



CITY of NOVI CITY COUNCIL

**Agenda Item 1
June 1, 2009**

SUBJECT: Approval to award additional engineering services to Orchard Hiltz & McCliment, Inc. in the amount of \$17,300 associated with additional design requirements for the three federally funded major road projects: Meadowbrook Road (Eight Mile to Nine Mile), Nine Mile (Haggerty to Meadowbrook) and Nine Mile Road (Novi Road to Taft Road).

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

CITY MANAGER APPROVAL: *[Signature]*

EXPENDITURE REQUIRED	\$4,000 (Meadowbrook Road) \$9,300 (Nine Mile—Haggerty to Meadowbrook) <u>\$4,000 (Nine Mile—Novi to Taft)</u> \$17,300 TOTAL
AMOUNT BUDGETED	\$18,500 (Meadowbrook Road) \$18,500 (Nine Mile—Haggerty to Meadowbrook) <u>\$19,900 (Nine Mile—Novi to Taft)</u> \$56,900 TOTAL
APPROPRIATION REQUIRED	\$4,000 (Meadowbrook Road) \$9,300 (Nine Mile—Haggerty to Meadowbrook) <u>\$4,000 (Nine Mile—Novi to Taft)</u> \$17,300 TOTAL
LINE ITEM NUMBER	202-202.00-805.651 (Meadowbrook Road) 202-202.00-805.652 (Nine Mile—Haggerty to Meadowbrook) 202-202.00-805.653 (Nine Mile—Novi to Taft)

BACKGROUND INFORMATION:

The City of Novi is anticipating \$1,008,000 in federal funding through the American Recovery and Reinvestment Act of 2009 for three projects: 1) Meadowbrook Road from Eight Mile to Nine Mile Road, 2) Nine Mile Road from Meadowbrook Road to Haggerty Road and 3) Nine Mile Road from Novi Road to Taft Road. The attached map shows the location of these three projects. Each project consists of the rehabilitation or reconstruction of one mile of road, with other improvements such as curb replacement, base repair, and general drainage improvements. Orchard Hiltz and McCliment (OHM) was awarded engineering services on March 23, 2009 for the three projects. The design of the three projects is underway and a plan review meeting was held on May 8, 2009 with Michigan Department of Transportation's (MDOT) Local Agency Program (LAP) which administers all federally funded projects for local agencies such as Novi.

Staff has identified two additional tasks that are out-of-scope for the project. The first is the review and preliminary design and topographic survey for a minor widening at Nine Mile Road just west of Haggerty in the amount of \$5,300. The second item is for additional topographic survey and design work required to meet MDOT requirements for upgrades of all sidewalk ramps within the project limits to meet Americans with Disabilities Act (ADA) accessibility requirements in the amount of \$4,000 per segment for a total of \$12,000. Having to make ADA related upgrades was not anticipated to the extent required by MDOT.

It is anticipated that design will be complete in June to meet MDOT requirements for an August bid letting, which would allow construction on two of the segments (Meadowbrook Road from Eight Mile to Nine Mile and Nine Mile from Haggerty to Meadowbrook) to be completed this fall, with the third segment (Nine Mile Road from Novi to Taft) to be completed in spring 2010.

RECOMMENDED ACTION: Approval to award additional engineering services to Orchard Hiltz & McCliment, Inc. in the amount of \$17,300 associated with additional design requirements for the three federally funded major road projects: Meadowbrook Road (Eight Mile to Nine Mile), Nine Mile (Haggerty to Meadowbrook) and Nine Mile Road (Novi Road to Taft Road).

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

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

Coburn, Brian

From: Croy, Ben
Sent: Thursday, May 21, 2009 1:46 PM
To: Coburn, Brian
Subject: FW: ADA Ramp Upgrades

From: Stevens, James [mailto:james.stevens@ohm-advisors.com]
Sent: Wednesday, May 20, 2009 4:29 PM
To: Croy, Ben
Subject: ADA Ramp Upgrades

Ben,

We have looked at the ADA Ramp Upgrades, The following intersection require ADA upgrades. In addition, we identified the following intersections as needing detailed design and topographical survey due to the nature of the work associated with completing the ramps (i.e.. extensive grading, pathway relocation, etc.).

Nine Mile & Taft
 Nine Mile & Foxton topo
 Nine Mile & Plaisance topo
 Nine Mile & Novi Road topo
 Nine Mile & Cranbrooke topo
 Nine Mile & Trillum
 Meadowbrook & Eight Mile topo
 Meadowbrook & Carmela
 Meadowbrook & Mission Ln
 Meadowbrook & Carriage Hill Dr
 Meadowbrook & Broquet Drive
 Meadowbrook & Fawn Tr.

For the locations where detailed design is not needed, we will log the necessary work items and just include the quantities in the bid package with the standard MDOT details. However, we will have plan sheets for those areas where design is required. We are hoping that the ramps where grading may be an issue will not require any grading permits, we will let you know asap when we get into it. I have had some preliminary talks with RCOC for Nine Mile and Novi Road and depending upon the actual work needed they may or may not require all 4 quadrants to be upgraded. For purposes of this budget I assumed that all four quadrants would need to be upgraded with existing push buttons relocated, requiring wiring plans (no signal work). We assumed that Wayne County will also require this info, but only for the one crossing on Meadowbrook. We will complete topographic survey and r.o.w information to prepare a detailed construction plan for the 5 areas noted above. For the purposes of this budget, we are assuming that the construction of these ramps and walkways can be completed without the need to design retaining walls or obtain easements. We will need to add this work to permits for both RCOC and Wayne County. The following is our estimated budget to complete this work:

Surveyor III - Survey Crew Leader Field Time and Office Download	36 Hours
Surveyor II - Surveyor Field Time	30 Hours
Professional Surveyor - Project Set Up and Processing, QA/QC	4 Hours
Tech II - CADD Technician - Drawings	8 Hours
PE I - Lead engineer for ADA design, qty's, specs, etc.	16 Hours
PE I - Engineer for signal wiring design for push button relocation	25 Hours
PE III - Project Manager overall in charge, project set up, meetings, QA/QC	4 Hours
Associate - QA/QC Officer	3 Hours
Tech IV - Field Engineer responsible for logging ramps and QA/QC	6 Hours

Total - \$12,094.00, say \$12,000.

I will follow up with a phone call to talk about this and to set up a meeting to go over specific locations and schedule.

James C Stevens, PE
Client Representative

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Coburn, Brian

From: Croy, Ben
Sent: Thursday, May 21, 2009 1:45 PM
To: Coburn, Brian
Subject: FW: Federally Funded Major Roads, Center/Left Turn Lane Additional Work

From: Stevens, James [mailto:james.stevens@ohm-advisors.com]
Sent: Wednesday, May 13, 2009 8:54 AM
To: Croy, Ben
Subject: Federally Funded Major Roads, Center/Left Turn Lane Additional Work

Ben,

Per our discussion, we are sending this formal request for a budget amendment on the additional time spent for center/left turn lane work on Nine Mile just west of Haggerty. We have approximately \$5,300.00 in effort for this portion of the project.

The work hours and classification breaks down as follows:

PE I - 21 Hours - Lead engineer responsible for design, estimates, etc.

PE III - 3 Hours - Project Manager overall in charge of the project

Professional Surveyor - 4.5 Hours - Surveyor responsible for set up of survey, processing, and QA/QC, for the topo.

Surveyor I - 9.5 hours - Survey Technician - Instrument Man

Surveyor II - 3.5 hours - Survey Technician - Responsible for setting up control and dipping structures

Surveyor III - 10.5 hours - Survey crew leader - Rod Man and field notes

Technician II - 8.25 hours - CADD operator - CADD Technician on the project

Please let me know if you need anything additional.

Thanks.

James C Stevens, PE
Client Representative

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