



CITY of NOVI CITY COUNCIL

**Agenda Item Q
June 16, 2014**

SUBJECT: Approval to temporarily raise the load limits on Beck Road south of Ten Mile Road from 13,000 pounds per axle to 16,000 pounds per axle for the duration of the Road Commission for Oakland County's Eight Mile Road (Taft to Beck) project.

SUBMITTING DEPARTMENT: Department of Public Services *R34*

CITY MANAGER APPROVAL: *[Signature]*

BACKGROUND INFORMATION:

Work on Eight Mile Road between Taft and Beck Roads in Northville and Northville Township will be commencing on June 16 when the contractor begins to mobilize equipment and materials to the job site. The project's detour route for truck traffic is Novi Road, Ten Mile Road and Beck Road; however, Beck is rated a Class B-Restricted route per the City's Roadway Weight Classification Map (attached), and loads are limited to 13,000 pounds per axle. Ten Mile and Novi Road are rated Class A-Restricted and All-Weather, respectively, and therefore can handle the highest allowable load of 16,000 pounds per axle (see attached memo dated June 11, 2014).

Despite its Class B rating, the likelihood of damage to Beck Road south of Ten Mile is low because of the short duration of the project (expected completion date of August 29), the relatively low volume of commercial truck traffic to be diverted (RCOC's estimate is 432 trucks per day), and the fact that the detour will be in effect when the roadbed will neither be saturated nor subjected to freeze/thaw cycles - factors that otherwise could cause significant damage to the pavement. Additionally, Beck Road south of Nine Mile is slated for rehabilitation in FY 16/17, or possibly sooner if Federal grant funding is obtained before then.

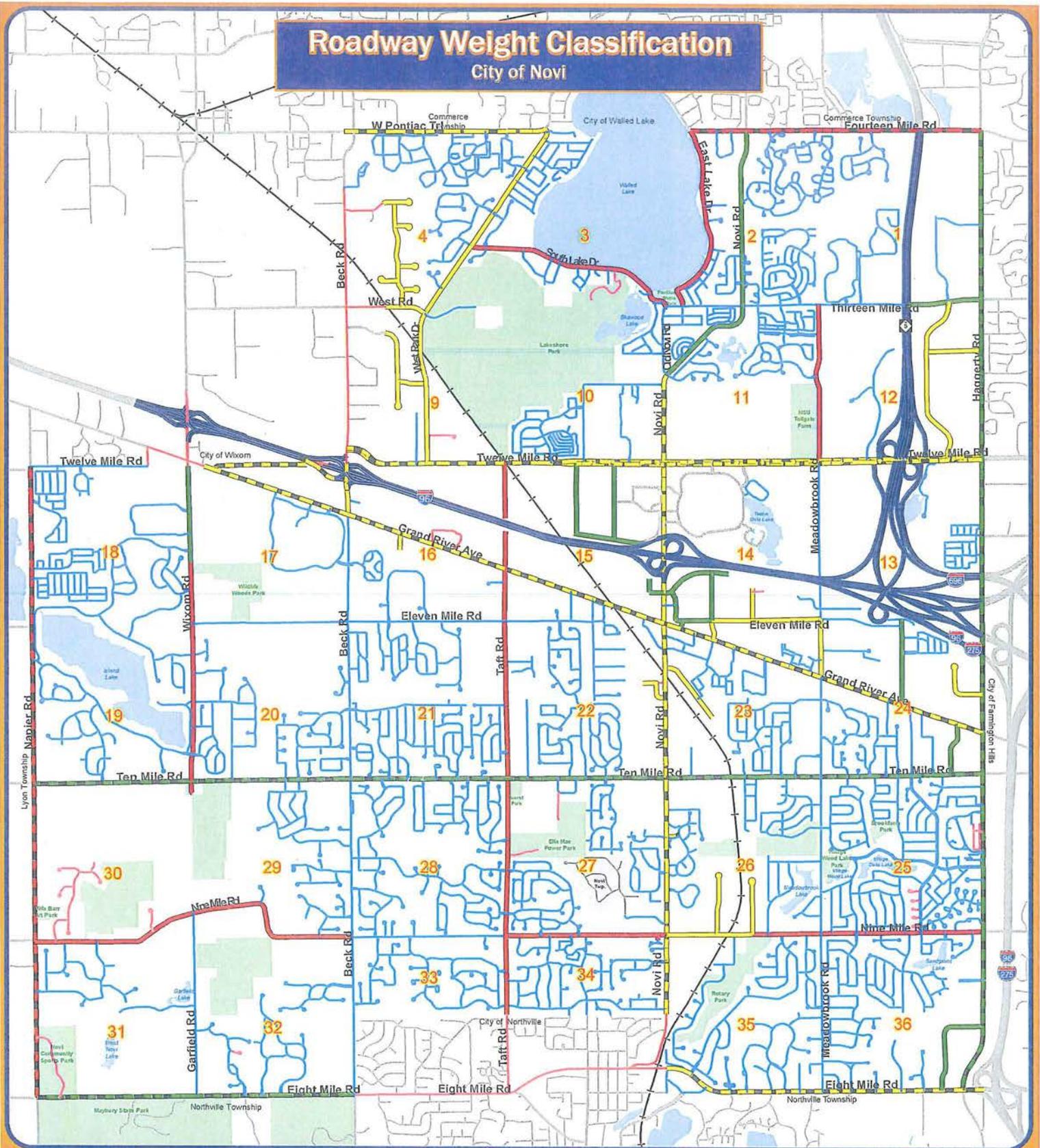
RECOMMENDED ACTION: Approval to temporarily raise the load limits on Beck Road south of Ten Mile Road from 13,000 pounds per axle to 16,000 pounds per axle for the duration of the Road Commission for Oakland County's Eight Mile Road (Taft to Beck) project.

	1	2	Y	N
Mayor Gatt				
Mayor Pro Tem Staudt				
Council Member Casey				
Council Member Fischer				

	1	2	Y	N
Council Member Markham				
Council Member Mutch				
Council Member Wrobel				

Roadway Weight Classification

City of Novi



Map Author: M. Peterson
 Date: 5-5-14
 Project: Roadway Weigh Classifications
 Version #: 1.0

MAP INTERPRETATION NOTICE

Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 132 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.

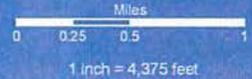
Weight Classification

- City All-Weather
- County All-Weather
- City A-Restricted
- County A-Restricted
- City B-Restricted
- County B-Restricted
- City B-Closed
- State All-Weather
- No City Restrictions
- Not Available



City of Novi

Information Technology Department
 Geographic Information Services
 45175 Ten Mile Rd.
 Novi, MI 48375
 cityofnovi.org



Permit Information

W-300 : Yearly Permit
 Fee: \$100.00 (each)
 Maximum Dimensions (Yearly Permit W-300);
 Width= 12'6" x Height= 14'6" x Length= 75'

This permit is required for any oversize overweight vehicles, or loads thereon, and for any special mobile equipment operated on a public highway (i.e., mobile cranes, loaders, scrapers, etc.) All special mobile equipment operated on a public highway is required to have displayed on the rear a "Slow Moving Triangle" sign, and is required to be operated to the right of the roadway when traffic is present. Permit is valid for one (1) year from the date of issuance, unless notified that your insurance is cancelled.

Permit Application Completion Information

Top line information must be complete if in the event it is special mobile equipment for which the permit is being obtained, and the weight of the equipment must be specified.
 Axle Spacing: must be filled in.
 Tires: Only tire size needs to be filled out in the tire section.
 Load Weight: To be filled out if known.
 Dimensions: Vehicle and load is the only part to be filled out.

W-500 : Special Transportation Permit
 Fee: \$50.00 (each)

This permit is required for any vehicles or equipment that exceeds the Yearly W-300 cab card limitations, or a single trip move basis.

Permit Application Completion Information

Upper section must be complete. Permit is only valid for 72 hours. No moves on holidays, Sundays, after 6:00pm or prior to 6:00am or during frost restrictions. Pilot vehicle will be required for all moves in excess of 13'6" wide, and two (2) pilot vehicles will be required for all moves in excess of 14'. Driver must obey the speed limit outlined in the permit. No permit will be issued for moves whose origins and destination are both out of the City of Novi (i.e., no out-through permits). Only the number of tires, size of tires and axle spacings are required in the lower section of the form.

This permit can be obtained by contacting Gerylann Garris at (248) 347-0515, only after the company is on record with the Police Department, along with current insurance. Requesting person is responsible for the prompt payment of the permit. If the company fails to pay promptly, no further permits will be issued unless payment is received first.

Spacing Between Axles	Normal Loadings When Restrictions Are Not In Force		Loadings When Restrictions Are In Force		
	Class "A"	Class "B"	All-Weather Routes	Class "A"	Class "B"
9 feet or over	18,000 lbs.	18,000 lbs.	18,000 lbs.	13,500 lbs.	11,700 lbs.
More than 3 1/2 feet, but less than 9 feet	16,000 lbs.*	13,000 lbs.	16,000 lbs.	9,750 lbs.*	8,450 lbs.
When less than 3 1/2 feet, the combined weight shall not exceed	18,000 lbs.	18,000 lbs.	18,000 lbs.	13,500 lbs.	11,700 lbs.
Maximum load on any wheel shall not exceed (lbs. per inch of tire width)	700 lbs	700 lbs	700 lbs.	525 lbs.	450 lbs.

City Owned Roadways & Weight Classifications

(As listed permit in application form available from City of Novi Weighmaster)

Name	Direction	Surface	Class
9 Mile Rd.	EastWest	Black-top	B-Restricted
9 Mile Rd.	Between Novi Rd. & CSX RR	Concrete	All-Weather
9 Mile Rd.	Between Novi Rd. & Taft	Black-top	B-Closed
9 Mile Rd.	Between Beck & Napier	Dirt	B-Restricted
9 Mile Rd.	Between Venture Dr. & Haggerty	Black-top	B-Closed
11 Mile Rd.	Between Town Center & Haggerty	Concrete	All-Weather
11 Mile Rd.	Meadowbrook Rd to Seeley Rd	Black-top/Concrete	B-Restricted
11 Mile Rd.	Between Wixom Rd & Clark Rd	Black-top	B-Restricted
12 1/2 Mile Rd.	EastWest	Dirt	B-Restricted
13 Mile Rd.	EastWest	Black-top	B-Restricted
Beck Rd.	NorthSouth	Black-top	B-Restricted
Bridge St.	EastWest	Black-top	B-Restricted
Cabot Dr.	NorthSouth	Black-top	A-Restricted
Catherine St.	NorthSouth	Black-top	B-Restricted
Crescent Blvd.	EastWest	Concrete	A-Restricted
Delmont Dr.	EastWest	Chip Seal	B-Restricted
Dinser Dr.	NorthSouth	Chip Seal	B-Restricted
Dixon Dr.	NorthSouth	Dirt	B-Restricted
Donelson Dr.	NorthSouth	Black-top	A-Restricted
East Lake Dr.	NorthSouth	Black-top	B-Closed
Expo Dr.	EastWest	Black-top	A-Restricted
Flint St.	NorthSouth	Dirt	B-Restricted
Garfield Dr.	NorthSouth	Black-top/Dirt	B-Restricted
Gen-Mar	EastWest	Concrete	All-Weather
Helsip Dr.	NorthSouth	Concrete	All-Weather
Ingersol Dr.	NorthSouth	Concrete	A-Restricted
Karim Blvd.	NorthSouth	Black-top	A-Restricted
Lewis Dr.	EastWest	Black-top	A-Restricted
Main St.	EastWest	Black-top/Brick	B-Restricted
Market St.	NorthSouth	Black-top/Brick	B-Restricted
Meadowbrook Rd.	NorthSouth	Black-top/Concrete	B-Restricted
Meadowbrook Rd.	Between Grand River & 11 Mile Rd.	Black-top	A-Restricted
Meadowbrook Rd.	Between 12 & 13 Mile Rd.	Black-top	B-Closed
Novi Rd.	Between 12 1/2 & 14 Mile Rd.	Black-top	A-Restricted
Orchard Hill Dr.	NorthSouth & EastWest	Black-top	A-Restricted
Rothel Dr.	NorthSouth	Black-top	B-Restricted
Seeley Rd.	NorthSouth	Black-top	A-Restricted
South Lake Dr.	EastWest	Black-top	B-Closed
South Lake Dr.	EastWest	Black-top	5 Ton Bridge
Taft Rd.	NorthSouth	Black-top	B-Closed
Town Center Dr.	NorthSouth	Concrete	A-Restricted
Trans-X Ind. Dr.	NorthSouth	Concrete	All-Weather
Venture Dr.	NorthSouth	Black-top	B-Restricted
Vincanti Ind. Dr.	EastWest	Black-top	A-Restricted
West Park Dr.	NorthSouth	Black-top	All-Weather
West Rd.	EastWest	Black-top	B-Restricted
Wixom Rd.	South of Profile Steel to 10 Mile	Black-top	B-Restricted
Wixom Rd.	Between G.R. & Profile Steel	Black-top	A-Restricted

*Note: Classification "B-Closed" indicates a roadway is closed to through truck traffic. Any deliveries that have to be made in the closed area must adhere to the "B-Restricted" weights.
 ** Delivery must be within one (1) mile of point of entry onto roadway.

For additional information contact;

Ofcr. Paul Leslie

Ofcr. Tim Harper

Ofcr. Tony Avant

City of Novi Police Department

45125 W. Ten Mile Rd

Novi, Michigan 48375

(248) 348-7100



MEMORANDUM



TO: VICTOR CARDENAS, INTERIM CITY MANAGER
FROM: ROB HAYES, DIRECTOR OF PUBLIC SERVICES/CITY ENGINEER *RHA*
SUBJECT: EIGHT MILE ROAD CONSTRUCTION/TAFT TO BECK
DATE: JUNE 11, 2014

We just learned that the contractor will begin mobilizing starting on Monday, June 16 for the second phase of RCOC's Eight Mile Road project. You may recall that the first phase of the project was completed last year in the City of Novi and Northville Township, and entailed resurfacing the roadway from Beck Road to Napier Road. The second phase spans from Taft to Beck in Northville and Northville Township and was deferred to this year because the contractor could not safely maintain two-way traffic last year, plus closing the roadway could not be started as originally planned during the 2013 school year.

Because there are no practical detour routes through the City of Northville, traffic will be routed through the City of Novi on Novi Road, Ten Mile and Beck Road for truck traffic; and Taft Road, Nine Mile and Beck for passenger vehicles. Detours around the Taft-to-Beck construction zone will be in place by Friday, June 13th (see attached detour map). RCOC estimates that Eight Mile Road will be fully reopened to traffic by the Labor Day weekend.

One item that needs to be addressed is the loading that would be allowed on Beck Road south of Ten Mile. Beck is a Class B-Restricted road with a maximum allowable axle load of 13,000 pounds. Many large commercial trucks impose axle loads of up to 16,000 pounds per axle, which would be allowable on Novi Road and Ten Mile Road (Novi Road is classified as an "All-Weather" road, while Ten Mile is a Class A-Restricted road). Therefore, the allowable loads on Beck would need to be temporarily raised to 16,000 pounds per axle for the duration of the project.

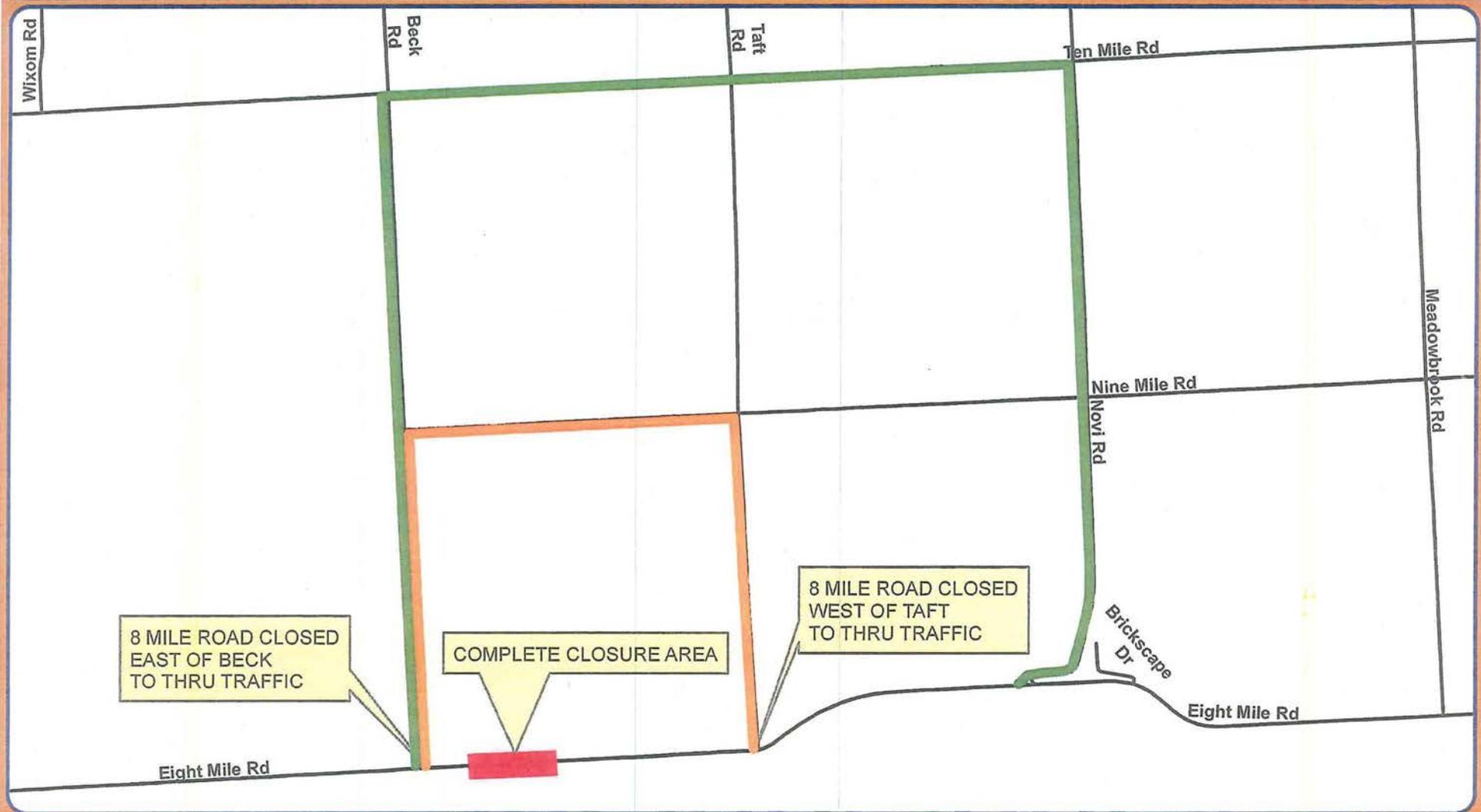
An item will be on the June 16 regular City Council meeting agenda recommending Council's approval of this temporary measure.

Please let me know if you have any questions or concerns in regard to this issue.

cc: Chief David Molloy, Director of Public Safety
Lt. Jarrod Hart, Assistant Police Chief
Officer Tim Harper, Police Department
Brian Coburn, Engineering Manager

8 MILE RECONSTRUCTION (TAFT TO BECK)

TRAFFIC FLOW AND DETOUR ROUTE



Map Author: Aaron Steup
 Date: June 10, 2014
 Project: R000 - 8 Mile Recon Project
 Version #: 1

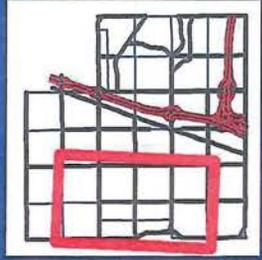
Amended By:
 Date:
 Department:

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ORANGE = PASSENGER VEHICLES DETOUR ROUTE
GREEN = TRUCK TRAFFIC DETOUR ROUTE

Construction starts on Monday, June 16, 2014
 8 Mile Road to reopen before Labor Day



City of Novi
 Engineering Division
 Department of Public Services
 26300 Lee BeGole Drive
 Novi, MI 48375
 cityofnovi.org

