



**City of Rochester Hills  
AGENDA SUMMARY  
NON-FINANCIAL ITEMS**

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**Legislative File No:** 2010-0364

**TO:** Mayor and City Council Members

**FROM:** Paul M. Davis, P.E., Acting DPS Director; ext. 2486

**DATE:** September 20, 2010

**SUBJECT:** Adams Road resurfacing between Auburn and South Boulevard  
City File No. E10-014

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**DISCUSSION INFORMATION:**

Currently, the Rochester Hills' proposed 2011-2013 budget includes the Adams Road Rehabilitation as major road project MR-05E. The estimated cost to Rochester Hills is listed as \$34,400.00 and this amount represents a 5% local contribution of the \$688,000.00 project listed in the 2011-2016 Capital Improvement Program. The remaining costs would be funded by a federal grant and local contributions from the City of Auburn Hills and the Road Commission for Oakland County (RCOC).

Rochester Hills was recently asked by Auburn Hills to increase the scope of project MR-05E to construct additional improvements to this corridor beyond what was originally included in the request for federal funding. Since the grant monies will not increase, additional work added into the project would be split 50/50 between the two Cities. The RCOC was contacted in response to the request from City Council for additional detail on the proposed project. Information contained from three e-mails was used to respond to council's request for greater detail on the expanded project scope request by Auburn Hills. The additional work and expected cost increases to the project are listed as follows:

- Current Project: Mill existing asphalt and place a 3-inch overlay. Cost is \$688,000
- Proposed addition 1: Add three foot paved shoulders. Incremental additional cost of \$86,000 (Cumulative total project cost increased to \$774,000)
- Proposed addition 2: Extend center turn lane for NB Adams to WB Auburn. Incremental additional cost of \$55,000 (Cumulative total project cost of \$829,000)
- Proposed addition 3: Add center left turn lane at Woodcrest Dr. Incremental additional cost of \$131,000 (Cumulative total project cost of \$960,000)
- Proposed addition 4: Add lengthened taper to NB Adams north of South Boulevard and pedestrian intersection improvements. Incremental additional cost of \$90,000 (Cumulative total project cost of \$1,050,000)

The above costs were provided by the RCOC and should be considered to be preliminary budgeting estimates based on comparable work from other projects. Preliminary design plans have not started since the scope of work has not yet been determined. Auburn Hills has already determined that they would like to expand the current project scope to include all four of the proposed additions.

Using of the federal funding requires that the road project incorporate upgrades to existing facilities that do not meet accessibility standards defined by the Americans with Disabilities Act of 1990 (ADA) and Section 504 of the Rehabilitation Act of 1973. Construction of new the pedestrian ramps at the intersection corners of South Boulevard and Adams will need to be done and the installation of the pedestrian push buttons will benefit the pedestrian users and efficiency of the traffic signal timing cycle. Also, the construction of the Smart Bus Stop concrete aprons is proposed to satisfy ADA requirements.

The three-foot wide paved shoulders proposed along Adams Road are not planned for bicycle lanes. The RCOC has not yet adopted the practice of providing bicycle lanes alongside traffic lanes on their roads. Instead of the bicycle lane, paving of the shoulders is suggested to move the edge transition of gravel and pavement further away from the typical vehicle travel path. A tire will be less likely to hit a depression in the gravel shoulder as it is further offset from the thru-lane edge. The paved shoulder distance provides a driver a recovery distance from the thru-lane thereby improving safety and also reduces tire and rim damage incidents. It should be noted that the paved shoulder width proposed for Adams is less than the existing eight-foot wide paved shoulders along Auburn Road that were required and installed by the Michigan Department of Transportation.

As stated earlier, the Rochester Hills budgeted cost of the project is currently estimated at \$34,400.00. A budget amendment to \$275,000.00 is been recommended to cover the increased share of local cost. This amount assumes that the Council will join Auburn Hills in support of adding the four options at a total project cost estimate of \$1,050,000 ( $\$1,050,000 - \$500,000 \text{ federal grant} = \$550,000 \div 2 \text{ communities} = \$275,000 \text{ Rochester Hills local share}$ ).

Lastly, it should be noted that the RCOC proposes to cover all costs at no cost to the communities for the engineering design, right-of-way/easement acquisition, contract administration and construction engineering costs associated with the project. The local share to Rochester Hills is planned to only invoice for the contractor payments for the construction work.

APPROVALS:	SIGNATURE	DATE
<b>Department Review</b>		
<b>Department Director</b>		
<b>Mayor</b>		
<b>City Council Liaison</b>		