



CITY of NOVI CITY COUNCIL

Agenda Item 4
February 18, 2014

SUBJECT: Approval of Resolution authorizing participation in the Road Commission for Oakland County's 2014 Tri-Party Program for Road Improvements dedicating Novi's 2014 allotment of \$159,089 to the Haggerty Road Widening Project (south of Ten Mile Road).

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division *Rmj* *Blc*

CITY MANAGER APPROVAL: *[Signature]*

BACKGROUND INFORMATION:

The City of Novi has chosen to participate in the Road Commission for Oakland County's (RCOC) annual Tri-Party Program for Road Improvements for more than 25 years. Costs for projects identified for participation are equally shared between three entities: the Oakland County Board of Commissioners, RCOC and the local unit of government.

In recent years, Novi has used the Tri-Party program to help fund various intersection signalization projects (12 Mile/Cabot), as well as major road improvement projects (Novi Road Link project from Ten Mile Road to Grand River Avenue and Grand River Avenue Rehabilitation from Novi Road to Haggerty Road). Based on fund distribution formulas, Novi's 2014 allocation totals \$159,089, with \$53,030 identified as Novi's cost share (see attached February 13, 2013 letter from RCOC). The allocation represents a 1.6% decrease in the 2013 allocation of \$161,697.

Staff recommends that the Haggerty Road Widening project (Westminster to Stonehenge) be designated for receipt of this year's Tri-Party funding for 2014 construction. The project would add a right lane to fill a 700-foot long lane drop on southbound Haggerty, south of Ten Mile Road. A lane drop occurs when one through lane is merged into another. Such is the case between Westminster Circle and Shorebrooke Townhouses where there is a transition from two southbound lanes to one lane and then back to two southbound lanes. As explained in the attached memo, there were several other lane drops along Haggerty Road that have been addressed over the past few years, and this specific location is the last remaining lane drop.

Filling this gap has been scoped as a potential project in the proposed FY14-15 Capital Improvements Program (CIP), and has a total estimated project cost of \$110,000. The City of Farmington Hills has agreed to participate by contributing up to \$18,500, which represents roughly half of the one-third local share of the current project estimate. The RCOC is unable to commit to 2014 construction if in-house RCOC staff is used for design, therefore staff recommends engineering award to one of the City's consultants to prepare construction drawings and specifications. Once the project is designed and better defined construction cost estimates are available, any leftover Tri-Party funds could be allocated to one of several future road projects slated for FY 2014/2015.

Staff will prepare the design phase engineering award for consideration on a future agenda in anticipation of construction of the project in the beginning of fiscal year 2014-15, should the local funding for the project be approved in the budget.

RECOMMENDED ACTION: Approval of Resolution authorizing participation in the Road Commission for Oakland County's 2014 Tri-Party Program for Road Improvements dedicating Novi's 2014 allotment of \$159,089 to the Haggerty Road Widening Project (south of Ten Mile Road).

	1	2	Y	N
Mayor Gatt				
Mayor Pro Tem Staudt				
Council Member Casey				
Council Member Fischer				

	1	2	Y	N
Council Member Markham				
Council Member Mutch				
Council Member Wrobel				

CITY OF NOVI

COUNTY OF OAKLAND, MICHIGAN

RESOLUTION OF PARTICIPATION
2014 TRI-PARTY PROGRAM

Minutes of a Meeting of the City Council of the City of Novi, County of Oakland, Michigan, held in the City Hall of said City on _____, at ___ o'clock P.M. Prevailing Eastern Time.

PRESENT: Councilmembers _____

ABSENT: Councilmembers _____

The following preamble and Resolution were offered by Councilmember _____ and supported by Councilmember _____.

WHEREAS ; the Road Commission for Oakland County has invited the City of Novi to participate in the Fiscal Year 2014 Tri-Party Program for road improvements; and

WHEREAS ; the Tri-Party Program is a means to provide for improvements to County roads with funding derived from the local units of government, the County Board of Commissioners, and the Road Commission for Oakland County; and

WHEREAS ; the City of Novi supports and strongly encourages the continuation of an annual Tri-Party Program with participation by the local unit of government, the Road Commission for Oakland County and the County Board of Commissioners; and

WHEREAS ; \$159,089 has been allocated for Novi with the total 2014 contribution from the City of Novi totaling \$53,030; and,

WHEREAS ; the widening of southbound Haggerty south of Westminster has been identified as priority project in the 2014-15 Capital Improvements Program and construction of the project would improve safety through elimination of a 700-foot long lane drop.

NOW THEREFORE, IT IS THEREFORE RESOLVED that that the Mayor and Council of the City of Novi authorize participation in the Road Commission for Oakland County's 2014 Tri-Party Program for Road Improvements and designate \$159,089 in 2014 Tri-Party funds to the Beck Road Rehabilitation project between Beck Road and Napier Road.

AYES:

NAYS:

RESOLUTION DECLARED ADOPTED.

Maryanne Cornelius, City Clerk


CERTIFICATION

I hereby certify that the foregoing is a true and complete copy of a resolution adopted by the City Council of the City of Novi, County of Oakland, and State of Michigan, at a regular meeting held this _____ day of _____, 2014, and that public notice of said meeting was given pursuant to and in full compliance with Act No. 267, Public Acts of Michigan, 1976, and that the minutes of said meeting have been kept and made available to the public as required by said Act.

Maryanne Cornelius, City Clerk
City of Novi



January 31, 2014

1/31/14
ec- Kbh
Bim C
Carl J
Victor C
Due date?? Please see up to Agency
Road as been discussed!
W/FH TH


Mr. Clay J. Pearson, Manager
City of Novi
45175 West Ten Mile Road
Novi, MI 48375-3024

Board of Road Commissioners

Ronald J. Fowkes
Commissioner

Gregory C. Jamian
Commissioner

Eric S. Wilson
Commissioner

RE: FY 2014 Tri-Party Program

Dear Mr. Pearson:

Your participation is requested in the FY 2014 Tri-Party Program. The fiscal year governing this program is October 1, 2013 through September 30, 2014. The Oakland County Board of Commissioners has approved a Tri-Party budget of \$1,000,000 to create a \$3,000,000 program for FY 2014. A total of \$1,500,000 will be designated for townships and a total of \$1,500,000 will be designated for cities and villages. *

Dennis G. Kolar, P.E.
Managing Director

Gary Plotrowicz, P.E., P.T.O.E.
Deputy Managing Director
County Highway Engineer

The distribution formula and method of calculation of Tri-Party allocations have remained the same. For cities and villages, it includes RCOC road miles and three-year average annual accidents. For townships, the most recent census population figures are combined with RCOC road miles and three-year annual accidents. The figures for these three factors (population, miles and accidents) are calculated as the individual community's percentage of the total of each factor in each type of community. For example, county road accidents in a city or village are divided by the total of all county road accidents in all cities and villages. The distribution formulas have been used for years in an attempt to most equitably distribute the Tri-Party dollars.

Separate formulas are used because population in the city/village equation would skew the results toward more densely populated cities with fewer RCOC road miles. In townships, on the other hand, population has been used as a determining factor to prevent the distribution from being skewed toward townships with high road miles and small populations.

31001 Lahser Road
Beverly Hills, MI
48025

248-645-2000

FAX
248-645-0618

TDD
248-645-9923

www.rcocweb.org

City / Village Formula: Community Allocation = $Ad_{cv} \frac{(Ca + Rm)}{2}$

Where: Ad_{cv} = Total Amount for distribution to cities and villages
 Ca = Community % of total accidents on county roads in cities and villages
 Rm = Community % of total county road miles in cities and Villages

(Note that accidents are an annual average for a three-year period)

Township Formula: Community Allocation = $Ad_T \frac{(Ca + Pc + Rm)}{3}$

Where: Ad_T = Total Amount for distribution to townships
 Ca = Community % of total accidents on county roads in all townships
 Pc = Community % of total population in all townships
 Rm = Community % of total county road miles in all townships

(Note that accidents are an annual average for a three-year period)

Although the method of calculation and the factors involved have remained the same, the data on which those calculations are based has changed.

Population data is changed only after a decennial census or if the Census Bureau issues revised numbers. The data includes the most recent counts from the 2010 Census.

As in the past, RCOC road miles change only to reflect abandonments, transfers of jurisdiction, or the addition of new roads.

The most recent traffic accident data available from the Traffic Improvement Association of Oakland County is from 2010 to 2012.

Your program allotment for this year is **\$159,089** and your share will be **\$53,030**. Any funds remaining from previous years may be added to this amount for use in 2014. If you do not wish to participate in this program, please contact me as soon as possible so your program allotment can be distributed as necessary.



The Tri-Party Program operates as follows:

- 1) Projects intended for 2014 construction must be selected by May 2014.
- 2) Projects that cost more than the allocation may be selected if the community provides the additional funding.
- 3) Funding agreements should be executed before bids are accepted.
- 4) Projects that improve road safety take precedence over other project types, e.g., congestion or drainage.
- 5) Due to the Road Commission's current road project commitments, consultant engineers may need to be utilized for project administration and implementation.

A schedule of events has been established as detailed below. If you are unable to meet any of the dates below, please inform me as soon as possible.

DEADLINE	ACTIVITY
May 2014	Potential project locations submitted to Programming Division for review.
June 2014	Project commitments submitted for projects to be constructed in 2014.
July 2014	Project approval by Road Commission and County Board.
July – December 2014	Design, bidding and/or construction period.

A list of suggested project locations is attached. The list indicates some project possibilities collected from local officials, citizens, police reports, accident locations, Department of Customer Services, and Road Commission staff. The list is not in priority order and most do not yet have cost estimates. Also shown are some typical costs for comparison purposes.



In addition, a historical report of your community's Tri-Party Program participation is also attached. The report lists the projects that have been completed with their associated costs. The report also shows the allocations that have been reserved for future Tri-Party projects.

Please contact me at (248) 645-2000, extension 2266 for further discussion or assistance.

Sincerely,

A handwritten signature in black ink that reads "Thomas G. Noechel". The signature is written in a cursive style.

Thomas G. Noechel
Programming Supervisor

/je
Enclosures

2014 TRI-PARTY PROGRAM
CITY OF NOVI
ALLOCATION FOR 2014: \$159,089

The following list contains typical safety projects with general costs for your information. Actual project costs will vary depending on location and a preliminary concept and estimate should be requested. Below is the list of potential project sites recommended over the past year or so by citizens and officials; many of these have not been field checked.

SAFETY PROJECTS	GENERAL COSTS
Additional right turn lane at intersection	\$125,000 per approach
Approach paving – subdivision street	\$100,000
Approach paving – primary road	\$125,000
Passing lane	\$ 80,000
Widen for 150-200' center left-turn lane	\$200,000 per approach
Shoulder paving one side	\$ 65,000 per mile

POTENTIAL PROJECT LOCATIONS

Napier Road, Nine Mile Road to Ten Mile Road	Pave gravel
12 Mile Road, Beck Road to Dixon Road	Widen

**ROAD COMMISSION FOR OAKLAND COUNTY
TRI-PARTY PROGRAM**

City of Novi

County Commissioner:

9- Kathy S. Crawford

PROJECT DESCRIPTION	Date of Agrmt	Project No.												PROJECT TOTAL	
			1980-2005	2006	2007	2008	2009	2010	2011	2012	Add'l 2012	2013	2014		
10 Mile @ Lynwood	C	35331	57,900												57,900
Haggerty @ Orchard Hill	C	36131	82,000												82,000
9 Mile @ Haggerty	C	37441	71,250												71,250
G.R. @ Meadowbrook	C	3/23/94 39541	97,016												97,016
G.R. @ Beck-add WB/SB right turn lanes	C	4/20/89 38181	168,566												168,566
12 @ Donelson-signal upgrade	C	6/21/90 40371	7,783												7,783
8 Mile (Meadowbrook-Haggerty)	C	93 & 96 40121	251,343												251,343
Haggerty (10-GR)	C	41801	184,469												184,469
8 Mile, Novi to Meadowbrook	C	93 & 96 42151	139,421												139,421
14 Mile @ Decker	C	5/3/95 43231	72,960												72,960
Beck/I-96/12 Mile	C	8/16/95 43131	20,865												20,865
10 Mile @ Taft SCATS signals	C	1/25/01 46201	106,893												106,893
Grand River over CSX Bridge Replacement	C	4/10/03 38853	1,634,557												1,634,557
12 Mile Rd @ Cabot Drive signal installation	C	5/24/07 49071	135,476												135,476
Grand River, Novi to Haggerty PE	C	4/15/09 49881	225,000												225,000
Novi Rd Link, 10 Mile to Grand River-CON		10/14/10 41531	21,273	342,106	346,373	345,412	345,412	116,980							1,517,556
Grand River, Novi to Haggerty, construction	C	8/18/11 49881	0					35,997	155,524						191,521
8 Mile - Napier to Beck		5/23/13 51711	0							156,293	205,438	161,697			523,428
AMOUNT REMAINING FOR FUTURE PROJECT			0	0	0	0	0	0	0	0	0	0	0	159,089	159,089
TOTAL			3,276,772	342,106	346,373	345,412	345,412	152,977	155,524	156,293	205,438	161,697	159,089	5,647,093	
															5,647,093

MEMORANDUM



TO: CLAY PEARSON, CITY MANAGER
FROM: ROB HAYES, DIRECTOR OF PUBLIC SERVICES/CITY ENGINEER
SUBJECT: HAGGERTY ROAD BETWEEN 9 MILE AND 10 MILE ROADS
DATE: FEBRUARY 6, 2014

*2/6/14
To Mayor & City Council
Mahle
For your upcoming consideration*

A lane drop occurs where one through lane is merged into another (for example, reducing a 4-lane roadway to a 3-lane section). Over the years, several lane drops along Haggerty Road south of Ten Mile Road have been eliminated. In 2007, the City of Novi funded the elimination of three lane drops between Nine Mile and Eight Mile Roads: one on the west/Novi side and two on the east/Farmington Hills side of Haggerty. All involved widening the roadway from a 3-lane to a 4-lane section. Last summer, Farmington Hills' Mahle, Inc. expansion project included the widening of Haggerty to eliminate another lane drop on the east side of Haggerty.

R

Now there is a single remaining lane drop, which is located on the west side of Haggerty that starts a 1/4-mile south of Ten Mile (just south of Westminster Circle) and continues for approximately 700 feet (north of the Mahle project):



Filling this gap has been scoped as a potential project in the proposed FY14/15 Capital Improvements Program (CIP), and has a total estimated project cost of \$110,000.

We approached colleagues at the City of Farmington Hills' Department of Public Services to see if they would be amenable to participating in this project, since Novi solely funded eliminating the three lane drops in 2007. Because we were contemplating the use of Tri-Party funds for this project, Farmington Hills has agreed to participate by contributing up to half of our Tri-Party share (half of one-third of the cost, which equates to 16.67% or roughly \$18,500). We recently received word that our annual Tri-Party allocation for 2014 would be \$159,089. Therefore, we propose to dedicate Tri-Party funding toward the construction of this project; and because the Road Commission for Oakland County (RCOC) does not currently have the bandwidth to complete project design, we would retain a design consultant to prepare construction drawings and specifications. Once the project is designed and we have a better defined cost estimate, we would allocate any leftover Tri-Party funds to one of several future road projects.

Our plan is to present a resolution designating this project for 2014 Tri-Party funding at the February 18 City Council meeting. The award of a contract for design services would be presented at Council's March 10 meeting.

Please let me know if you have any questions, comments or concerns in regard to the planned approach to complete this project.

cc: Victor Cardenas, Assistant City Manager
David Molloy, Director of Public Services
Brian Coburn, Engineering Manager
Carl Johnson, Finance Director

Hayes, Rob

From: Gary Mekjian <GMekjian@fhgov.com>
Sent: Thursday, January 30, 2014 9:37 AM
To: Hayes, Rob
Cc: James Cubera; Steve Brock
Subject: Re: Haggerty South of Ten Mile - Follow-up

Rob,

I have discussed this issue with Steve Brock and we propose that the City of Farmington Hills will contribute in an amount not to exceed \$18,500. We arrived at this number based on your project cost estimate, and the City of Novi asking RCOG to construct this as a tri-party project.

If you have any other questions please call me.

Gary M. Mekjian, P.E.
Director of Public Services
City of Farmington Hills, MI
31555 W. Eleven Mile Road
Farmington Hills, MI 48336
Office: (248) 871-2535

>>> Gary Mekjian 1/8/2014 4:09 PM >>>

Rob,

please forward to me the location, scope, and project cost estimate for the proposed project. Once I have this, I'll take a look at it with my staff. Some initial concerns are that based on it being a relatively small project, unit pricing will come in over estimate, at least that's been our recent experience on a similar county road project in the Hills. Also, if this has to be bid through MDOT, it's going to drive the costs up too.

>>> "Hayes, Rob" <rhayes@cityofnovi.org> 1/8/2014 1:55 PM >>>

Hey, Gary:

Now I recall the other program Tom mentioned that could fund this last lane drop gap and is something I've not heard of before: the Federal "National Highway Performance Program" (NHPP – a new component of MAP-21?). The earliest we could see construction under NHPP would be 2016.

Also just to clarify, filling this last gap would result in a continuous 4-lane section (I think I said 3 lanes over the phone).

Thanks again for checking into this,

Rob

Pearson, Clay

From: Hayes, Rob
Sent: Thursday, January 09, 2014 11:34 AM
To: Pearson, Clay
Subject: FW: Haggerty South of Ten Mile - Follow-up
Attachments: 132-04 Haggerty Road Widening.pdf

1/9/14
To: Mayor & City Council Members

Clay:

FYI – Farmington Hills is actually looking into helping to fund this small project.

More to follow,

Rob

We are continuing to look at ways for further improvements on RCOC's Haggerty Road, this is the south of Ten Mile Road segment. Looking at 14/15 for Tri-Party funds w/ Farmington Hills.

From: Hayes, Rob
Sent: Thursday, January 09, 2014 11:33 AM
To: Gary Mekjian (GMekjian@fhgov.com)
Cc: Coburn, Brian
Subject: RE: Haggerty South of Ten Mile - Follow-up

Hi Gary:

The project location is the lane drop on the west side of Haggerty that starts a 1/4-mile south of Ten Mile (just south of Westminster Circle) and continues for approximately 700 feet (a few hundred feet north of the POE of the Mahle project):

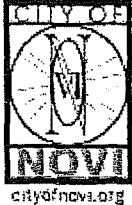


From the attached estimate, you can see that we're already using relatively higher unit costs for this small job. My hope is that this could be a Tri-Party project whereby we would each contribute equally in the local one-third cost share, so there'd be no LAP involvement.

This is the last remaining lane drop on either side of Haggerty south of Ten. You may recall that Novi worked with RCOC to fund the removal of 3 lane drops on the east side of Haggerty and 1 on the west side between 8 and 9 Mile back in 2007.

Thanks again for considering this proposal,

Rob



Rob Hayes, P.E. | Director of Public Services/City Engineer
City of Novi | 45175 Ten Mile Road | Novi, MI 48375 USA
t: 248-735-5636 f: 248-735-5659

cityofnovi.org | InvestNovi.org

To receive monthly e-news from Novi or follow us on Facebook, [click here](#).

From: Gary Mekjian [<mailto:GMekjian@fhgov.com>]
Sent: Wednesday, January 08, 2014 4:10 PM
To: Hayes, Rob
Subject: Re: Haggerty South of Ten Mile - Follow-up

Rob,

please forward to me the location, scope, and project cost estimate for the proposed project. Once I have this, I'll take a look at it with my staff. Some initial concerns are that based on it being a relatively small project, unit pricing will come in over estimate, at least that's been our recent experience on a similar county road project in the Hills. Also, if this has to be bid through MDOT, it's going to drive the costs up too.

**PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COSTS
HAGGERTY GAP, SOUTH OF TEN MILE AT STONEHENGE**

December 2013

No.	Description	Unit	Estimated Quantity	Unit Price	Total
	Pre-construction Audio Visual	LSUM	1	\$ 1,000.00	\$ 1,000.00
	Soil Erosion Control	LSUM	1	\$ 1,500.00	\$ 1,500.00
	Maintaining Traffic	LSUM	1	\$ 10,000.00	\$ 10,000.00
	Concrete Curb & Gutter	LF	200	\$ 12.00	\$ 2,400.00
	Pavement Rem	SY	244	\$ 8.00	\$ 1,955.56
	Aggregate Base 8-inch	SY	1013	\$ 8.00	\$ 8,106.67
	HMA 2C, 4-inch	Ton	222	\$ 60.00	\$ 13,320.00
	HMA 3C, 3-inch	Ton	167	\$ 60.00	\$ 10,020.00
	HMA 4C, 2-inch	Ton	111	\$ 70.00	\$ 7,770.00
	Culvert Extension	LF	25	\$ 30.00	\$ 750.00
	ADA Ramp Improvements	LSUM	1	\$ 10,000.00	\$ 10,000.00
	Pavement Marking & Signs	LSUM	1	\$ 1,500.00	\$ 1,500.00
	Restoration	LSUM	1	\$ 2,500.00	\$ 2,500.00
	Station Grading for Widening	Sta	5.7	\$ 250.00	\$ 1,425.00
	Mobilization	LSUM	1	\$ 3,612.36	\$ 3,612.36
	CONSTRUCTION TOTAL				\$ 75,859.58
	Engineering, Legal and Administrative (25%)				\$ 18,964.90
	Contingency (20%)				\$ 15,171.92
	Right-of-way Acquisition				\$ -
	BUDGET TOTAL				\$ 109,996.40

NOTES:

Assumes replacement of tapers at both entrances.