



## CITY COUNCIL REPORT

Date: November 18, 2014

To: Brian Kischnick, City Manager

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

Subject: Troy-RCOC Concrete Repair Program (Troy Roads Rock)  
Presented by Bill Huotari, Deputy City Engineer/Traffic Engineer

Troy Roads Rock (TR2) was the most ambitious road improvement program ever undertaken by the City in cooperation with the Road Commission for Oakland County (RCOC). Comprehensive concrete pavement replacement and asphalt overlay work was done on these roads throughout the City:

### **City Managed Projects**

- Long Lake, Rochester to Livernois
- Livernois, North of Long Lake
- John R, Long Lake to Maple Road
- Big Beaver, Rochester to Dequindre
- Dequindre, Big Beaver to 14 Mile
- Long Lake, Adams to Northfield Parkway
- Long Lake, Northfield Parkway to I-75

### **RCOC Managed Projects**

- Crooks, Wattles to Square Lake
- Big Beaver, Adams to City Hall
- Livernois, South of Town Center

The City of Troy contributed approximately \$5.6M towards the overall project. Funds from federal, state and RCOC partners contributed another \$7M.

Our partners at the Road Commission for Oakland County (RCOC) provided the inspection, testing, pavement markings and traffic signal loops, which saved the program approximately \$2M so that more of the funds could be used for concrete pavement replacement.

Staff in the Community Affairs and IT Departments took the TR2 nomenclature and turned it into a website that was used to provide updates on the progress of the program which had well over 9,000 page views during construction.

Engineering and DPW staff were actively involved in bi-weekly progress meetings with the City's contractor, coordination of projects, managing calls and emails and directing Troy's portion of TR2 from April to late October.

Construction started off with Long Lake in early April and then moving to John R in late spring. As the construction ramped up in early summer, several projects were under way at the same time. At one point during the construction season, there were five different contractors working on five different roads at the same time.

As several projects carried over to the start of the school year, bus traffic, parents dropping kids off, etc. considerably increased the volumes during rush hours. Obviously this created traffic delays, as all roads under the program are major County roads that carry significant volumes of traffic. Traffic problems culminated with near gridlock on Big Beaver, between Adams and City Hall on the RCOC project that started in the fall.

Coordination of the projects and specifically using "boots on the ground" in conjunction with a direct line to the RCOC Traffic Signal Division was established. This was a concerted effort between Police, DPW, Engineering and the RCOC.

Troy Police assigned several officers to road construction with an emphasis on Big Beaver. These officers were tasked with daily monitoring traffic along Big Beaver. They did far more than "monitor traffic". Officers were literally the "boots on the ground" and observed traffic, moved barrels/cones, directed traffic, assisted in lane closures, you name it they did it. DPW was called on numerous times to provide traffic control devices or to make signs to help direct traffic. Everybody came together to do what was necessary to keep traffic moving and keep the work areas safe.

The most significant endeavor was daily monitoring of the traffic signal operations at each intersection along the corridor by Troy Police. Officers would observe traffic and call the traffic signal engineer at the RCOC and have signal timings adjusted on the fly, direct that traffic signals be put into flash mode, etc. to keep traffic moving. Traffic saw immediate improvements and during non-peak hours traffic moved relatively well.

While there were still times during peak hours that traffic would back up, the use of Police Department officers coupled with a direct line to the RCOC traffic department kept traffic moving to the highest degree possible.

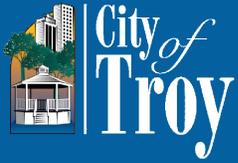
It was a very long construction season that taxed our resources as well as residents and business owner's patience, but in the end the condition of County roads was significantly improved over what there had been for many years. Many of our neighbors have taken note of the work that went on in Troy and have commented on the TR2 program and the condition of our roads relative to their community's. Rather than have

Troy roads being recognized for their poor condition, now they are generating positive comments relative to their condition from inside as well as outside Troy.

TR2 would not have been possible without the support of City Council, residents and business owners being understanding and patient as well as the numerous staff members from all departments and the RCOC.

There are areas that were not able to be replaced that will be reviewed for a future program, but we consider the first round of TR2 to be an overwhelming success and something that we all should be proud of.

Individuals involved in TR2 are attached but many others also contributed to the success of the program.

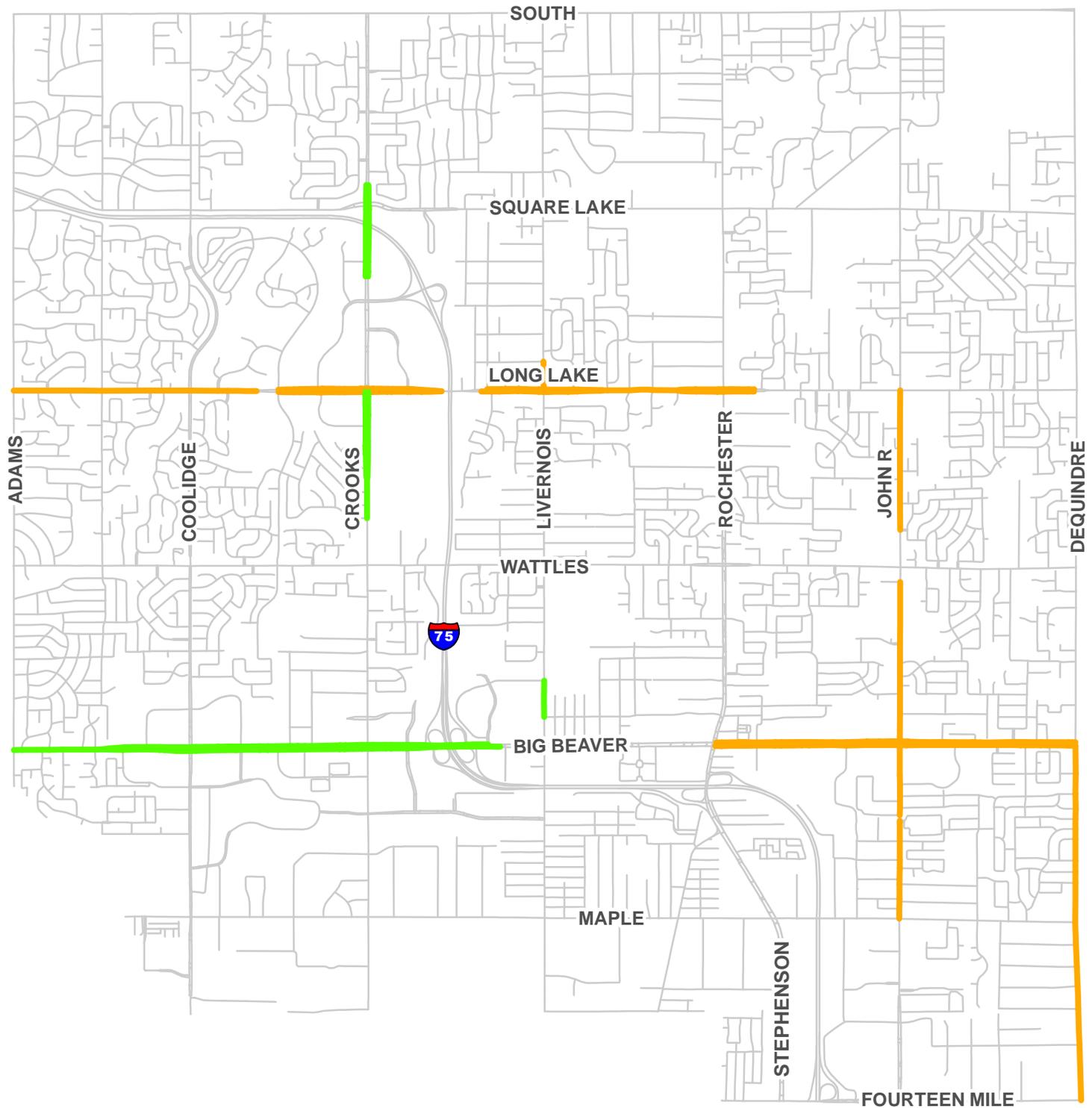


# Troy Roads Rock

- RCOC Managed Projects
- City Managed Projects



Date: 11/25/2014





## CITY COUNCIL AGENDA ITEM

---

Date: November 18, 2014

Subject: Troy Roads Rock Project Recognition

---

### **Thank You for Making Troy Roads Rock:**

Kurt Bovensiep, DPW  
Tim Richnak, DPW  
Mike Sackner, DPW  
Bob Shenk, DPW  
Ashely Levin, DPW  
Darryl Raska, DPW  
Tracey Crane, DPW  
Bob Schultz, DPW

Scott Finlay, Engineering  
Bill Huotari, Engineering  
Joe Lietaert, Engineering  
Janet Parsons, Engineering  
Steve Vandette, Engineering

Alex Bellak, Information Technology  
Paul Evans, Planning

Mark Miller, CMO  
Andrew Opalewski, CMO  
Cindy Stewart, CMO

Sgt. Szuminski, Police  
Officer Stansbury, Police  
Officer Linton, Police  
Officer Morse, Police  
Frank Nastasi, Police

Rachel Jones, Traffic Signal Engineer/Oakland County Road Commission  
Robert Defrain, HRC  
Courtland Richardson, HRC  
RCOC – Lisa New, Mike Torres, Gary Piotrowicz, Dennis Kolar