter will be utilized along the east side of the roadway in the widening area to replace the existing shoulder section. This will avoid wetland, floodplain, and grading impacts.
- Existing shoulder sections will be maintained and reconstructed in the overlay area between 10 Mile and Scarborough Lane and on the west side of the roadway in the widening area. North of Scarborough Lane

Preliminary Estimate
Meadowbrook Road Widening and Overlay
10 Mile Road to Cherry Hill Road

Item No.	Item Description	Units	Quantity	Unit Price	Cost
1	Curb and Gutter, Rem	Ft	540	\$6.50	\$3,510.00
2	Station Grading	Sta	21	\$1,500.00	\$31,500.00
3	Subbase, CIP	Cyd	310	\$6.50	\$2,015.00
4	Aggregate Base, 6 inch	Syd	1235	\$6.00	\$7,410.00
5	Cold Milling HMA Surface	Syd	6038	\$5.50	\$33,209.00
6	HMA, 4C	Ton	2630	\$75.00	\$197,250.00
7	HMA, 2C	Ton	225	\$70.00	\$15,750.00
8	Drainage Improvements	LS	1	\$25,000.00	\$25,000.00
9	Curb and Gutter	Ft	1600	\$16.00	\$25,600.00
10	Sidewalk Ramp, ADA	Sft	300	\$8.00	\$2,400.00
11	Underdrain, 6 inch	Ft	1700	\$7.00	\$11,900.00
12	Underdrain Outlet, 6 inch	Ft	150	\$8.00	\$1,200.00
13	Underdrain Outlet Ending	Ea	7	\$150.00	\$1,050.00
14	Shoulder, CI II, 6 inch	Syd	850	\$5.50	\$4,675.00
15	Soil Erosion Control Items	LS	1	\$5,000.00	\$5,000.00
16	Surface Restoration	Syd	1540	\$3.50	\$5,390.00
17	Maintaining Traffic	LS	1	\$10,000.00	\$12,500.00
18	Pavement Markings & Signing	LS	1	\$5,000.00	\$7,500.00
19	Mobilization (5%)	LS	1	\$18,143.25	\$19,642.95
	Construction Items Total				\$412,501.95
	Contingency (Approx10% of Items)				\$41,248.05
	Construction Cost				\$453,750.00
	Design Fee (8.50% of Construction Cost)				\$38,568.75
	Construction Admin(6.50% of Construction Cost)				\$29,493.75
	Inspection (at \$615 per day)	Day	30	615	\$18,450.00

Please contact our project manager Sean Kelsch if you have any questions or wish to discuss this submittal. .

Sincerely

URS Corporation -- Great Lakes

Jan Hauser, PE
Vice President

Sean Kelsch, PE
Manager, Highway Engineering Services