



# CITY of NOVI CITY COUNCIL

Agenda Item D  
February 25, 2008

**SUBJECT:** Approval of Resolution authorizing participation in the Road Commission for Oakland County's 2008 Tri-Party Program for Road Improvements dedicating Novi's 2008 allotment of Tri-Party funds to the Novi Road Link project between Ten Mile Road and Grand River Avenue.

**SUBMITTING DEPARTMENT:** Engineering *RH*

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

**BACKGROUND INFORMATION:**

Since 1985, the City of Novi has chosen to participate in the Road Commission for Oakland County's (RCOC) annual Tri-Party Program for Road Improvements (Rob Hayes' February 12<sup>th</sup> memorandum with letter from RCOC, attached). Costs for projects identified for participation are 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 (Twelve Mile/Cabot, Ten Mile/Taft), as well as major road improvement projects (Grand River Bridge over CSX Railroad, Novi Road Link project from Grand River to Ten Mile). Based on fund distribution formulas, Novi's 2008 allocation totals \$345,412 for FY 2008, with \$115,137 identified as Novi's cost share

We are recommending that the Novi Road Link project between Ten Mile Road and Grand River Avenue again be designated Tri-Party funding. This project, which is currently in the final design and right-of-way acquisition phase, will include a bridge over the existing CSX Railroad at-grade crossing, and Novi Road widening to five lanes. Designating the Novi Road Link project to receive 2008 Tri-Party funds will assist in the overall funding of this ongoing project, which has become even more critical because RCOC is experiencing an escalation in right-of-way acquisition costs and higher estimated construction costs.

The attached Resolution would formally designate the Novi Road Link project for 2008 Tri-Party funding.

**RECOMMENDED ACTION:** Approval of Resolution authorizing participation in the Road Commission for Oakland County's 2008 Tri-Party Program for Road Improvements dedicating Novi's 2008 allotment of Tri-Party funds to the Novi Road Link project between Ten Mile Road and Grand River Avenue.

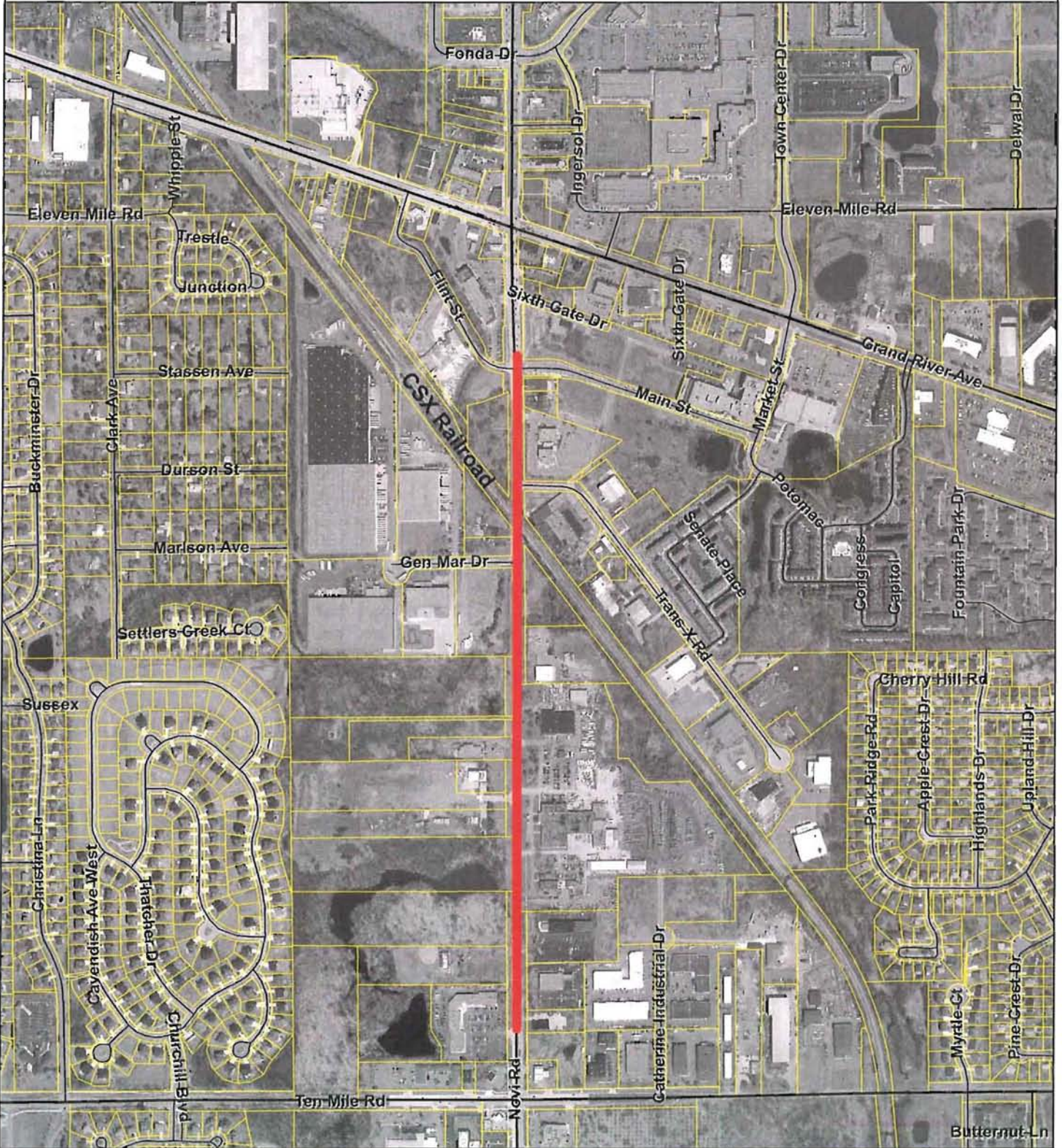
|                         | 1 | 2 | Y | N |
|-------------------------|---|---|---|---|
| Mayor Landry            |   |   |   |   |
| Mayor Pro Tem Capello   |   |   |   |   |
| Council Member Crawford |   |   |   |   |
| Council Member Gatt     |   |   |   |   |

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

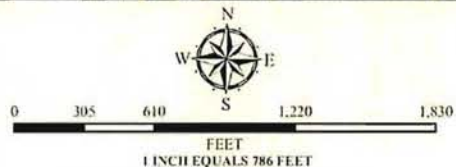


# Novi Road Link Project

## Between Grand River Avenue and Ten Mile Road



**CITY OF NOVI**  
ENGINEERING DEPARTMENT  
NOVI CITY HALL CIVIC CENTER  
45175 W. TEN MILE ROAD  
NOVI, MI 48375-3024  
(248) 347-0454  
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**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.





## RESOLUTION OF PARTICIPATION 2008 TRI-PARTY PROGRAM

### CITY COUNCIL

Mayor  
David B. Landry

Mayor Pro Tem  
Kim Capello

Bob Gatt

Terry K. Margolis

Andrew Mutch

Kathy Crawford

Dave Staudt

City Manager  
Clay J. Pearson

City Clerk  
Maryanne Cornelius

**WHEREAS,** the Road Commission for Oakland County has invited the City of Novi to participate in the Fiscal Year 2008 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,** \$345,412 has been allocated for Novi with the total 2008 contribution from the City of Novi totaling \$115,137; and,

**WHEREAS,** the Novi Road Link project between Ten Mile Road and Grand River Avenue has been designated for funding in the Tri-Party Program since 2004.

**NOW, THEREFORE, BE IT RESOLVED** that the Mayor and Council of the City of Novi authorize participation in the Road Commission for Oakland County's 2008 Tri-Party Program for Road Improvements and designate the Novi Road Link project between Ten Mile Road and Grand River Avenue for funding.

### CERTIFICATION

I, Maryanne Cornelius, duly appointed Clerk of the City of Novi, do hereby certify that the foregoing is a true and complete copy of a resolution adopted by the City Council of the City of Novi at a Regular meeting held this 25th day of February, 2008.

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Maryanne Cornelius  
City Clerk

## MEMORANDUM



**TO:** PAM ANTIL, ASSISTANT CITY MANAGER  
**FROM:** ROB HAYES, CITY ENGINEER *R74*  
**SUBJECT:** 2008 TRI-PARTY FUNDING  
**DATE:** FEBRUARY 12, 2008

The Road Commission for Oakland County (RCOC) has requested that the City of Novi participate in the FY 2008 Tri-Party Program for Road Improvements (November 8, 2007 letter from RCOC is attached). The City of Novi's allocation this year totals \$345,412. Projects identified for participation in this program must be submitted to RCOC in the form of a Council resolution by the end of this month.

I recommend that the Novi Road Link project between Ten Mile Road and Grand River Avenue again be the designated project for 2008 Tri-Party funding. This critical project is now scheduled to be constructed beginning late in the 2009 construction season, and will include widening Novi Road between Ten Mile and Grand River to five lanes and a bridge over the CSX Railroad right-of-way.

Designating the Novi Road Link project to again receive Tri-Party funds will assist in the overall funding of this upcoming project. RCOC reports that cost overruns for right-of-way acquisition coupled with estimated construction costs that are higher than previously anticipated have resulted in Novi's current unfunded cost share for this project to be \$1.074 million.

The 2004 through 2007 Tri-Party program balances earmarked for the Novi Road Link project total \$934,752. With the \$345,412 in Tri-Party funds allocated to Novi for the 2008 Tri-Party Program, total designated dollars to help fund this project would total \$1,280,164.

I plan on bringing this recommendation for consideration at the February 25<sup>th</sup> Council meeting. Please let me know if you have any questions or need further information regarding this funding opportunity.

cc: Clay Pearson, City Manager  
Kathy Smith-Roy, Finance Director  
Brian Coburn, Civil Engineer



November 8, 2007

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

RE: FY 2008 Tri-Party Program

Dear Mr. Pearson:

Your participation is requested in the FY 2008 Tri-Party Program for road improvements. The fiscal year governing this program is October 1, 2007 through September 30, 2008. The Oakland County Board of Commissioners has approved a Tri-Party budget of \$2,250,000 to create a \$6,750,000 program for FY 2008. A total of \$3,375,000 will be designated for townships and a total of \$3,375,000 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 but small populations.

11/13/07  
To: Rob Hayes  
Pls handle.  
cc: Maxine N  
KSR  
Barry McC  
Brian C.  
\$345,412 to Novi, same as last year.

Board of Road Commissioners

Larry P. Crake  
Commissioner

Richard G. Skarritt  
Commissioner

Eric S. Wilson  
Commissioner

Brent O. Bair  
Managing Director

Dennis G. Kolar  
Deputy Managing Director  
County Highway Engineer

Programming Division  
Engineering Department

31001 Lahser Road  
Beverly Hills, MI  
48025

248-645-2000

FAX  
248-645-0618

TDD  
248-645-9923

www.rcocweb.org





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ROAD COMMISSION FOR OAKLAND COUNTY  
"WE CARE"

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

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

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 new 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 2003 to 2005 is being used.

Your program allotment for this year is **\$345,412** amount of which your share will be **\$115,137**. Any funds remaining from previous years or earlier projects may be added to this amount for use in 2008. 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 2008 construction must be selected and submitted with a local board or council resolution by February 2008.
- 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  |
|------------------------|---|
| January 2008           | Potential project locations submitted to <i>Programming Division</i> for review.                    |
| February 2008          | Local council resolutions and project commitments submitted for projects to be constructed in 2008. |
| March 2008             | Project approval for Road Commission and County Board.  |
| April – November, 2008 | 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 2008 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) 645-0000, extension 2266 for further discussion or assistance.

Sincerely,

Thomas G. Noechel  
Programming Supervisor

TGN/se



2008 TRI-PARTY PROGRAM

CITY OF NOVI

ALLOCATION FOR 2008: \$345,412

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.

| <b>SAFETY PROJECTS</b>                     | <b>GENERAL COSTS</b>   |
|--|------------------------|
| 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     |

POTENTIAL PROJECT LOCATIONS

|   |                             |
|---|-----------------------------|
| Grand River Avenue, Novi Road to Haggerty Road  | Widen                       |
| Napier Road, Nine Mile Road to Twelve Mile Road | Pave gravel                 |
| Novi Road, Eight Mile Road to Ten Mile Road     | Widen to five lanes         |
| Novi Road, Ten Mile Road to Grand River Avenue  | Widen with grade separation |
| Ten Mile Road at Beck Road                      | Right turn lane             |

ROAD COMMISSION FOR OAKLAND COUNTY  
TRI-PARTY PROGRAM  
1980-2008

| PROJECT DESCRIPTION                                   | C | Date of Agrmt | PROJ. NO. | 1980-84 | 1985   | 1986   | 1987-88 | 1989-91 | 1992-93 | 1994-95 | 1996-97 | 1998-99 | 2000-01 | 2002-03 | 2004    | 2005    | 2006    | 2007    | 2008    | PROJ TOTAL |
|---|---|---------------|-----------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------------|
| NOVI (8-Jeff Potter, 9-Hugh D. Crawford)              |   |               |           |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |            |
| 10 Mile @ Lynwood*                                    | C |               | 35331     |         | 57,900 |        |         |         |         |         |         |         |         |         |         |         |         |         |         | 57,900     |
| Haggerty @ Orchar Hill*                               | C |               | 36131     |         |        | 82,000 |         |         |         |         |         |         |         |         |         |         |         |         |         | 82,000     |
| 9 Mile @ Haggerty*                                    | C |               | 37441     |         |        |        | 71,250  |         |         |         |         |         |         |         |         |         |         |         |         | 71,250     |
| 10 Mile @ Taftl CANCEL                                |   |               | CANCEL    |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         | 0          |
| G.R. @ Meadowbrook!                                   | C | 3/23/1994     | 39541     |         |        |        | 31,725  | 65,291  |         |         |         |         |         |         |         |         |         |         |         | 97,016     |
| G.R. @ Beck-add WB/SB right turn lanes*               | C | 4/20/1989     | 38181     |         |        |        | 137,891 | 30,675  |         |         |         |         |         |         |         |         |         |         |         | 168,566    |
| 12 @ Donelson-signal upgrade*                         | C | 6/21/1990     | 40371     |         |        |        |         | 7,783   |         |         |         |         |         |         |         |         |         |         |         | 7,783      |
| 8 Mile (Meadowbrook-Haggerty)                         | C | 93 & 7/31/96  | 40121     |         |        |        |         | 227,699 | 23,107  | 537     |         |         |         |         |         |         |         |         |         | 251,343    |
| Haggerty (10-GR)*                                     | C |               | 41801     |         |        |        |         | 52,739  | 131,730 |         |         |         |         |         |         |         |         |         |         | 184,469    |
| 8 Mile, Novi to Meadowbrook-reconst/widen to 5 lns    | C | 93 & 7/31/96  | 42151     |         |        |        |         |         | 108,466 | 30,955  |         |         |         |         |         |         |         |         |         | 139,421    |
| 14 Mile @ Decker-reconst inters w/ext NB turn lanes!  | C | 5/3/1995      | 43231     |         |        |        |         |         | 72,960  |         |         |         |         |         |         |         |         |         |         | 72,960     |
| Beck/J-99/12 Mile-redesign & reconst w/new signal     | C | 8/16/1995     | 43131     |         |        |        |         |         | 20,865  |         |         |         |         |         |         |         |         |         |         | 20,865     |
| Grand River over CSX Bridge Replacement Est final 6/0 |   | 4/10/2003     | 38853     |         |        |        |         |         |         | 135,510 | 260,148 | 330,464 | 223,571 | 626,745 | 58,119  |         |         |         |         | 1,634,557  |
| Novi @ Expo Center!                                   |   |               | CANCEL    |         |        |        |         |         |         |         |         | 0       |         |         |         |         |         |         |         | 0          |
| 10 Mile @ Taft SCATS signals*                         | C | 1/25/2001     | 46201     |         |        |        |         |         |         |         |         |         | 106,893 |         |         |         |         |         |         | 106,893    |
| Novi Rd "Link", 10 Mile Rd to Grand River Ave.        |   | No Agrmt      |           |         |        |        |         |         |         |         |         |         |         | 26,339  | 219,934 | 342,106 | 346,373 |         |         | 934,752    |
| 12 Mile Rd @ Cabot Drive signal installation!         | C | 5/24/2007     | 49071     |         |        |        |         |         |         |         |         |         |         | 135,476 |         |         |         |         |         | 135,476    |
| future project  |   |               |           |         |        |        |         |         |         |         |         |         | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 345,412    |
| TOTAL   |   |               |           | 0       | 57,900 | 82,000 | 240,866 | 384,187 | 263,303 | 260,827 | 260,148 | 330,464 | 330,464 | 626,745 | 219,934 | 219,934 | 342,106 | 346,373 | 345,412 | 4,310,663  |

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



Project Cost Analysis  
 Novi Road Reconstruction Project - Ten Mile Road to Grand River Avenue  
 City of Novi, Oakland County, Michigan

| Project #   | Estimated Project Cost | Estimate per RCOC Agreement                |                             | City of Novi Local Match (50%)<br><i>RCOC 50%</i> |
|---|------------------------|--|-----------------------------|---|
|   |                        | Less: Est. Federal / State Funding Sources | Estimated Total Local Match |   |
| <b>1. Preliminary Engineering Cost</b>                    |                        |  |                             |   |
| 1. Actual PE cost as of 05/02/2002                        | \$ 465,242             | \$ (187,800)                               | \$ 277,442                  | \$ 138,721  |
| 2. Estimated PE cost following 05/02/2002                 | 41531 784,758          | (641,400)                                  | 143,358                     | 71,679  |
|   | 1,250,000              | (829,200)                                  | 420,800                     | 210,400   |
| <b>2. Right of Way Related Costs</b>                      |                        |  |                             |   |
| 1. Right of Way Acquisition Cost                          | 41531 12,068,000       | (9,654,400)                                | 2,413,600                   | 1,206,800   |
| <b>NOVI SHARE of Local Match (50%)</b>                    |                        |  |                             | 1,417,200   |
| <b>3. Estimated construction cost (per RCOC)</b>          | \$ 17,500,000          |  |                             | 1,750,000   |
| <b>Total Estimated Project Cost</b>                       |                        |  |                             | <b>\$ 3,167,200</b>                               |
| <b>Total Payments Based on Actual Costs (thru 2/2008)</b> |                        |  |                             | <b>\$ 1,187,210</b>                               |
| <b>Estimated Balance Remaining</b>                        |                        |  |                             | <b>\$ 1,979,990</b>                               |
| <b>Source of Funds:</b>                                   |                        |  |                             |   |
|   |                        | RCOC Tri-Party                             | 2004                        | \$ 108,335  |
|   |                        |  | 2005                        | 146,623   |
|   |                        |  | 2006                        | 165,319   |
|   |                        |  | 2007                        | 230,915   |
|   |                        | (Two-thirds of \$345,000)                  | 2008                        | 230,000   |
|   |                        |  | PA 48 ROW Funds             | 268,000   |
|   |                        |  | Municipal Street Fund       | 830,798   |
|   |                        |  |                             | <b>\$ 1,979,990</b>                               |

2/21/08