

CITY of NOVI CITY COUNCIL

Agenda Item N
December 21, 2009

SUBJECT: Approval to award an amendment to the engineering services contract for additional design engineering services to Anderson, Eckstein and Westrick, Inc. related to the Novi Way and Ten Mile Road Intersection Improvements project in the amount of \$11,250.

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

CITY MANAGER APPROVAL: *[Signature]*

EXPENDITURE REQUIRED	\$11,250
AMOUNT BUDGETED	\$100,000 (including engineering costs and required match for construction)
APPROPRIATION REQUIRED	n/a
LINE ITEM NUMBER	204-204.00-863.105

BACKGROUND INFORMATION:

The City of Novi has been awarded a federal safety grant in the amount \$160,000 for improvements to the intersection of Novi Way and Ten Mile Road (the western entrance to the Civic Center). The work includes the addition of a right turn lane for eastbound Ten Mile Road, a right turn lane on Novi Way, street lighting for the intersection, sidewalk ramp improvements to comply with Americans with Disabilities Act (ADA) requirements, and traffic signal reconstruction including pedestrian signal upgrades. The project was included in the 2009-10 Capital Improvement Program in the amount of \$55,000 to add a dedicated right turn lane to Novi Way to allow right turning traffic to turn on red when left turn traffic is queued at the signal. The safety grant will permit a full upgrade of the intersection to address pedestrian and traffic concerns.

The design engineering for this project was awarded to Anderson, Eckstein & Westrick (AEW) in March 2009 in the amount of \$10,000 as part of the 2009 Neighborhood Road Program and Vista Hills paving project. A supplemental award was made in April 2009 in the amount of \$2,500 for additional scope associated with applying for the safety grant. The consultant is requesting a fee adjustment for design engineering services for the increase in project scope resulting from the grant award. This increased scope included the addition of traffic signal and street lighting design, as well as adding provisions to meet federal grant requirements, including compliance with Michigan Department of Transportation (MDOT) Local Agency Programs documentation and provisions. (See AEW's December 10, 2009 request, attached).

The project is anticipated for a spring bid letting with construction to occur after Novi Schools begins summer break in June 2010; and is expected to be completed before Labor Day 2010. The contractor will be required to maintain access during construction for larger events on the Civic Center and Novi High School campus, such as the grand opening of the new library.

RECOMMENDED ACTION: Approval to award an amendment to the engineering services contract for additional design engineering services to Anderson, Eckstein and Westrick, Inc. related to the Novi Way and Ten Mile Road Intersection Improvements project in the amount of \$11,250.

	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				



Authorization for Additional Services #1

Project: **Engineering Services for
2009 Neighborhood Roads Program – Contract 1, Part B
Novi Way Right Turn Lane**

Date: 12-10-09

**City of Novi
AEW Project No. 0822-0015**

The contract allows for additional services to be provided by Anderson, Eckstein and Westrick, Inc., with compensation to be charged lump sum, as work progresses.

Description of Service (Limited)


Due to the fact that AEW successfully applied for a Safety Grant on behalf of the City of Novi, the project scope has been modified from the original to include the following additional tasks and modifications to the original design plans. Additionally, prior to receipt of the grant, the City changed the scope of the project to include an alternate for the milling and resurfacing of the entire intersection and Novi Way, south of the intersection, resulting in additional design and drafting.

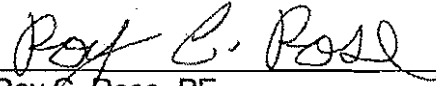
- Traffic Signal Design for new signal and street lighting (Mansell Associates)
- Plan modifications to include new signal design, extension of the proposed resurfacing of Novi Way further south, sidewalk modifications, and items to MDOT standards
- Special Provisions in accordance with MDOT Standards
- Programming Application & plan submission to MDOT
- Scheduling & Attendance at GI Meeting with MDOT
- Plan modifications per MDOT comments
- Revised Estimate in MERL to include Traffic Signal pay items
- Update permits to reflect plan changes
- Scheduling, attendance, & minutes for MDOT pre-construction meeting
- Progress Schedule review and approval
- Subcontract review and approval for MDOT award

Estimated Cost for Additional Services: \$11,250

NOTE: Contract Administration performed on the project will be intensified due to the MDOT contract administration requirements for Federal Aid projects. This will be covered under a separate Authorization for Additional Services. Actual charges may differ from this estimate. Actual charges will be based upon time and individual charge rates required to complete the task(s).

Approved By


Jennifer L. Chehab, PE
Senior Project Engineer


Roy C. Rose, PE
President

CITY OF NOVI

Date

PRELIMINARY ENGINEERS ESTIMATE OF COST

PROJECT: 10 Mile Road and Novi Way
 Right Turn Lanes and Traffic Signal Improvements
 City of Novi
Federal Local Safety Program
FY 2010 and 2011 Call for Projects

PREPARED BY: Mark Wilson

Feb. 26, 2009

AEW NO.: 822-015

CHECKED BY: Jennifer Chehab, P.E. Feb. 27, 2009

SCOPE: Remove and Replace Traffic Signals
 Install Right turn Lanes along 10 Mile Road and
 Novi Way (Entrance to Novi Civic Center and Novi
 High School)

LENGTH: 300 ft.

WORK ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
Bonds, Insurance and Initial Set-Up Expense (max 3%)	1	LS	\$ 5,830.00	5,830.00
Audio Visual	1	LS	1,400.00	1,400.00
Remove Pavement	150	SY	6.00	900.00
Remove Sidewalk	70	SY	10.00	700.00
Remove Curb and Gutter	280	LF	8.00	2,240.00
Maintenance Aggregate, 21AA	300	Ton	20.00	6,000.00
Earthwork	1	LS	6,000.00	6,000.00
Subgrade Undercutting, Type I	100	CY	20.00	2,000.00
Storm Sewer, CI IV, 12 inch, Tr Det B	100	LF	30.00	3,000.00
Storm Sewer, CI IV, 15 inch, Tr Det B	140	LF	34.00	4,760.00
Dr Structure, 48 inch dia	4	EA	2,000.00	8,000.00
Underdrain, Subgrade, Open Graded, 6 inch	250	LF	12.00	3,000.00
Aggregate Base, 21AA limestone, 8"	780	SY	8.00	6,240.00
Curb and Gutter, Conc, Det F-4	280	LF	14.00	3,920.00
Curb and Gutter, Conc, Det B-2	220	LF	16.00	3,520.00
HMA, 2C	80	Ton	90.00	7,200.00
HMA, 3C	120	Ton	90.00	10,800.00
HMA, 4C	80	Ton	95.00	7,600.00
Sidewalk, Conc, 4 inch	440	SF	4.00	1,760.00
Sidewalk Ramp, ADA	160	SF	14.00	2,240.00
Pavement Marking	1	LS	2,000.00	2,000.00
Restoration	1	LS	5,000.00	5,000.00
Mobilization	1	LS	5,000.00	5,000.00
TS, Span Wire Mtd, Rem	2	EA	100.00	200.00
Case Sign, Rem	2	EA	100.00	200.00
TS, Pedestrian, Bracket Arm Mtd, Rem	4	EA	100.00	400.00
TS, Pedestrian Mtd., Rem	4	EA	100.00	400.00
Span Wire, Rem	2	EA	150.00	300.00
Hh, Rem	3	EA	150.00	450.00
Fdn, Rem	2	EA	200.00	400.00
Push Button Remove	2	EA	100.00	200.00
Bracket Arm, Rem	2	EA	100.00	200.00
Support Post, Rem	2	EA	100.00	200.00
Safety Switch, Rem	2	EA	100.00	200.00
Cable, SEC, Rem	100	FT	2.00	200.00
Cable Pole, TS, Dismant	2	EA	100.00	200.00
Cable Pole, TS and SEC, Dismant	1	EA	100.00	100.00
Span Wire, Box	1	EA	2,500.00	2,500.00
TS, One Way Span Wire Mtd (LED)	6	EA	1,000.00	6,000.00
Controller and Cabinet, Rem	1	EA	500.00	500.00
Case Sign, Two Way, 24 inch by 30 inch (Non-Illuminated)	2	EA	1,600.00	3,200.00
TS, Pedestrian, One Way Bracket Arm Mtd (LED) Countdown	2	EA	1,200.00	2,400.00
TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	2	EA	1,600.00	3,200.00
Push Button & Sign, Modified	2	EA	500.00	1,000.00
Controller and Cabinet, Solid State Actuated, Salv	1	EA	1,200.00	1,200.00
Controller and Cabinet, Solid State Actuated, Delivered	1	EA	12,500.00	12,500.00

PRELIMINARY ENGINEERS ESTIMATE OF COST

PROJECT: 10 Mile Road and Novi Way
 Right Turn Lanes and Traffic Signal Improvements
 City of Novi
**Federal Local Safety Program
 FY 2010 and 2011 Call for Projects**

PREPARED BY: Mark Wilson

Feb. 26, 2009

AEW NO.: 822-015

CHECKED BY: Jennifer Chehab, P.E. Feb. 27, 2009

SCOPE: Remove and Replace Traffic Signals
 Install Right turn Lanes along 10 Mile Road and
 Novi Way (Entrance to Novi Civic Center and Novi
 High School)

LENGTH: 300 ft.

WORK ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
Controller, Fdn, Base Mounted	1	EA	500.00	500.00
Digital Loop Detector	2	EA	500.00	1,000.00
Conduit, DB, 1 , 1 1/4 inch	40	FT	10.00	400.00
Conduit, DB, 2 , 3 inch	25	FT	18.00	450.00
Conduit, DB, 3 , 4 inch	20	FT	25.00	500.00
Conduit Directional Bore, 3 inch	70	FT	50.00	3,500.00
Hh, Round	2	EA	1,000.00	2,000.00
Hh, Square	1	EA	1,800.00	1,800.00
Wood Pole, Fit Up, TS and Sec Cable Pole	1	EA	400.00	400.00
Strain Pole, Steel, Anchor Base, 40 feet, Modified	2	EA	3,800.00	7,600.00
Strain Pole, Steel, Anchor Fdn	2	EA	3,200.00	6,400.00
Push Button Support Post	2	EA	500.00	1,000.00
Bracket Arm, 18 feet	3	EA	1,000.00	3,000.00
Illuminated Street Name Sign, One Way, 6 Foot	1	EA	600.00	600.00
Illuminated Street Name Sign, Two Way, 6 Foot	1	EA	600.00	600.00
Safety Switch	1	EA	1,000.00	1,000.00
Cable, Sec, 600V	99	FT	10.00	990.00
Optical Priority Control System	1	EA	5,500.00	5,500.00
Street Lighting	1	LS	10,000.00	10,000.00
Permit Fees	1.00	EA	7,500.00	7,500.00
Traffic Control and Maintenance	1.00	LS	10,000.00	10,000.00
Total Construction Cost				\$200,000.00
Federal Funds Requested (80%)				\$160,000.00
Local Match (20%)				\$40,000.00

MEMORANDUM



cityofnovi.org

TO: ROB HAYES, P.E.; DIRECTOR OF PUBLIC SERVICES *PH*
FROM: BRIAN COBURN, P.E.; SENIOR CIVIL ENGINEER *BC*
SUBJECT: SAFETY GRANT AWARD FOR NOVI WAY/TEN MILE RD
DATE: DECEMBER 10, 2009

12/9/09
To: Mayor & City Council Members
More grant success
PH

The Engineering Division received the attached letter which states that the City of Novi has been awarded a federal safety grant in the amount \$160,000 (80% of the total estimated construction cost of \$200,000) for improvements to the intersection of Ten Mile Road and Novi Way, which is the western entrance to the Civic Center. The work includes the addition of a right turn lane for eastbound Ten Mile Road, a right turn lane on Novi Way, street lighting at the intersection, sidewalk ramp improvements to comply with Americans with Disabilities Act requirements, and traffic signal reconstruction which includes pedestrian signal upgrades.

The project was included in the 2009-10 Capital Improvement Program in the amount of \$55,000 to add a dedicated right turn lane to Novi Way to allow right turning traffic to turn on red when left turn traffic is queued at the signal. The safety grant will permit a full upgrade of the intersection to address pedestrian and traffic concerns. The design engineering was awarded to Anderson, Eckstein & Westrick (AEW) in March 2009 and with the announcement of the safety grant award is being finalized to include the additional scope.

The budgeted \$55,000 will be used for the required match for the grant (\$40,000) and for engineering costs (\$12,500 of the remaining \$15,000 has been awarded).

The project is anticipated for a spring bid letting with construction to occur after Novi Schools begins summer break in June 2010 to be completed before Labor Day 2010. We will require that the contractor maintain access during construction for larger events on the Civic Center and Novi High School campus such as the grand opening of the new library.

cc: Kathy Smith-Roy, Finance Director
Becky Arold, Analyst/Planner DPS



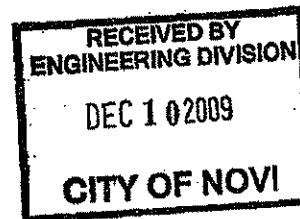
STATE OF MICHIGAN
DEPARTMENT OF TRANSPORTATION
LANSING

JENNIFER M. GRANHOLM
GOVERNOR

KIRK T. STEUDLE
DIRECTOR

November 23, 2009

Mr. Brian Coburn, P.E.
City of Novi
45175 W. Ten Mile Road
Novi, Michigan 48375-3024



Dear Mr. Coburn:

63609 - 108644A

Safety Improvement Project - \$200,000.00 Total Project Amount
10 Mile Road at Novi Way (Wildcat)
Construct Right Turn Lanes, Upgrade Signals and Add Lighting

We are pleased to inform you that the subject safety project has been approved for federal funding in the 2010 fiscal year. All agencies were previously notified by telephone and approved projects have been posted on the Michigan Department of Transportation's (MDOT) website. This project will be funded with 80 percent federal funds and 20 percent local funds. Unless otherwise approved in writing by MDOT at the time of obligation, the federally participating project costs for the 2010 STH Program are limited to the project costs submitted with the application and listed above, plus the lesser of an increase of 20 percent or \$20,000 above the total project cost. The maximum amount of federal funds allowed per project is \$400,000 for the construction phase let to contract, as long as the above listed limits are not exceeded. Preliminary engineering, construction engineering, and right-of-way costs are not eligible for reimbursement. As a reminder, non-participating construction items of work may be included in the overall project estimate, but are not reimbursable for federal funding. Items such as decorative lighting, brick sidewalk, street pavers, or any items that are not safety related in nature are not eligible for federal aid. These items will be reviewed once the preliminary plans are developed.

This project should be obligated in fiscal year (FY) 2010. In order to accomplish this, the programming application form must be completed and returned to our office when the engineer's estimate is completed. The programming application form must also be completed, and is available on MDOT's website at www.michigan.gov/mdot. In the "favorite links" area, click on MDOT Forms. Form #0258 is for Bridge Projects, and Form #0260 is for Road Projects. As final plans near completion, a grade inspection can then be scheduled with our office. Federal funds cannot be obligated until a grade inspection has been held, any environmental, historical, permits, and/or right-of-way issues are cleared, and final plans are completed. MDOT staff will

Mr. Brian Coburn
Page 2 of 2
November 23, 2009

add this project to the State Transportation Improvement Program. Provided MDOT has obligational authority remaining, STH funds can be obligated up through September 3, 2010, therefore it is imperative that the final project package is completed and submitted to MDOT by August 27, 2010, to ensure that funds are obligated prior to this date. The project should follow the milestone dates established in the FY 2010 Local Agency Programs Project Planning Guide, which can be accessed at www.michigan.gov/mdotlap, and contains the milestone dates required for a GI submittal in order to obligate your project this fiscal year.

Given the latest information currently available under the federal transportation bill, every effort has been given to maintain a fiscally constrained program and maximize the use of limited available funds.

Projects will be handled on a first come, first served basis, so please make every effort to stay on schedule. **STH funds do not carry over to the next fiscal year and expire at the end of the fiscal year in which the project was selected for.** If your project is not obligated in the approved fiscal year, the project will be withdrawn and you will be required to re-submit your project under a future call for projects. Any changes in the scope of work which can not be justified will be denied.

Please send the programming application form, GI and final plans to:

Jim D'Lamater, P.E.
Michigan Department of Transportation - Local Agency Programs
425 W. Ottawa Street
P.O. Box 30050
Lansing, Michigan, 48909

If you have any questions, please contact Mr. D'Lamater at (517) 335-2224.

Sincerely,



Bradley C. Wieferrich, P.E.
Engineer of Design

cc: Jim D'Lamater, MDOT Local Agency Programs

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



Novi Way and Ten Mile Intersection



Reconstruct Traffic Signal as a box span and improvement pedestrian signals and ramps for ADA compliance. A street light will also be added to the intersection.

Ten Mile Rd



Add Right Turn Lane

Add Right Turn Lane

Novi Way