



## CITY of NOVI CITY COUNCIL

**Agenda Item I**  
**July 9, 2018**

**SUBJECT:** Approval of an installation, maintenance and operations agreement with the Road Commission for Oakland County (RCOC) for Rectangular Rapid Flashing Beacon (RRFB) Traffic Signal Installation and Maintenance along ITC Trail at 9 Mile Road, 10 Mile Road, and 11 Mile Road.

**SUBMITTING DEPARTMENT:** Department of Public Works, Engineering Division  
Parks, Recreational and Cultural Services

**CITY MANAGER APPROVAL:** 

### **BACKGROUND INFORMATION:**

A north-south regional pathway in the western portion of the City, known as the ITC Corridor Regional Trail, was included in the adopted City of Novi Non-Motorized Master Plan 2011. The proposed regional pathway would provide a connection between the ITC Community Sports Park and Maybury State Park to the south and the City of Wixom to the north. The master plan shows this non-motorized pathway following a corridor of property owned by International Transmission Company (ITC).

Phase 2 of the ITC Corridor Regional Trail would continue the path north from the intersection of 9 Mile Road to 11 Mile Road (just East of Wixom Road) which would complete the ITC Corridor Regional Trail. The majority of this project will be located along the ITC transmission corridor or on ITC property.

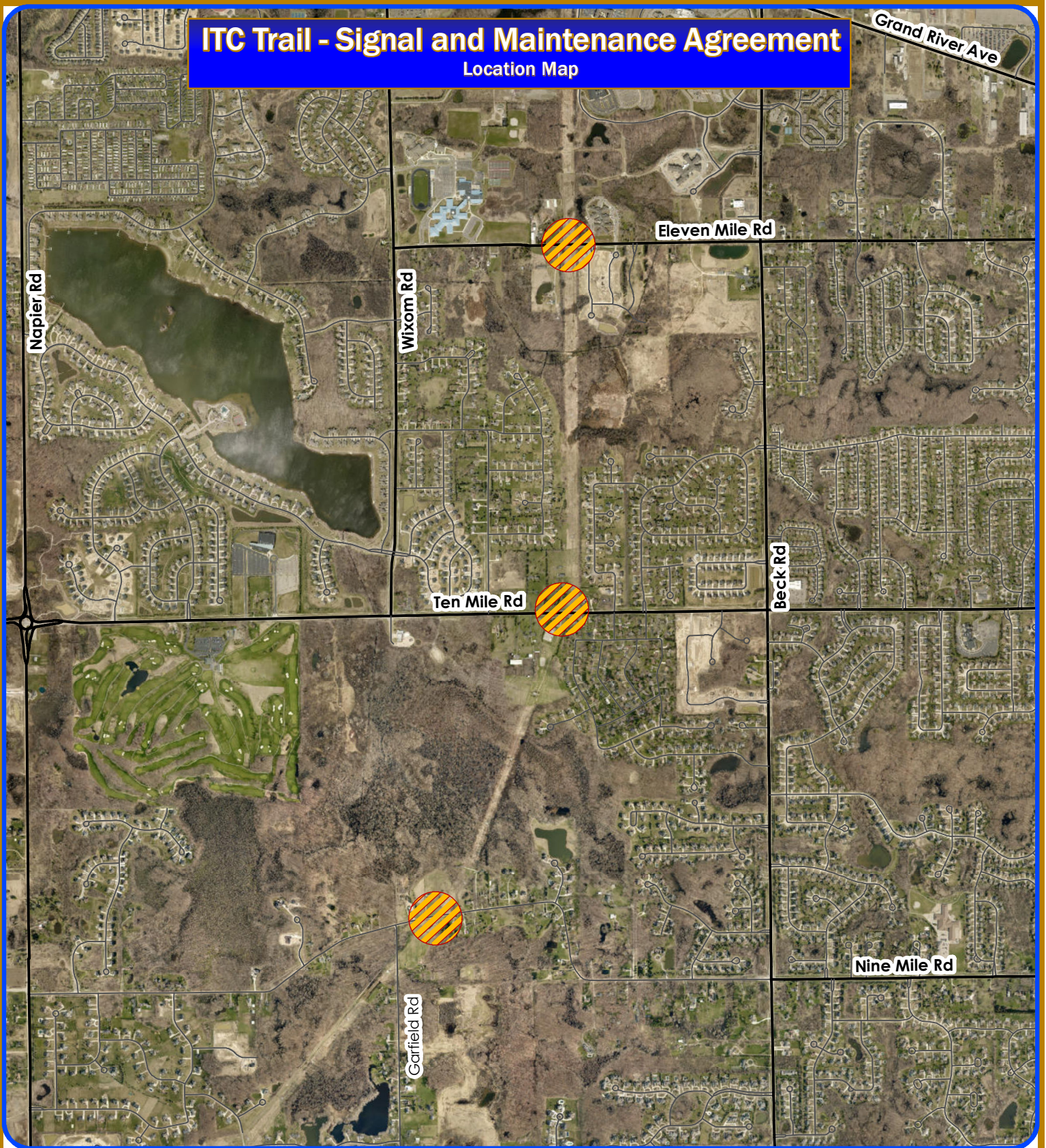
The trail crosses three (3) major road intersections – 9 Mile Road, 10 Mile Road and 11 Mile Road. The plan includes installation of Rectangular Rapid Flashing Beacons (RRFB) for each of the pedestrian roadway crossings. The RRFBs function does not stop the flow of traffic but rather enhances safety by warning motorists to be cautious of pedestrians crossing in the area. The RRFBs are solar-powered and therefore, do not require annual battery maintenance or ongoing operational costs when compared to electrically powered RRFBs. The RCOC has offered to install and maintain the three RRFB signals for the City. Attached are three license agreements required in order to allow the RCOC to install and maintain each of the RRFBs.

The FY 2017-18 budget includes funding for the construction of this segment of the ITC Corridor Regional Trail (PRC040). City Council awarded the design to City engineering consultant AECOM in July 2017. Staff and AECOM finalized design on June 8, 2018 and posted advertisement to bid on June 12, 2018. Staff anticipates project construction award consideration on the July 23, 2018 City Council Agenda. Pending approval and execution of the license agreement, staff will facilitate documentation with the RCOC and maintain a copy for City records.

**RECOMMENDED ACTION:** Approval of an installation, maintenance and operations agreement with the Road Commission for Oakland County (RCOC) for Rectangular Rapid Flashing Beacon (RRFB) Traffic Signal Installation and Maintenance along ITC Trail at 9 Mile Road, 10 Mile Road, and 11 Mile Road.

# ITC Trail - Signal and Maintenance Agreement

## Location Map



Map Author: Joseph Akers  
 Date: July 9, 2018  
 Project: ITC Trail - Signal and Maintenance Agreement  
 Version: 1

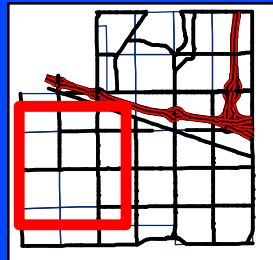
Amended By:  
 Date:  
 Department:

**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.

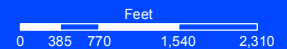


Proposed Traffic Signal Locations



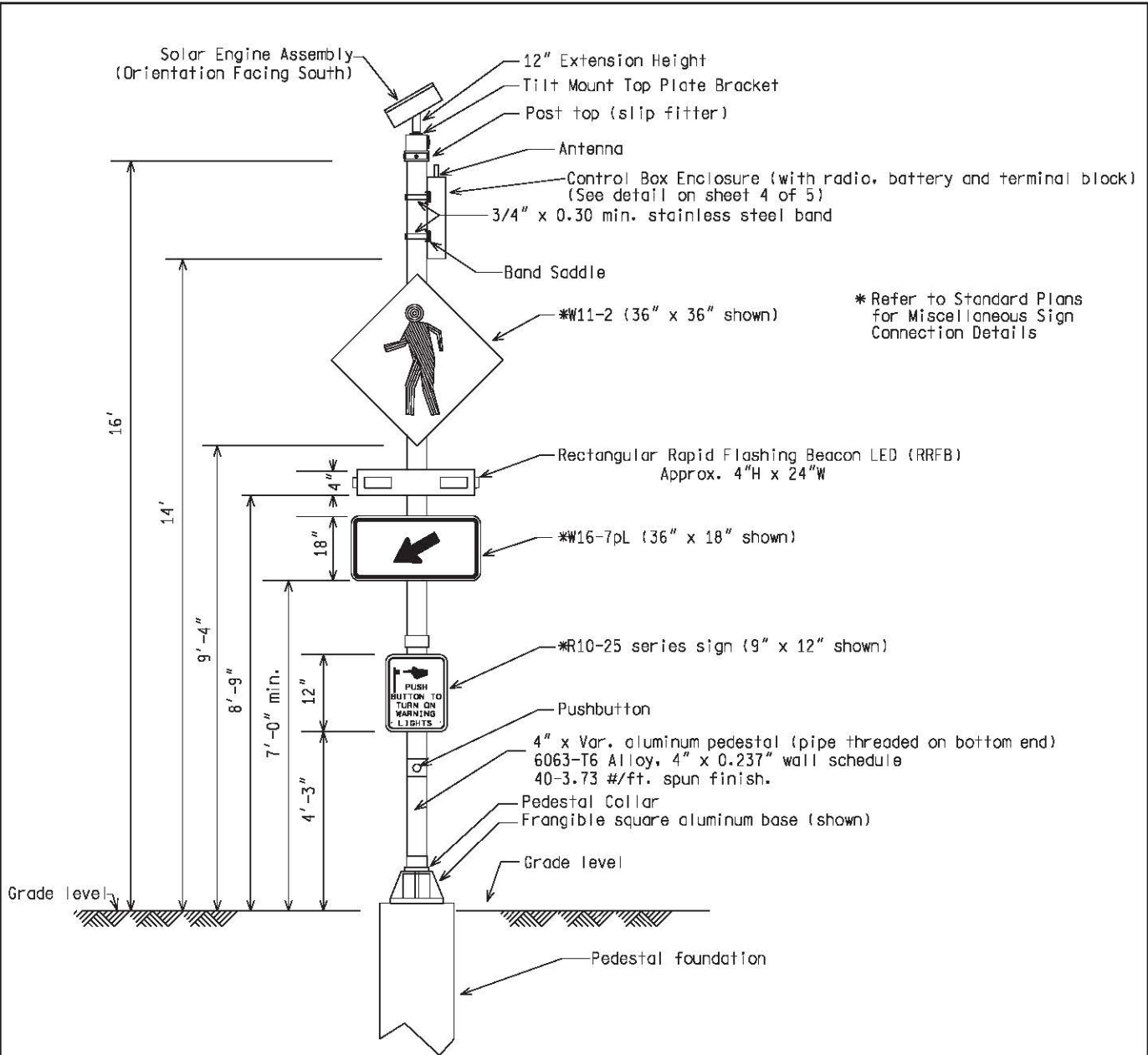
### City of Novi

Engineering Division  
 Department of Public Services  
 26300 Lee BeGole Drive  
 Novi, MI 48375  
[cityofnovi.org](http://cityofnovi.org)



1 inch = 1,875 feet





**FRONT VIEW**

**SOLAR POWER ASSEMBLY (ONE-SIDED RRFB)**

NOT TO SCALE

File: ReFDoc/TR/Signals/Web/Sp Det/Fin/SIG321A.dgn Rev: 02/16/17



PREPARED BY  
TRAFFIC AND SAFETY

DRAWN BY:  
CHECKED BY:

\_\_\_\_\_  
ENGINEER OF DELIVERY

\_\_\_\_\_  
ENGINEER OF DEVELOPMENT

(SPECIAL DETAIL)  
FHWA APPROVAL DATE

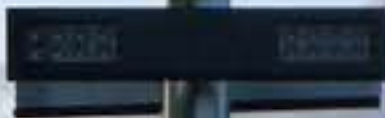
MICHIGAN DEPARTMENT OF TRANSPORTATION  
BUREAU OF HIGHWAYS DELIVERY STANDARD PLAN FOR

**RECTANGULAR RAPID  
FLASHING BEACON**

PLAN DATE

**SIG-321-A**

SHEET  
1 of 5



**STATE OF MICHIGAN  
BOARD OF COUNTY ROAD COMMISSIONERS  
OAKLAND COUNTY  
AGREEMENT FOR TRAFFIC CONTROL DEVICE**

**Type of Work: Traffic Signal Installation and Maintenance**

**Location: Nine Mile Road and ITC Trail, 650 Feet East of Garfield Road, RRFB**

**Signal No: 1525  
Date Effective:**

Under authority of state law and by virtue of resolution formally adopted by their respective governing bodies, the under-signed hereby agree to participate in the cost of installation, maintenance and operation of the above traffic control device on the basis of the following division of costs. (Title to equipment shall remain with the purchasing agency, unless purchased for roads not under the jurisdiction of the Board of County Road Commissioner.) The proportionate share of all costs are to be billed monthly. This agreement is terminable on thirty days written notice by any party.

**DIVISION OF COSTS**

AGENCY	INSTALLATION		MAINTENANCE
	Percent	Estimated Cost	Percent
City of Novi	100 %	\$ City Project	100 %
	Total	100 %     \$ City Project	100 %

It is further agreed that the agency responsible for payment of energy billings and/or leased line interconnection billings included in maintenance costs, shall be the ROAD COMMISSION FOR OAKLAND COUNTY.

It is further agreed that the agency responsible for making original and replacement installations and performing maintenance shall be the ROAD COMMISSION FOR OAKLAND COUNTY.

"In the event the traffic control device referred to in this agreement is located on a road or street that is not under the jurisdiction of the Road Commission for Oakland County, the authority having the jurisdiction over the road or street hereby agrees to save harmless, indemnify, represent, and defend the Road Commission for Oakland County from any and all claims, demands, or suits arising out of or relating to the installation, maintenance and operation of the traffic control device which is the subject matter of this agreement."

"In the event the traffic control device referred to in this agreement is located on a road or street that is under the jurisdiction of the Road Commission for Oakland County and by virtue of this agreement will be maintained by an agency other than the Road Commission for Oakland County, then and in that event the said agency hereby acknowledges that it is undertaking the Road Commission for Oakland County's duty to maintain the said traffic control device and further agrees to provide insurance coverage protecting the Road Commission for Oakland County."

APPROVED:  
**ROAD COMMISSION FOR OAKLAND COUNTY**

APPROVED:  
**CITY OF NOVI**

Date \_\_\_\_\_

Date \_\_\_\_\_

By \_\_\_\_\_  
Danielle Deneau, P.E.

By \_\_\_\_\_

DIRECTOR OF TRAFFIC-SAFETY  
Title of Authorized Official

\_\_\_\_\_  
Title of Authorized Official

\*Certified copy of resolution must be submitted with this form for new installations.

**STATE OF MICHIGAN  
BOARD OF COUNTY ROAD COMMISSIONERS  
OAKLAND COUNTY  
AGREEMENT FOR TRAFFIC CONTROL DEVICE**

**Type of Work: Traffic Signal Installation and Maintenance**

**Location: Ten Mile Road and ITC Trail, 2500 Feet East of Wixom Road, RRFB**

**Signal No: 1526**

**Date Effective:**

Under authority of state law and by virtue of resolution formally adopted by their respective governing bodies, the under-signed hereby agree to participate in the cost of installation, maintenance and operation of the above traffic control device on the basis of the following division of costs. (Title to equipment shall remain with the purchasing agency, unless purchased for roads not under the jurisdiction of the Board of County Road Commissioner.) The proportionate share of all costs are to be billed monthly. This agreement is terminable on thirty days written notice by any party.

**DIVISION OF COSTS**

AGENCY	INSTALLATION		MAINTENANCE Percent
	Percent	Estimated Cost	
City of Novi	100 %	\$ City Project	100 %
Total	100 %	\$ City Project	100 %

It is further agreed that the agency responsible for payment of energy billings and/or leased line interconnection billings included in maintenance costs, shall be the ROAD COMMISSION FOR OAKLAND COUNTY.

It is further agreed that the agency responsible for making original and replacement installations and performing maintenance shall be the ROAD COMMISSION FOR OAKLAND COUNTY.

"In the event the traffic control device referred to in this agreement is located on a road or street that is not under the jurisdiction of the Road Commission for Oakland County, the authority having the jurisdiction over the road or street hereby agrees to save harmless, indemnify, represent, and defend the Road Commission for Oakland County from any and all claims, demands, or suits arising out of or relating to the installation, maintenance and operation of the traffic control device which is the subject matter of this agreement."

"In the event the traffic control device referred to in this agreement is located on a road or street that is under the jurisdiction of the Road Commission for Oakland County and by virtue of this agreement will be maintained by an agency other than the Road Commission for Oakland County, then and in that event the said agency hereby acknowledges that it is undertaking the Road Commission for Oakland County's duty to maintain the said traffic control device and further agrees to provide insurance coverage protecting the Road Commission for Oakland County."

APPROVED:

**ROAD COMMISSION FOR OAKLAND COUNTY**

Date \_\_\_\_\_

By \_\_\_\_\_

Danielle Deneau, P.E.

DIRECTOR OF TRAFFIC-SAFETY

Title of Authorized Official

APPROVED:

**CITY OF NOVI**

Date \_\_\_\_\_

By \_\_\_\_\_

\_\_\_\_\_  
Title of Authorized Official

\*Certified copy of resolution must be submitted with this form for new installations.

**STATE OF MICHIGAN  
BOARD OF COUNTY ROAD COMMISSIONERS  
OAKLAND COUNTY  
AGREEMENT FOR TRAFFIC CONTROL DEVICE**

**Type of Work: Traffic Signal Installation and Maintenance**

**Location: Eleven Mile Road and ITC Trail, 2550 Feet East of Wixom Road, RRFB**

**Signal No: 1527**

**Date Effective:**

Under authority of state law and by virtue of resolution formally adopted by their respective governing bodies, the under-signed hereby agree to participate in the cost of installation, maintenance and operation of the above traffic control device on the basis of the following division of costs. (Title to equipment shall remain with the purchasing agency, unless purchased for roads not under the jurisdiction of the Board of County Road Commissioner.) The proportionate share of all costs are to be billed monthly. This agreement is terminable on thirty days written notice by any party.

**DIVISION OF COSTS**

AGENCY	INSTALLATION		MAINTENANCE Percent
	Percent	Estimated Cost	
City of Novi	100 %	\$ City Project	100 %
Total	100 %	\$ City Project	100 %

It is further agreed that the agency responsible for payment of energy billings and/or leased line interconnection billings included in maintenance costs, shall be the ROAD COMMISSION FOR OAKLAND COUNTY.

It is further agreed that the agency responsible for making original and replacement installations and performing maintenance shall be the ROAD COMMISSION FOR OAKLAND COUNTY.

"In the event the traffic control device referred to in this agreement is located on a road or street that is not under the jurisdiction of the Road Commission for Oakland County, the authority having the jurisdiction over the road or street hereby agrees to save harmless, indemnify, represent, and defend the Road Commission for Oakland County from any and all claims, demands, or suits arising out of or relating to the installation, maintenance and operation of the traffic control device which is the subject matter of this agreement."

"In the event the traffic control device referred to in this agreement is located on a road or street that is under the jurisdiction of the Road Commission for Oakland County and by virtue of this agreement will be maintained by an agency other than the Road Commission for Oakland County, then and in that event the said agency hereby acknowledges that it is undertaking the Road Commission for Oakland County's duty to maintain the said traffic control device and further agrees to provide insurance coverage protecting the Road Commission for Oakland County."

APPROVED:  
**ROAD COMMISSION FOR OAKLAND COUNTY**

APPROVED:  
**CITY OF NOVI**

Date \_\_\_\_\_

Date \_\_\_\_\_

By \_\_\_\_\_  
Danielle Deneau, P.E.

By \_\_\_\_\_

DIRECTOR OF TRAFFIC-SAFETY  
Title of Authorized Official

\_\_\_\_\_  
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