



## CITY COUNCIL ACTION REPORT

Date: September 17, 2014

To: Brian Kischnick, City Manager

From: Mark F. Miller, Director of Economic and Community Development  
Steven J. Vandette, City Engineer

Subject: Troy Roads Rock – Ratification of Contract Change Order for Additional Work  
Concrete Slab Replacement on Long Lake, John R, Big Beaver & Dequindre

### **History:**

The Troy Roads Rock program was originally approved by City Council in the amount of \$5,106,000. Over the course of the program, information has been provided to City Council regarding the budget. In mid-July, City Manager Kischnick provided an email correspondence to the Mayor and Council discussing the need for additional funds in order to replace concrete slabs identified as work was progressing. The amount of additional funds was unknown at that time but estimated to be roughly \$400,000 based on a windshield survey.

As we are nearing the completion of the Troy portion of the TR2 program with Big Beaver, Rochester to Dequindre, nearly complete and the final project work on Dequindre, 14 Mile to Big Beaver, starting soon, a more accurate estimate of project costs is possible. The additional funds required are estimated at \$500,000 based on concrete slab replacement areas identified and marked in the field.

Inclusion of the additional \$500,000 brings the total amount of the City's portion of the TR2 program to a not to exceed amount of \$5,606,000.

### **Financial:**

Funds for the City of Troy's share will come from a transfer from the General Fund to the Capital Fund and \$106,000 from the Local Development Finance Authority (LDFA).

### **Recommendation:**

Staff recommends that City Council ratify the use of \$500,000 in additional General Fund dollars to complete the TR2 program for work on Long Lake, John R, Big Beaver and Dequindre Roads.

## William J Huotari

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**From:** Steven J Vandette  
**Sent:** Wednesday, September 17, 2014 1:16 PM  
**To:** William J Huotari  
**Subject:** FW: TR2- More Funds Needed for Big Beaver, Rochester to Dequindre

*Steve*

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**From:** Brian M Kischnick  
**Sent:** Wednesday, July 16, 2014 12:59 PM  
**To:** Dane Slater; Dave Henderson; Doug Tietz; Ed Pennington; Ellen Hodorek; Jim Campbell; Wade Fleming; Wade Fleming Other  
**Cc:** Brian M Kischnick; Steven J Vandette  
**Subject:** FW: TR2- More Funds Needed for Big Beaver, Rochester to Dequindre

Mayor and Council Members:

As a follow up to my email yesterday regarding the Troy Roads Rock program and the ongoing evaluation of the costs, Steve Vandette prepared the following information for clarification.

Council Member Tietz asked me to explain it in the following terms: Unless we spend 400k more we will not be able to do the project right because many of the slabs that need replacement will be left in place. Under this methodology (which is how Troy has operated in the past) we will be back to the area on a regular basis as funds are appropriated. As Steve Vandette states below, the number of slabs needing replacement is greater than was anticipated after a thorough review.

### **Brian M. Kischnick | City Manager**

City of Troy | 500 W. Big Beaver, Troy, MI 48084 | Cell: 989.233.7335 | [bkischnick@troymi.gov](mailto:bkischnick@troymi.gov)



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**From:** Steven J Vandette  
**Sent:** Tuesday, July 15, 2014 1:40 PM  
**To:** Brian M Kischnick  
**Subject:** RE: TR2- More Funds Needed for Big Beaver, Rochester to Dequindre

We have marked Big Beaver up to the \$5.1 million limit. If we do not spend more we will not be able to replace any pavement in 23 turnarounds between Rochester and Dequindre, many of which have large asphalt patches that will pop out again next spring. None of the westbound lanes would be touched except near the Rochester, John R and Dequindre intersections. Nothing in the Rochester intersection would be done, although there is not much there. None of the eastbound thru lanes for a quarter mile leading up to Dequindre would be done. This particular stretch has some long segments containing lots of asphalt patches. Essentially we started marking the intersections first, along with adjoining pavement, then the eastbound thru lanes of Big Beaver, but ran out of money before getting to Dequindre.

The estimates for each road were done in March, when snow was still on the ground and without the benefit of field survey. They were essentially educated "windshield" estimates used for the purpose of getting the work out for bids in March, as early as possible to get a good price, and early enough to start work when frost laws were lifted. We got a great price, but we did not have good information on the road conditions until we got out there and inspected them close up and marked the pavement during construction. We found that the roads were in much worse condition than we anticipated. Four out of five roads exceeded our estimates, but it was Long Lake that was the worst. Lots of ASR and micro cracking that could not be seen without putting an eyeball on it. Left in place they would have broken up in just a few years.

*Steve*

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**From:** Brian M Kischnick  
**Sent:** Tuesday, July 15, 2014 12:44 PM  
**To:** Steven J Vandette  
**Subject:** Fwd: TR2- More Funds Needed for Big Beaver, Rochester to Dequindre

Pls send my your answer for mr Tietz.

Brian M. Kischnick  
Troy City Manager  
(989) 233-7335

Begin forwarded message:

**From:** Doug Tietz <[Doug.Tietz@troymi.gov](mailto:Doug.Tietz@troymi.gov)>  
**Date:** July 15, 2014 at 12:14:05 PM EDT  
**To:** Brian M Kischnick <[B.Kischnick@troymi.gov](mailto:B.Kischnick@troymi.gov)>  
**Subject:** RE: TR2- More Funds Needed for Big Beaver, Rochester to Dequindre

Brian,  
Could you break out the decision making like this...

Unless we spend 400k more we will not be able to do (fill in the blank description) because ( this reason).

I assume that the initial estimate was low because it didn't accurately reflect the number of slabs needing replacement after a thorough investigation. Is that correct?

Just trying to get my head around the change.

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**From:** Brian M Kischnick  
**Sent:** Tuesday, July 15, 2014 7:49 AM  
**To:** Dane Slater; Dave Henderson; Doug Tietz; Ed Pennington; Ellen Hodorek; Jim Campbell; Wade Fleming; Wade Fleming Other  
**Cc:** Steven J Vandette; Brian M Kischnick  
**Subject:** FW: TR2- More Funds Needed for Big Beaver, Rochester to Dequindre

Mayor and Council Members:

Just as Steve Vandette concluded his comments at the last City Council meeting regarding Troy Roads Rock being under budget/on budget, the news of Big Beaver comes through. Please see

below the potential cost increase due to the volume of work determined in the field. My direction to Steve and staff throughout this project has been to do the job right. We are committed to repairing the roads so we are not back in these areas for a period of time. Of course, we are conservative and mindful of not spending unnecessary funds, but we want to get it done while we are in the area and be proud of the project.

**Brian M. Kischnick | City Manager**

City of Troy | 500 W. Big Beaver, Troy, MI 48084 | Cell: 989.233.7335  
|bkischnick@troymi.gov <image003.jpg> <image004.jpg>

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**From:** Steven J Vandette

**Sent:** Monday, July 14, 2014 11:54 AM

**To:** Brian M Kischnick

**Cc:** Mark F Miller; William J Huotari; Tom Darling; Kurt Bovensiep; Timothy L Richnak

**Subject:** TR2- More Funds Needed for Big Beaver, Rochester to Dequindre

Brian, Big Beaver has been marked to the limit of our \$5.1 M overall budget, which includes all the other roads. I rode it today with Bob Shenk and quickly determined our budget is not enough. None of the turn lanes, most of the westbound thru and some eastbound thru lanes are not marked yet. Based on what I saw, I estimate another \$400k is needed to properly take care of everything from Rochester to Dequindre. Approximately \$450k is marked right now. I've directed Bob to proceed with more marking, up to the new limit. That will be done in the next week or so. If he can't mark it all with this extra \$400k he'll let me know. Keep in mind this \$400k is based on a windshield survey; it may end up being more or it may be less. I'll keep you posted.

Meanwhile, John R could be poured out by the end of this week, if weather cooperates. The John R/Big Beaver intersection is not included. That entire intersection will be replaced with the Big Beaver work.

**Steven Vandette, P.E. | City Engineer**

City of Troy | 500 W. Big Beaver, Troy, MI 48084 | Office: 248.554.3383  
|troymi.gov <image001.jpg> <image002.jpg>

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