



## CITY of NOVI CITY COUNCIL

**Agenda Item 3  
December 19, 2016**

**SUBJECT:** Approval of the Michigan Department of Transportation (MDOT) request for a Variance of the City's Noise Ordinance for the 2017 M-5 Expressway Concrete Patching Project between 12 Mile and Pontiac Trail (of which 12 Mile to 14 Mile is within City jurisdiction).

**SUBMITTING DEPARTMENT:** Department of Public Services, Engineering Division GDM

**CITY MANAGER APPROVAL:** 

### **BACKGROUND INFORMATION:**

The Michigan Department of Transportation (MDOT) has developed a project to rehabilitate the M-5 Expressway from 12 Mile to Pontiac Trail (12 Mile to 14 Mile in the City of Novi and 14 Mile to Pontiac Trail within Commerce Township). The rehabilitation method will be to saw-cut, remove and replace approximately 27,000 square yards of existing concrete panels, longitudinal and transverse joints throughout the nearly 4-mile stretch, northbound and southbound. The proposed project will also involve the ramps to and from 12 Mile Road and the collector distributor lanes of M-5 (see attached Location Map).

The original project scope involved discrete lane closures and maintaining traffic in one or two lanes. This original scope would have required nearly 6 months to complete (or the entire construction season). After several meetings with MDOT personnel, a plan was devised which could significantly reduce the construction schedule from 6 months to 6 weeks. Instead of intermittent lane closures the new plan would completely close M-5 Southbound first, completing the work, then shifting work to the fully closed M-5 Northbound along with working extended hours and Sunday's similar to the recently completed I-275 project. The City's current Work Hours Noise Ordinance allows construction to occur during the hours of 7:00 am to 7:00 pm, Monday through Saturday. With this request, MDOT is requesting on behalf of the awarded contractor to work 6:00 am to 9:00 pm, Monday through Sunday. The City administration had only one caveat with this proposal which was to only allow concrete pouring beyond the 6:00 am to 9:00 pm work hours.

The City Engineering Division has reviewed this request and found it acceptable enough to proceed. The recommended variance would aid in expediting the project and keep MDOT from losing any funding sources before their deadline. Other municipal and county projects are planned this construction season within and around the proposed M-5 project's detour routes and this accelerated schedule and work an hours' variance approval will lessen the impact to those projects.

**RECOMMENDED ACTION:** Approval of the Michigan Department of Transportation (MDOT) request for a Variance of the City's Noise Ordinance for the 2017 M-5 Expressway Concrete Patching Project between 12 Mile and Pontiac Trail (of which 12 Mile to 14 Mile is within City jurisdiction).

	1	2	Y	N
<b>Mayor Gatt</b>				
<b>Mayor Pro Tem Staudt</b>				
<b>Council Member Burke</b>				
<b>Council Member Casey</b>				

	1	2	Y	N
<b>Council Member Markham</b>				
<b>Council Member Mutch</b>				
<b>Council Member Wrobel</b>				

# M-5 Expressway Concrete Patching

## Location Map

Commerce Township

Fourteen Mile Road

Southbound lanes to close first

Northbound lanes to close second

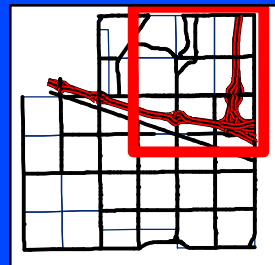
Twelve Mile Road

Map Author: D. Rechtien  
Date: 12/19/2016  
Project:  
Version #:

Amended By:  
Date:  
Department:

### 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.



**City of Novi**

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

Feet  
0 470 940 1,880 2,820

1 inch = 2,300 feet





RICK SNYDER  
GOVERNOR

STATE OF MICHIGAN  
**DEPARTMENT OF TRANSPORTATION**  
OAKLAND TRANSPORTATION SERVICE CENTER

KIRK T. STEUDLE  
DIRECTOR

December 9th, 2016

George Melistas  
Engineering Senior Manager  
City of Novi  
26300 Lee BeGole Drive  
Novi, MI 48375

**RE: Request for a Variance of the City's Noise Ordinance  
For JN 130046:M-5 from Pontiac Trail to 12 Mile Road Concrete Pavement Repairs**

Dear Mr. Melistas,

With this letter, the Michigan Department of Transportation (MDOT) is requesting a variance to the City of Novi's Noise Ordinance to allow for construction activities on M-5 from 12 Mile Road to Pontiac Trail (of which 12 Mile to 14 Mile is within the City of Novi's jurisdiction), to occur during nights and weekends as part of the 2017 concrete pavement repairs project. The project includes concrete pavement repairs to M-5, the 12 Mile Road ramps and the collector distributor lanes of M-5. Upon initial conversations with the City of Novi and other local agencies, MDOT realizes the need to accelerate our concrete patching project to avoid overall impacts to this area during the 2017 construction season due to multiple projects on surrounding routes, i.e. RCOC's 12 Mile concrete patching project from Haggerty Road to Farmington Road; City of Farmington Hill's 13 Mile reconstruction project from Halstead Road to Drake Road; and City of Novi's Meadowbrook Road rehabilitation project from I-96 to 12 Mile Road.

MDOT has decided to move forward with full closures of M-5 from 12 Mile Road to Pontiac Trail. We will be closing SB M-5 first, followed by NB M-5. We will be maintaining one lane on SB M-5 from the roundabout at Pontiac Trail to Maple Road in order to minimize congestion in the roundabout as requested by the Road Commission for Oakland County. In order to decrease the length of the closure on M-5 and overall impact to this area, we will require a 7 day work week in the contract with working hours from 6:00 am to 9:00 pm. We have evaluated the amount of work and our estimated time frame is 8-9 weeks to complete both bounds working during daytime hours. We also evaluated allowing minimal night operations and we can decrease the schedule to 6 weeks. We would not allow saw cutting and pavement removal operations at night, but allow concrete pouring operations during this time. The schedule of the project, if the minimal night work is allowed, will be May 1<sup>st</sup> through June 19<sup>th</sup>. Our management has also agreed to include a \$100,000 incentive to the Contractor to finish earlier.

We think this is the best option to minimize the overall schedule and impacts to the communities in this area. Most of the local projects start up in early to mid-June so we can minimize the overlap with surrounding projects as much as possible. We would like the opportunity to present this noise variance request to Novi's City council on the December 19<sup>th</sup> meeting.

MDOT appreciates your consideration in this matter and looks forward to your reply. If you have any questions or need additional information, please contact me at (248) 451-2424 or at [defauwc@michigan.gov](mailto:defauwc@michigan.gov)

Sincerely,  
Courtney DeFauw, P.E.  
Traffic Operations Engineer



cityofnovi.org

## WORK HOURS VARIANCE-WAIVER REQUEST

From Sec. 22-98 Construction Activity (Ord. No. 93-23.11, Pt I, 3-29-93)

Date of Request: December 12, 2016

Project Name: M-5 Concrete Pavement Repairs (including ramps to and from 12 Mile Road)

Project Location: M-5 from 12 Mile Road to Pontiac Trail

Contractor/Sub-Contractor: MDOT Request on behalf of a future selected contractor

Please be specific and detailed as possible below. Provide dates, times, locations, etc. and more importantly the reasoning behind the request to work outside the City of Novi Work Hour Noise Ordinance, which is Monday through Saturday from 7:00 am to 7:00 pm.

The Michigan Department of Transportation (MDOT) is requesting a variance from the City's Work Hours Noise Ordinance, to allow for construction activities on M-5 from 12 Mile Road to Pontiac Trail to occur during nights and weekends as part of the 2017 Concrete Pavement Repairs project which also includes work on the M-5 ramps to and from 12 Mile. These extended work hours will accelerate the overall construction time frame of 8-9 weeks to 6-7 weeks, which will avoid construction conflicts with other municipal and county government projects. The only work allowed during night time hours will be that of concrete pouring operations. The project is planned to begin construction on May 1, 2017 and completed around mid to late June. This will be accomplished with full closures of the M-5 Expressway by allowing work hours of 6:00 am to 9:00 pm, 7 days a week. Southbound M-5 will close first. Once Southbound is complete and reopened, Northbound M-5 will close (3 to 4 weeks for each direction). For a more detailed explanation of the project, please refer to the attached letter from MDOT,

This request requires Novi City Council approval prior to commencement with any funding or letting of contracts.

Engineer Approval:   
(MDOT Representative)

City Engineer Approval:   
Digitally signed by George Melistas  
DN: cn=George Melistas, o=City of Novi, ou=Engineering  
Division, email=gmelista@cityofnovi.org, c=US  
Date: 2016.12.12 14:17:46 -0500  
(George Melistas)

Building Official Approval:   
(Larry Butler)

Digital electronic signatures are allowed