



# CITY of NOVI CITY COUNCIL

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**Agenda Item 4**  
**May 14, 2007**

**SUBJECT** Consideration of a revised scope and cost participation arrangement with the Road Commission for Oakland County for the Haggerty Road widening project between Eight Mile and Ten Mile Roads.

**SUBMITTING DEPARTMENT:** Engineering Department *RJA*

**CITY MANAGER APPROVAL:**

<b>EXPENDITURE REQUIRED</b>	<b>N/A</b>
<b>AMOUNT BUDGETED</b>	<b>N/A</b>
<b>APPROPRIATION REQUIRED</b>	<b>N/A</b>
<b>LINE ITEM NUMBER</b>	<b>N/A</b>

**BACKGROUND INFORMATION:**

Last October, Council approved an agreement to participate in a project with the Road Commission for Oakland County (RCOC) and the City of Farmington Hills to widen portions of Haggerty Road that create traffic safety issues in both cities. Originally, the affected portions of southbound Haggerty in Novi included the following gaps: the Stonehenge Gap between Stonehenge Boulevard and Meeting Hall Lane; the Country Lane Gap between Country Lane and Pavilion Drive; the Orchard Hill Gap between High Point Drive and Orchard Hill Place; and, the Nine Mile Gap directly south of Nine Mile Road (map and Rob Hayes' June 14, 2006 memorandum, attached). The Nine Mile Gap was removed from RCOC's design scope because of the significant amount of right-of-way that would need to be acquired from AJR Haggerty/Novi, LLC (parcel owner south of Leavitt's parcel at the corner of Nine and Haggerty). Although the City of Novi entered into the project's Local Cost Participation Agreement last year, the City of Farmington Hills has recently decided not to participate in the project.

RCOC's current design includes a total of 1,490 linear feet of lane widening (three gaps) in Novi and 2,830 feet (five gaps) in Farmington Hills. The original cost share agreement called for Novi, Farmington Hills and RCOC to each pay one-third of the project's cost, or \$340,000 of the \$1,020,000 total estimated cost (including right-of-way and engineering costs).

We met with RCOC staff to discuss this and other key RCOC projects on April 25, 2007. RCOC's Deputy Director, Dennis Kolar, indicated that because Farmington Hills has opted-out of the project, Novi would now have pay for two-thirds of the total project cost in order to proceed with the project. Mr. Kolar went on to explain that only constructing the west (Novi) side of the project is not possible, and that the only option short of completing the entire project as scoped would be to construct all gaps between either Eight and Nine Mile, or Nine Mile and Ten Mile Roads. The following table describes the gaps to be widened, their lengths and estimated construction costs between each mile road for both Novi and Farmington Hills:

Haggerty Widening Between:	Novi		Farmington Hills		Total Length	Total Estimated Construction & Engin'g Cost
	# Gaps	Gap Length (ft)	# Gaps	Gap Length (ft)		
8 and 9	1 (Orchard Hills)	520	3	1680	2200	\$360,000
9 and 10	2 (Stonehenge, Country PI)	970	2	1150	2120	\$375,000

Although there is only one Novi gap (Orchard Hills Gap) between Eight and Nine Mile compared to two gaps between Nine and Ten Mile (Stonehenge and Country Lane Gaps), the aggregate improvement between Eight and Nine (including the three gaps in Farmington Hills) is larger and has a lower overall cost than what is currently designed between Nine and Ten Mile Roads. Also, the average daily traffic between Eight and Nine is higher than the ADT between Nine and Ten Mile Roads. Most importantly, recent crash data from the Michigan State Police's traffic accident data base reveals that portions of Haggerty Road between Eight and Nine have the fourth and fifth highest crash incidence in the City of Novi. Finally, Novi commercial parcels comprise roughly 66% of Haggerty Road frontage between Eight and Nine because the City of Novi bounds both sides of Haggerty south of Orchard Hill Place to Eight Mile Road (see attached map). Consequently, Novi businesses would derive a larger benefit from this improvement than would Farmington Hills businesses that front Haggerty Road between Eight and Nine Mile Roads.

Therefore, Council may wish to participate in the construction of the Haggerty Road widening project between Eight and Nine Mile Roads and share this cost solely with RCOC. The proposed cost share arrangement for this reduced project scope, including estimated right-of-way costs, would be:

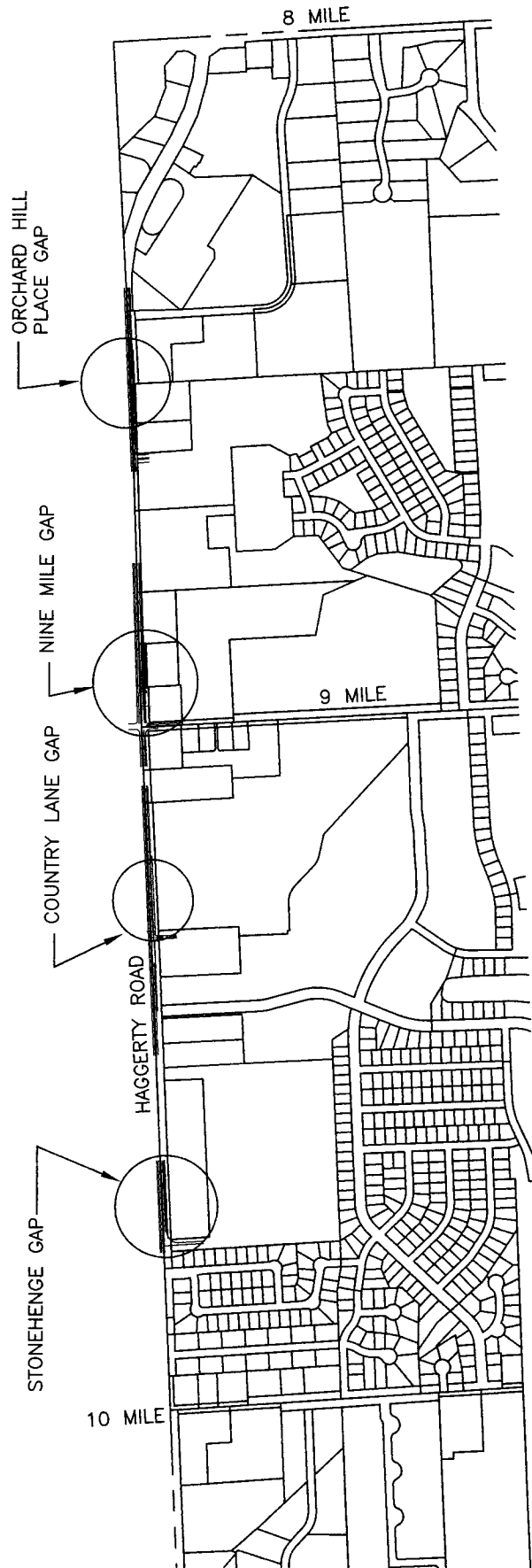
<b>Project Phase</b>	<b>Total Cost</b>	<b>RCOC's Cost (33%)</b>	<b>Novi's Cost (67%)</b>
Right-of-way	\$ 57,000	\$ 18,810	\$ 38,190
Construction & Engineering	\$360,000	\$118,800	\$241,200
<b>Totals:</b>	<b>\$417,000</b>	<b>\$137,610</b>	<b>\$279,390</b>

A total of \$340,000 was appropriated in FY06/07 for this project. If Council agrees with this approach, a revised Local Cost Participation Agreement will be prepared by RCOC and presented for approval at a future City Council meeting.

**RECOMMENDED ACTION:** Consideration of a revised scope and cost participation arrangement with the Road Commission for Oakland County for the Haggerty Road widening project between Eight Mile and Ten Mile Roads.

	<b>1</b>	<b>2</b>	<b>Y</b>	<b>N</b>
<b>Mayor Landry</b>				
<b>Mayor Pro Tem Capello</b>				
<b>Council Member Gatt</b>				
<b>Council Member Margolis</b>				

	<b>1</b>	<b>2</b>	<b>Y</b>	<b>N</b>
<b>Council Member Mutch</b>				
<b>Council Member Nagy</b>				
<b>Council Member Paul</b>				



NOTE: THE EXISTING AND PROPOSED PAVEMENT LIMITS, ROW, PROPERTY LINES, AND UTILITIES ARE APPROXIMATE AND ARE FOR ROADWAY SCOPING PURPOSES ONLY.

## HAGGERTY ROAD GAPS - LOCATION MAP

SCALE: NONE



NORTH



engineers

scientists

architects

constructors

**City of Novi**  
Novi, Michigan

Haggerty Road Gap Scoping

PROJECT NO.

G06236

Location Map



6-14-06

To: Mayor and City Council Members

Getting ready for '06/'07.

*Clay Pearson*

**MEMORANDUM**

TO: Clay Pearson, Interim City Manager  
FROM: Rob Hayes, PE, City Engineer *RH*  
DATE: June 14, 2006  
SUBJECT: **Haggerty Road/Eight Mile to Ten Mile Road Widening Project**

This memorandum summarizes the meeting we attended yesterday with Dennis Kolar, County Highway Engineer for the Road Commission for Oakland County (RCOC); and Steve Brock (City Manager) and Skip Otwell (City Engineer) from the City of Farmington Hills. Although the new budget year has yet to begin, meeting with these key decision-makers early allowed us to proactively lay the groundwork for the Haggerty Road Widening Project.

As background, Novi's FY 2006-2007 Budget includes as a funded capital improvement project the widening of Haggerty Road to eliminate "pinch points" that exist on the outer southbound lane between Eight Mile and Ten Mile Roads. The City's budgeted amount for this project is \$300,000. Last month, the City approached RCOC and Farmington Hills and both expressed an interest in potentially participating in a joint widening project. RCOC recently prepared a conceptual design and cost estimate that includes improvements on both sides of Haggerty Road. The cost estimate is summarized as follows:

Preliminary & Construction Engineering:	\$ 193,000
Right-of-Way	\$ 57,000
Construction	<u>\$ 770,000</u>
Total Cost	\$1,020,000

At yesterday's meeting, Mr. Brock was generally amenable to participating with Novi and RCOC in the preliminary and construction engineering phase of the project. (Mr. Brock will work to get Farmington Hills' share of right-of-way acquisition and construction programmed in its FY 2007-2008 budget.) As a Tri-Party project, Novi's initial contribution to the project will be roughly \$65,000. Although engineering will commence now, based on RCOC's current project workload, Mr. Kolar anticipates that the project will be bid this winter with construction beginning in Spring 2007.

Another item discussed was the list of other RCOC-jurisdiction projects in the City of Novi. We specifically reviewed the scope of the eastbound Twelve Mile Road to northbound West Park Drive center left turn lane expansion project. Mr. Kolar tacitly concurred with the project's concept and will evaluate it further with his engineering staff.

Please contact me if you have any questions in regards to this memorandum.

cc: Kathy Smith-Roy, Finance Director  
Brian Coburn, Civil Engineer



QUALITY LIFE THROUGH GOOD ROADS:  
ROAD COMMISSION FOR OAKLAND COUNTY  
"WE CARE"

September 25, 2006

9-27-06  
To: Rob H  
cc: Kathy SR

Pls review/process  
for consideration.  
-Clay

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

Board of Road Commissioners

Rudy D. Lozano  
Chairman

Larry P. Crake  
Vice-Chairman

Richard G. Skarritt  
Commissioner

Brent O. Bair  
Managing Director

Dennis G. Kolar  
Deputy Managing Director  
County Highway Engineer

RE: Haggerty Road, Eight Mile Road to Ten Mile Road  
Local Cost Participation Agreement  
RCOC Project No. 48921

Dear Mr. Pearson:

Enclosed for your review and approval is two original sets of the local cost participation agreement for the widening of various sections along Haggerty Road.

Please arrange for signatures but do not date all original sets and forward signed agreements to me. Our Board will return a fully executed original to you after action.

Please call me at 248 645-2000, extension 2213, if you should have any questions.

Respectfully,

*Sina Escoe*

Sina Escoe, Engineering Aide  
Programming Division  
[sescoe@rcoc.org](mailto:sescoe@rcoc.org)

Enclosures (2)

Engineering Department

31001 Lahser Road  
Beverly Hills, MI  
48025

248-645-2000

FAX  
248-645-0618

TDD  
248-645-9923

[www.rcocweb.org](http://www.rcocweb.org)

## **COST PARTICIPATION AGREEMENT**

### **HAGGERTY ROAD**

Eight Mile Road to Ten Mile Road  
City of Novi and City of Farmington Hills  
BOARD Project No. 48921

This Agreement, made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2006, 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 NOVI; and

WHEREAS, the BOARD, FARMINGTON HILLS, and in conjunction with the City of Farmington Hills, hereinafter referred to as FARMINGTON HILLS, have programmed the widening of various sections along Haggerty Road, from Eight Mile Road to Ten Mile Road, a border road located on the boundary between the Cities of Novi and Farmington Hills, and is under the jurisdiction of the BOARD, hereinafter referred to as the PROJECT; and

WHEREAS, the estimated total PROJECT cost is \$1,020,000; and

WHEREAS, the parties hereto have reached a mutual understanding regarding cost sharing of the PROJECT cost 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. NOVI and FARMINGTON HILLS approve of the PROJECT, declare its public necessity, and authorize the BOARD to forthwith undertake and complete the PROJECT, as above described, and to perform all engineering, inspection, and administration in reference thereto.
2. The actual total cost of the PROJECT may include total payments to the contractor, preliminary and construction engineering, material testing and inspection, construction and permanent traffic controls, and right of way acquisition related costs.
3. All costs of the PROJECT shall be shared 1/3 by the BOARD, 1/3 by NOVI, and 1/3 by FARMINGTON HILLS, estimated in the amount of \$340,000, respectively, as indicated in Exhibit A.

4. Upon execution of this Agreement, the BOARD shall submit an invoice to NOVI for \$170,000 (being half of NOVI'S share of the PROJECT cost), as initial payment toward the PROJECT costs.
5. The BOARD shall invoice NOVI and FARMINGTON HILLS periodically as additional costs accrue, after the initial payment has been expended.
6. Within 30 days upon completion of the PROJECT construction, the BOARD shall determine the final total PROJECT cost from the records of the BOARD. Once final adjustments in the financial obligations of the parties hereto have been made, the BOARD shall submit a final invoice to NOVI for the remainder of their share of the estimated final PROJECT cost.
7. NOVI and FARMINGTON HILLS represent and warrant to the BOARD that they have sufficient funds available to pay their obligations under this Agreement and shall pay to the BOARD all sums due within 30 days of receipt of progress billings.
8. The BOARD shall enter into a separate cost participation agreement with FARMINGTON HILLS for funding of their respective share of the PROJECT costs.

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 \_\_\_\_\_

By \_\_\_\_\_

Its \_\_\_\_\_

**EXHIBIT A**  
**HAGGERTY ROAD**  
 Eight Mile Road to Ten Mile Road  
 In the  
 City of Novi and City of Farmington Hills  
 BOARD Project No. 48921

The 9-inch HMA widening of Haggerty Road by filling in gaps to result in continuous four-lane design for a safer and more efficient roadway between existing turn lanes and/or passing lanes for approximately eight locations, and mill and overlay deteriorated pavement sections.

<b>ESTIMATED PROJECT COST</b>
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	TOTAL
Preliminary Engineering (10% of contractor payments)	\$ 77,000
Contractor Payments	770,000
Construction Engineering (15% of contractors payments)	116,000
Right of Way Acquisition	57,000
<b>ESTIMATED TOTAL PROJECT COST</b>	<b><u>\$1,020,000</u></b>

<b>DISTRIBUTION OF PROJECT COST</b>
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	ESTIMATED TOTAL SHARE(S)
BOARD	\$ 340,000
NOVI	340,000
FARMINGTON HILLS	<u>340,000</u>
<b>ESTIMATED TOTAL PROJECT COST</b>	<b><u>\$1,020,000</u></b>





Brook-Forest-Rd  
Deerfield-Rd  
Winfield-Rd  
Sheridan-Dr  
Oakwood-Dr  
Heatherwoode-Dr

Renford-Dr  
Talford-Dr  
Pleasant-Ct  
Fireside-Ct  
Lodge-Dr  
Haggerty-Rd  
Trillium-Dr  
Pavillion-Dr  
Woolsey-Dr  
Cranbrooke-Dr  
Pondview-Rd  
Nine-Mile-Rd

Mill-Rd-Ct  
Katie-Dr  
Glover-Ln  
Greentree-Ln  
Arbor-Ln  
Shadybrook-Dr  
Sunrise-Bldg

Crosswinds  
Edgewater  
High-Point  
Lafayette-Ln  
Sunflower-Dr  
Whispering-Ln  
Orchard Hill Place Gap

Coventry-Rd  
Cambridge-Dr  
Club-Ln  
Prestwick-Ct  
Eight-Mile-Rd

Orchard Hill Pl  
Haggerty-Pk  
Sturtevant-Bldg  
Haggerty-Rd

Farmington Hills Gap #3  
Farmington Hills Gap #2  
Farmington Hills Gap #1

City of Farmington Hills

**STONEHENGE GAP PHOTOS**



**Stonehenge Gap  
Overview looking south**



**Stonehenge Gap  
Culvert looking south**



**Stonehenge Gap  
Overview looking south**

COUNTRY LANE GAP PHOTOS



Country Lane Gap  
Overview looking south



Country Lane Gap  
Overview looking south



Country Lane Gap  
Overview looking south

ORCHARD HILL GAP PHOTOS



Orchard Hill Gap  
Overview looking south



Orchard Hill Gap  
Obstructions looking south



Orchard Hill Gap  
Obstructions and ditch looking south

Segment	2006		2005		2004	
	Rank	Crashes	Rank	Crashes	Rank	Crashes
Haggerty (Eight Mile to Orchard Hill PI)	5	28	3	37	1	41
Haggerty (Nine Mile to High Pointe)	4	32	9	25	9	25

#### Haggerty (Eight Mile to Orchard Hill PI) Breakdown

Type of Crash	Number	%
Rear End-Left Turn	3	3%
Other	4	4%
Single Motor Vehicle	4	4%
Head On-Left Turn	11	10%
Sideswipe	19	18%
Rear End	24	23%
Angle	41	39%

#### Haggerty (Nine Mile to High Pointe) Breakdown

Type of Crash	Number	%
Other	1	1%
Rear End-Left Turn	1	1%
Head On	2	2%
Head On-Left Turn	2	2%
Sideswipe	8	8%
Angle	9	8%
Rear End	59	56%

## Hayes, Rob

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**From:** Dennis Kolar [dkolar@rcoc.org]  
**Sent:** Monday, May 07, 2007 4:34 PM  
**To:** Hayes, Rob  
**Subject:** Re: Haggerty Widening

Rob, we still would want the split to be 2/3 City of Novi and 1/3 RCOC but the engineering cost would be less . The \$240,000 cost I gave you has the engineering costs in the number for the 8 to 9 mile road section with the RCOC share at \$ 120,000 for a total of \$ 360,000 plus right of way and that would be 2/3 City of Novi and 1/3 RCOC . We believe the cost will be less than \$ 57,000 but for now use it as the worse case scenario.  
Dennis

>>> "Hayes, Rob" <rhayes@cityofnovi.org> 05/07/07 12:17PM >>>  
Hi Dennis:

How would the cost share of the estimated \$193k in engineering costs and \$57,000 in ROW costs be impacted if we were to just do the 8 to 9 Mile stretch of this project? I'm trying to give Council an idea what the revised cost participation agreement would contain.

Thanks,

Rob