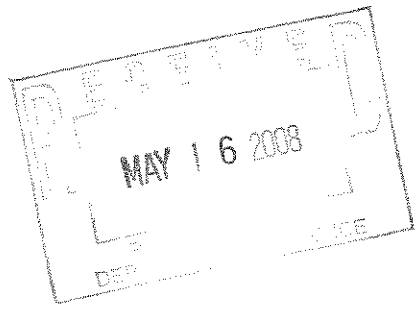




Detroit Edison

May 15, 2008

Mr. Paul Davis, City Engineer  
The City of Rochester Hills  
1000 Rochester Hills Drive  
Rochester Hills, MI 48309



Dear Mr. Davis,

Associated with the planned expansion of Hamlin Road in the City of Rochester Hills, the following is an estimate to relocate Detroit Edison facilities along Hamlin Road between Crooks and Livernois. Specifically, this estimate is limited to the relocation of Detroit Edison facilities which are currently located in a private easement. The facilities that are not in a private easement will be relocated at Detroit Edison's expense (excluding equipment installed for the City or Road Commission – such as traffic signals and road lighting).

A breakdown of the costs included in this project is as follows:

Design	\$ 95,567
Material	\$196,293
Labor	\$382,268
<u>Administration</u>	<u>\$161,790</u>
Total	\$835,918

While the actual costs may differ from this estimate, the total amount listed above is a "Not to Exceed" estimate. In other words, any costs over \$835,918 will be the responsibility of Detroit Edison (not including mutually agreed upon scope changes). Please reference Attachment A for a listing of assumptions used to develop this estimate.

The above estimate is based on a continuous project (i.e., without lengthy delays or frequent stoppages caused by others) and is based on receiving approval from the City of Rochester Hills within the next six months. It is also dependent upon obtaining the required permits, permanent easements, and rights of way. Detroit Edison's design work cannot begin until all necessary easements and rights of way are obtained. Relocation projects such as this typically take around six months to complete after receiving approval.

Please provide authorization for Detroit Edison to proceed with the aforementioned utility relocations, and to invoice The City of Rochester Hills in the amount of \$835,918.

If there are any questions, please contact Paul Zarins at (586) 412-2985.

Sincerely,

Paul Zarins  
Northeast Planning & Design



## ATTACHMENT "A"

**Assumptions for Preliminary Estimate  
Hamlin Road Expansion Project (between Crooks & Livernois)  
May 15, 2008**

**Preliminary Estimate Assumptions:**

- City of Rochester Hills will secure equivalent rights of way and easements for Detroit Edison facilities prior to the start of design and construction.
- This estimate does not include costs associated with securing or purchasing rights of way or easements from any property owners.
- Estimate is based on straight time, weekday (minimum seven continuous hours) work schedule. Timely completion of this project does not account for lengthy delays or frequent stoppages caused by others (i.e., other utilities, the City or its contractors, etc.).
- Written project "go ahead" and agreement to pay will be provided within six months of today's date (the estimate is based on current labor rates and material prices; it may need to be adjusted as time elapses). Change of design or scope will require a re-evaluation of the estimate.
- The estimate does not include relocation or removals of other utility poles, wire, or equipment such as traffic signal wires, cable TV wire, or telephone---please obtain a separate estimate from the appropriate parties.

**OAKLAND COUNTY  
FEDERAL-AID COMMITTEE**

**PROJECT ACTIVITIES COST ESTIMATE (PACE)  
For STP & CATEGORY "C"**

Agency: <u>Oakland County</u>	Project Name: <u>Proposed Reconstruction and Widening of Hamlin Road</u>
Limits: <u>Crooks Road east through the intersection of Livernois Road</u>	
Length: <u>1.74 miles</u>	Project Description: <u>The Proposed project is the widening and reconstruction of Hamlin road from Crooks Road east through the intersectoin of Livernois Road, located in section 20, 21, 22, 27, 28 and 29 of the City of Rochester Hills.</u>

PROJECT ACTIVITY Activity Details	Quantities	Units	Unit Costs	Detail Costs	ACTIVITY COSTS
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**CON**

<i>SITE PREPARATION:</i>					
Demolition of Structures				\$0.00	
Remove Existing Pavement	58,250.0	Syd	7.00	\$407,750.00	
Clearing / Tree Removal	140.0	Ea	345.00	\$48,300.00	
Wetland Mitigation	1.0	LS		\$0.00	
House Relocation	1.0	LS	350000.00	\$350,000.00	
Erosion Control	1.0	LS		\$21,050.00	\$827,100.00

<i>EARTHWORK:</i>					
Embankment	26,150.0	Cyd	5.00	\$130,750.00	
Excavation	62,750.0	Cyd	5.50	\$345,125.00	
Peat Excavation / Soil Stabilization	3,300.0	Cyd	16.00	\$52,800.00	
Undercutting	6,550.0	Cyd	16.00	\$104,800.00	
Sub-Base (Sand)	26,800.0	Cyd	14.50	\$388,600.00	
Base (Stone)	95,800.0	Syd	11.50	\$1,101,700.00	
Retaining Walls	1.0	LS	36,500.00	\$36,500.00	\$2,160,275.00

<i>DRAINAGE:</i>					
Bridges				\$0.00	
Sewers	14,760.0	Ft	51.00	\$752,760.00	
Culverts	135.0	Ft	32.00	\$4,320.00	
Edge Drains	32,500.0	Ft	6.50	\$211,250.00	
Catch Basins & Structures	160.0	Ea	2,500.00	\$400,000.00	
Other Drainage				\$0.00	\$1,368,330.00

<i>NEW PAVEMENT:</i>					
Pavement - Asphalt / Concrete	64,200.0	Syd	33.25	\$2,134,650.00	
Curb & Gutter	32,500.0	Ft	20.75	\$674,375.00	
Paved Shoulders				\$0.00	
Driveways	9,000.0	Syd	36.75	\$330,750.00	
Sidewalk / Pathway	124,800.0	Sft	3.00	\$374,400.00	
Other Pavement				\$0.00	\$3,514,175.00

<i>WORK ZONE TRAFFIC CONTROL:</i>					
Arrow Boards	5.0	Ea	1200	\$6,000.00	
Attenuators / Barrier Walls	660.0	Ft	38.25	\$25,245.00	
Barricades Type II	420.0	Ea	62.50	\$26,250.00	
Barricades Type III	100.0	Ea	93.50	\$9,350.00	
Flagger Control	1.0	LS	78,000.00	\$78,000.00	
Pavement Markings	65,600.0	Ft	1.75	\$114,800.00	
Signals & Electrical	1.0	LS	20,800.00	\$20,800.00	
Traffic & Detour Signs	2,200.0	Sft	3.25	\$7,150.00	
Other Traffic Control				\$0.00	\$287,595.00

<i>PERMANENT TRAFFIC CONTROL:</i>					
Signs	800	Sft	19.50	\$15,600.00	
Signals	1	LS	156,000.00	\$156,000.00	
Pavement Markings	124,100.0	Sft	0.50	\$62,050.00	
Guard Rail				\$0.00	
Other Traffic Control	1	LS	5,200.00	\$5,200.00	\$238,850.00

PROJECT ACTIVITY Activity Details	Quantities	Units	Unit Costs	Detail Costs	ACTIVITY COSTS
<b>UTILITY RELOCATION:</b>					
Fire Hydrants	42	Ea	3100	\$130,200.00	
Water Main	5600	Ft	104	\$582,400.00	
Sanitary Sewer				\$0.00	
Storm Sewer				\$0.00	
Telephone / Telegraph				\$0.00	
Fiber Optics				\$0.00	
Electrical (DE Tower)	1	LS	156,000.00	\$156,000.00	
Cable TV				\$0.00	
Gas / Oil				\$0.00	
Other Utility Relocation				\$0.00	\$868,600.00

<b>RESTORATION:</b>					
Topsoil	40,700	Syd	2.25	\$91,575.00	
Seed & Mulch				\$0.00	
Sod	40,700	Syd	5.25	\$213,675.00	
Fertilizer				\$0.00	
Landscaping Plants / Trees				\$0.00	
Other Restoration				\$0.00	\$305,250.00

<b>MISCELLANEOUS:</b>					
Mobilization				\$421,200.00	
Other Miscellaneous					\$421,200.00

<b>SUB-TOTAL CONSTRUCTION PHASE</b>					<b>\$9,991,375.00</b>
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<b>CONSTRUCTION ENGINEERING:</b>					
Layout / Staking			0.00	\$299,741.25	
Inspection			0.00	\$999,137.50	
Quality Control / Testing			0.00	\$199,827.50	\$1,498,706.25
<b>CONTINGENCY (Max. 10% of Sub-total)</b>					\$999,137.50

<b>TOTAL CONSTRUCTION PHASE</b>					<b>\$12,489,218.75</b>
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**PE**

<b>PRELIMINARY ENGINEERING:</b>					
Survey / Testing			0.00	\$70,000.00	
Design			0.00	\$700,000.00	
Environmental Assessment			0.00	\$0.00	
<b>TOTAL PRELIMINARY ENGINEERING</b>					<b>\$770,000.00</b>

**ROW**

[To qualify for funding, ROW costs must equal or exceed \$500,000 in a \$2,000,000 project]

<b>RIGHT OF WAY:</b>					
Acquisition	431,783.0	sft	8.50	\$3,670,155.50	
Relocation Assistance				\$0.00	
<b>TOTAL RIGHT OF WAY</b>					<b>\$3,670,155.50</b>

	PE	ROW	CON	TOTAL
<b>TOTAL PROJECT COSTS</b>	\$770,000.00	\$3,670,155.50	\$12,489,218.75	\$16,929,374.25
<b>FUNDS REQUESTED</b>	\$616,000.00	\$2,936,124.40	\$9,991,375.00	\$13,543,499.40

Prepared By:

Name (Print or Type) \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_