



# CITY of NOVI CITY COUNCIL

**Agenda Item 1  
August 8, 2011**

**SUBJECT:** Approval of cost participation agreement with Road Commission for Oakland County for Grand River Avenue, Novi Road to Haggerty Road rehabilitation project in the estimated amount of \$208,182.

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

**CITY MANAGER APPROVAL:** *[Signature]*

*RSH*

<b>EXPENDITURE REQUIRED</b>	<b>\$208,182 (includes \$63,840 in previously allocated Tri-party funds for 2010 and 2011)</b>
<b>AMOUNT BUDGETED</b>	<b>\$515,000</b>
<b>LINE ITEM NUMBER</b>	<b>204-204.00-865.705</b>

**BACKGROUND INFORMATION:**

The Road Commission for Oakland County (RCOC) is requesting approval of the attached Cost Participation Agreement for the rehabilitation and repaving of Grand River Avenue between Novi Road and Haggerty Road. The project includes the repair, mill and overlay of the existing road along with additional right turn lanes and tapers to improve safety.

The total cost of the repaving project is estimated to be \$3,722,633, of which \$3,050,906 is funded with federal grant funds. The remaining \$671,727 in project costs will be funded as follows: 1) Tri-Party funds (\$191,521, of which \$63,840 is Novi's share); 2) RCOC is responsible for \$335,864 (excluding Tri-Party funding); and 3) Novi's direct contribution of \$144,372 (Novi's contribution of \$208,182 includes Novi's share of \$63,840 for Tri-Party funding, plus \$144,372 direct contribution). The Road Commission for Oakland County was able to secure additional federal funding for this project by using funds from other projects in Oakland County that were cancelled (some due to the lack of local matching funds). The additional funding reduced the City's share of the costs for the project, which was originally estimated to be \$515,000.

The final plans for the project have been submitted to Michigan Department of Transportation (MDOT) and it is anticipated that the project will be included in the September 2011 bid letting. (MDOT is responsible for administering the project since federal funds are being used.) RCOC is anticipating that heavy maintenance will be performed on isolated sections of Grand River Avenue that are in the worst condition this fall, with the remainder of the project to be completed in 2012.

**RECOMMENDED ACTION:** Approval of cost participation agreement with Road Commission for Oakland County for Grand River Avenue, Novi Road to Haggerty Road rehabilitation project in the estimated amount of \$208,182.

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

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



# Grand River Avenue Rehabilitation Project

## Novi Road to Haggery Road



Map Author: Brian Coburn  
 Date: 8/2/11  
 Project:  
 Version #:

#### MAP INTERPRETATION NOTICE

Map information depicted is not intended to replace or substitute for any official or primary source. This map was prepared in accordance with the National Map Accuracy Standards and uses 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**  
 Engineering Division  
 Department of Public Services  
 26300 Delwal Drive  
 Novi, MI 48375  
[cityofnovi.org](http://cityofnovi.org)





**COST PARTICIPATION AGREEMENT**

**CONSTRUCTION**

Grand River Avenue

East of Novi Road to Haggerty Road

City of Novi

BOARD Project No. 49881

This Agreement, made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2011, by and between the Board of Road Commissioners for the County of Oakland, Michigan, hereinafter referred to as the BOARD, the City of Novi, hereinafter referred to as the COMMUNITY, provides as follows:

WHEREAS, the BOARD and the COMMUNITY, in cooperation with the Michigan Department of Transportation, hereinafter referred to as MDOT, have programmed the milling and HMA resurfacing with drainage and signal improvements on Grand River Avenue from east of Novi Road to Haggerty Road, described in Exhibit "A", attached hereto and made a part hereof. The improvements involve roads under the jurisdiction of the BOARD, and within the COMMUNITY, and are hereinafter referred to as the PROJECT; and

WHEREAS, the estimated total PROJECT cost is \$3,722,633; and

WHEREAS, the BOARD shall enter into a contract with MDOT for partial funding of the PROJECT with federal program dollars under the Federal Surface Transportation Program Fund in the amount of \$1,967,226, and the High Priority Program Fund in the amount of \$1,083,680; and

WHEREAS, the BOARD, as the requesting party therein, will be the party financially responsible to MDOT to bear all costs of the PROJECT in excess of federal funds, hereinafter referred to as the LOCAL MATCH; and

WHEREAS, the parties hereto have reached a mutual understanding regarding the cost sharing for the LOCAL MATCH and wish to commit that understanding to writing in this Agreement.

NOW, THEREFORE, in consideration of the mutual covenants set forth herein and in conformity with applicable law, it is hereby agreed between the parties hereto as follows:

1. The BOARD will forthwith undertake and complete the PROJECT, as above described, and will perform all engineering, inspection and administration in reference thereto.
2. The actual total cost of the PROJECT shall include total payments to the contractor, construction engineering and inspection, force accounts, construction and permanent traffic controls.
3. The PROJECT will be funded as follows:
  - a. The BOARD shall enter into a contract with MDOT for partial funding of the PROJECT with the Federal Surface Transportation Program Fund, estimated in the amount of \$1,967,226 and the High Priority Program Fund, estimated in the amount of \$1,083,680.
  - b. The BOARD shall contribute \$335,863.50 to the cost of the LOCAL MATCH.
  - c. The COMMUNITY shall contribute \$144,342.50 to the cost of the LOCAL MATCH.
  - d. All remaining costs of the LOCAL MATCH, estimated to be \$191,521 shall be funded with Tri-Party Program Funds.
  - e. Any COMMUNITY costs above the Tri-Party Program fund amount of \$191,521 will be funded first with any available Tri-Party Program Funds. If no Tri-Party Program Funds are available, any COMMUNITY costs above \$191,521 will be funded 100% by the COMMUNITY.
  - f. Upon execution of this agreement, the BOARD shall submit an invoice to the COMMUNITY for \$72,171 (being 50% of their non Tri-Party contribution) and \$31,920 (being 50% of their Tri-Party contribution).
  - g. After execution of this agreement, the BOARD shall submit an invoice to the COUNTY on October 5, 2011 for \$31,920 (being 50% of their Tri-Party contribution).

1. The invoice shall be sent to:

Mr. Tim Soave, Manager of Fiscal Services  
Executive Office Building  
2100 Pontiac Lake Road, Building 41 West  
Waterford, MI 48328

4. As costs of the PROJECT are incurred, the BOARD shall invoice the COMMUNITY for the remaining 50% of the COMMUNITY'S Tri-Party contribution not to exceed \$31,920 and for the remaining 50% of their non Tri-Party Contribution of \$72,171.
5. As costs of the PROJECT are incurred, the BOARD shall invoice the COUNTY for the remaining 50% of the COUNTY'S Tri-Party contribution not to exceed \$31,920.
6. Upon receipt of said invoice, the COMMUNITY and the COUNTY shall pay to the BOARD the full amount thereof, within thirty (30) days of such receipt.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the day and date first written above.

BOARD OF ROAD COMMISSIONERS FOR THE  
COUNTY OF OAKLAND  
A Public Body Corporate

By \_\_\_\_\_

Its \_\_\_\_\_

City of Novi

By \_\_\_\_\_

Its \_\_\_\_\_

**EXHIBIT A**

2011

County Supported Road Improvements

Grand River Avenue

East of Novi Road to Haggerty Road

In The

City of Novi

BOARD Project No. 49881

**ESTIMATED PROJECT COST**

Contractor Payments	\$ 3,384,633
Construction Engineering	338,000
Total Project Cost	<u>\$3,722,633</u>
Less Federal Funds	(3,050,906)
LOCAL MATCH	<u>\$ 671,727</u>

**BREAKDOWN OF LOCAL MATCH**

	COMMUNITY	COUNTY	BOARD	TOTAL
Contribution	\$ 144,342	\$ 0	\$ 335,864	\$ 480,206
FY10 Tri-Party	11,999	11,999	11,999	\$ 35,997
FY11 Tri-Party	51,841	51,841	51,842	\$ 155,524
TOTAL SHARES	\$ 208,182	\$ 63,840	\$ 399,705	\$ 671,727



## MEMORANDUM

3/21/2011  
To: Mayor and City  
Council members  
For future  
consideration.  
Clay

**TO:** ROB HAYES, P.E.; DIRECTOR OF PUBLIC SERVICES  
**FROM:** BRIAN COBURN, P.E.; ENGINEERING MANAGER *BIC*  
**SUBJECT:** RCOC TRI-PARTY PROGRAM FOR 2011  
**DATE:** MARCH 21, 2011

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As stated in the attached letter from the Road Commission for Oakland County, the City of Novi's allotment for the 2011 Tri-Party Program is \$155,524, of which \$51,841 is Novi's share and the \$103,683 balance from Oakland County and Road Commission for Oakland County (RCOC). Additionally, there is \$35,997 remaining from the 2010 program that could be allocated to a project for a total amount of \$191,521 available.

The Oakland County Federal Aid Task Force voted last month to move the Grand River Avenue (Novi Road to Haggerty Road) Rehabilitation project forward for funding in fiscal year 2011 at the request of the City of Novi and RCOC. The City's share of the Grand River project is \$515,000.

Staff recommends that the \$191,521 of total available Tri-Party Funds be allocated to the Grand River Avenue (Novi Road to Haggerty Road) Rehabilitation project. The remaining \$323,479 would be recommended for funding from the Municipal Street Fund.

A resolution in this regard will be prepared for City Council consideration at a future meeting.

cc: Victor Cardenas, Assistant City Manager  
Kathy Smith-Roy, Finance Director





cc: Rob Hayes  
Brian Coburn  
Aaron Staup

March 10, 2011

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

**Board of Road Commissioners**

**Ronald J. Fowkes**  
Commissioner

**Gregory C. Jamian**  
Commissioner

**Eric S. Wilson**  
Commissioner

**Brent O. Balr**  
Managing Director

**Dennis G. Kolar, P.E.**  
Deputy Managing Director  
County Highway Engineer

RE: FY 2011 Tri-Party Program

Dear Mr. Pearson:

Your participation is requested in the FY 2011 Tri-Party Program for road improvements. The fiscal year governing this program is October 1, 2010 through September 30, 2011. 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 2011. 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.

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  
248-645-5555

TDD  
248-645-5555

[www.rcocweb.org](http://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 2000 Census.

As in the past, RCOC road miles change only to reflect abandonment's, 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 used. Currently, the average annual crash data from 2007 to 2009 is being used.

Your program allotment for this year is **\$155,524** and your share will be **\$51,841**. Any funds remaining from previous years may be added to this amount for use in 2011. You may use these funds to select a new project, continue funding a previous project, or save them to fund a future project. 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 2011 construction must be selected and submitted with a local board or council resolution by May 2011.
- 2) Project locations and concepts must be approved by the County Board and the Road Commission for Oakland County.
- 3) Projects that cost more than the allocation may be selected if the community provides the additional funding.
- 4) Funding agreements must be executed before bids are accepted. On larger projects, a separate agreement for preliminary engineering or right of way may be executed prior to initiation of these phases.
- 5) Projects that improve road safety take precedence over other project types, i.e. congestion or drainage.
- 6) Due to the Road Commission's current road project commitments, preliminary and construction engineering may need to be provided by consultant engineers at a maximum rate of 10% and 15%, respectively, of estimated construction costs.

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 2011	Potential project locations submitted to Programming Division for review.
June 2011	Local council resolutions and project commitments submitted for projects to be constructed in 2011.
July 2011	Project approval for Road Commission and County Board.
July – December, 2011	Design, bidding and/or construction period.

I urge you to consider your options for projects now and involve your council members early in the process. Please contact me as soon as possible for cost estimates. The closer we follow the above schedule, the more successful our 2011 Tri-Party construction season will be.



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 Citizen 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 cursive script that reads "Thomas G. Noechel".

Thomas G. Noechel  
Programming Supervisor

TGN/sk



2011 TRI-PARTY PROGRAM  
CITY OF NOVI  
ALLOCATION FOR 2011: \$155,524

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	\$100,000 per approach
Approach paving – subdivision street	\$ 50,000
Approach paving – primary road	\$ 75,000
Passing lane	\$ 60,000
Widen for 150-200' center left-turn lane	\$200,000 per approach
Shoulder paving one side	\$ 45,000 per mile

<b>POTENTIAL PROJECT LOCATIONS</b>
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Grand River Avenue, Novi Road to Haggerty Road	Widen
Napier Road, Nine Mile Road to Twelve Mile Road	Pave gravel
Novi Road, Ten Mile Road to Grand River Avenue	Widen with grade separation
Eight Mile Road, Napier Road to Beck Road	Resurface
12 Mile Road, Beck Road to Dixon Road	Widen

ROAD COMMISSION FOR OAKLAND COUNTY  
TRI-PARTY PROGRAM  
1989-2010

PROJECT DESCRIPTION	Date of Agrmt	PROJ. NO.	1980-95 Tri-Party	1996-97 Tri-Party	1998-99 Tri-Party	2000-01 Tri-Party	2002-03 Tri-Party	2004 Tri-Party	2005 Tri-Party	2006 Tri-Party	2007 Tri-Party	2008 Tri-Party	2009 Tri-Party	2010 Tri-Party	2011 Tri-Party	PROJ TOTAL
NOVI (B-Philip J. Weipert, S-Kathy Crawford)																
10 Mile @ Lynwood*	C	35331	57,900													57,900
Haggerty @ Orchard Hill*	C	36131	82,000													82,000
6 Mile @ Haggerty*	C	37441	71,250													71,250
G.R. @ Meadowbrook1*	C	3/23/1994	39541	97,016												97,016
G.R. @ Beck-add WB/SB right turn lanes*	C	4/20/1999	39181	168,566												168,566
12 @ Donelson-signal upgrade*	C	6/21/1990	40371	7,783												7,783
8 Mile (Meadowbrook-Haggerty)	C	33 & 7/31/95	40121	251,343												251,343
Haggerty (10-GR)*	C		41801	184,409												184,409
8 Mile, Novi to Meadowbrook-reconst/widen to 5 lns	C	93 & 7/31/96	42151	139,421												139,421
14 Mile @ Decker-reconst inters w/exit NB turn lanes*	C	5/9/1995	43231	72,960												72,960
Beck/1-98/12 Mile-redesign & reconst w/new signal	C	8/16/1995	43131	20,865												20,865
10 Mile @ Taft SCATS signals*	C	1/25/2001	46201			106,893										106,893
Grand River over CSX Bridge Replacement*	C	4/10/2003	38853	135,610	280,148	330,464	223,571	626,745	58,119							1,634,537
12 Mile Rd @ Cabot Drive signal installation*	C	5/24/2007	49071					155,478								155,478
Grand River, Novi to Haggerty PE (reopened)		4/15/2009	49881					26,339	198,661							225,000
Novi Rd "Link", 10 Mile Rd to Grand River Ave -CON		10/14/2010	41551						21,273	342,106	346,373	345,412	345,412	116,980		1,617,556
future project			0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>			<b>1,289,083</b>	<b>280,148</b>	<b>330,464</b>	<b>330,464</b>	<b>626,745</b>	<b>219,934</b>	<b>219,934</b>	<b>342,106</b>	<b>346,373</b>	<b>345,412</b>	<b>345,412</b>	<b>152,977</b>	<b>155,524</b>	<b>4,964,576</b>

C\*means project is complete and/or has used all the available tri-party  
 means the project is being administered by the community