



CITY of NOVI CITY COUNCIL

**Agenda Item O
December 7, 2015**

SUBJECT: Approval of Traffic Control Orders 15-22 through 15-25 for traffic control signs at the intersection of White Pines Drive and Arden Glen/Denby Ct.

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division *BTC* *RJA*

CITY MANAGER APPROVAL: *[Signature]*

BACKGROUND INFORMATION:

A traffic circle was constructed at the intersection of White Pines Drive with Arden Glen Court and Denby Court as a traffic calming measure as part of the 2015 Neighborhood Road Program. Staff has received positive feedback regarding the traffic circle, but there were some comments regarding the operation of the intersection. The installation of a yield sign at each leg of the intersection to assign the right-of-way to vehicles already in the traffic circle is a recommended practice. The signs will also remind motorists to slow down as they enter the intersection.

Traffic control orders are required by the Uniform Traffic Code to enforce traffic control signs that have been installed on public streets. Therefore, staff has reviewed the installation of the traffic control signs and has prepared the attached traffic control orders for approval by City Council.

The traffic control signs will be scheduled for installation in the coming weeks through the DPS Field Operations Division.

RECOMMENDED ACTION: Approval of Traffic Control Orders 15-22 through 15-25 for traffic control signs at the intersection of White Pines Drive and Arden Glen/Denby Ct.

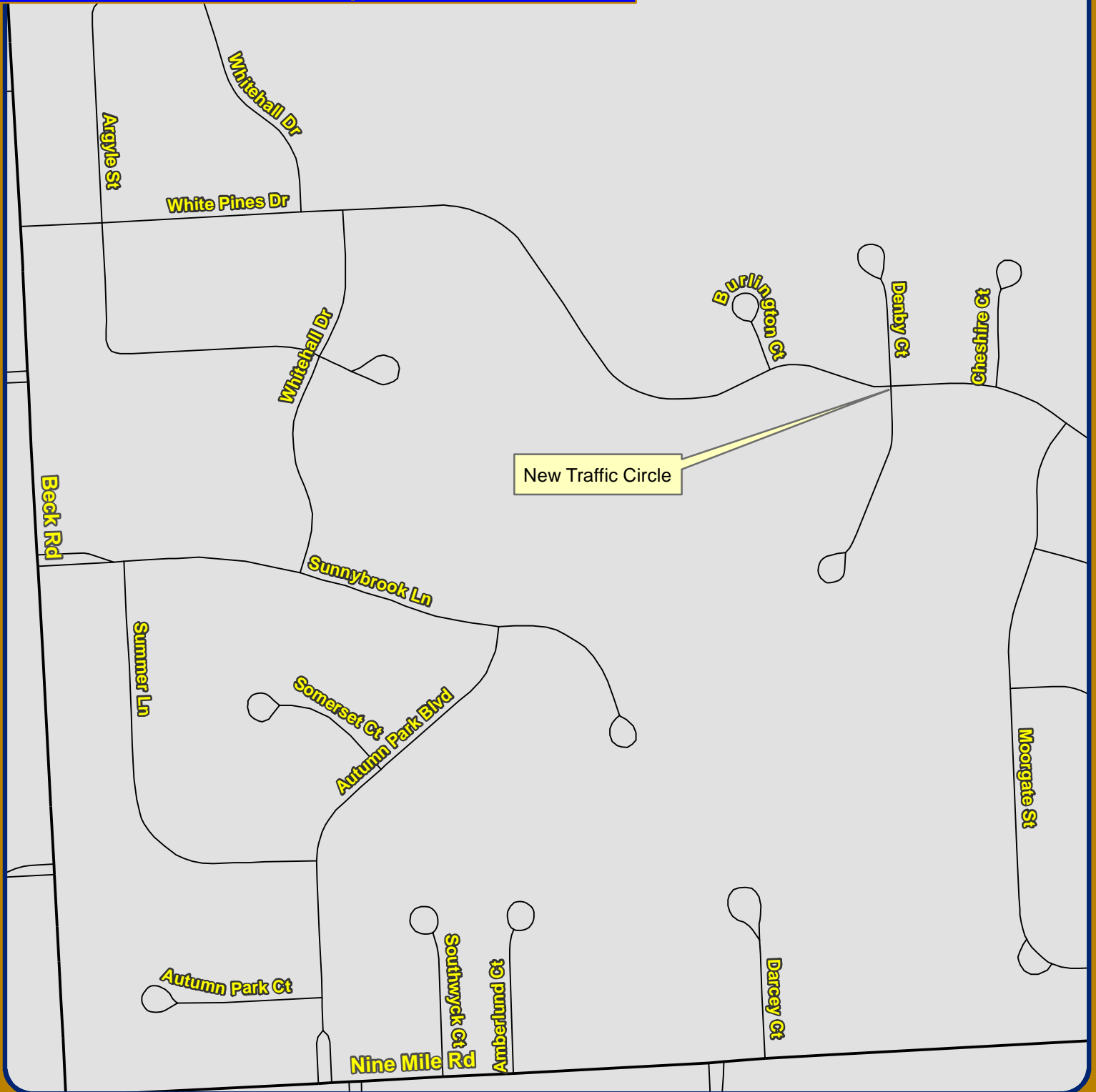
	1	2	Y	N
Mayor Gatt				
Mayor Pro Tem Staudt				
Council Member Burke				
Council Member Casey				

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

2015 NEIGHBORHOOD ROAD PROGRAM

White Pines Drive Rehabilitation

Location Map



Map Author: Croy
Date: 5/29/15
Project: 2015 NRP - White Pines
Version #: v2.0

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.



1 inch = 417 feet



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



**CITY OF NOVI
TRAFFIC CONTROL ORDER**

_____ SPEED
_____ PARKING
 X OTHER

DATE OF ORDER: 11/17/2015
CONTROL NUMBER: 15-22


PURSUANT TO CHAPTER NO. 33 OF THE CODE OF ORDINANCES OF THE CITY OF NOVI, MICHIGAN, SAME BEING THE UNIFORM TRAFFIC CODE FOR CITIES, TOWNSHIPS AND VILLAGES OF MICHIGAN AND IN THE INTEREST OF PUBLIC SAFETY AND CONVENIENCE THE FOLLOWING TRAFFIC CONTROL ORDER IS HEREBY ISSUED BY BRIAN COBURN, ENGINEERING MANAGER, DULY AUTHORIZED AS TRAFFIC ENGINEER, BY SEC. 33-51 OF THE AFORESAID CHAPTER.

ISSUANCE OF THIS TRAFFIC CONTROL ORDER WAS PRECEDED BY STUDY AND INVESTIGATION OF TRAFFIC CONDITIONS ON THE FOLLOWING PUBLIC ROAD OR ROADS IN THE CITY OF NOVI, MICHIGAN.

WHITE PINES

AND AFTER SAID INVESTIGATION, IT IS HEREBY ORDERED AND DIRECTED THAT THE DEPARTMENT OF PUBLIC SERVICES ERECT AND MAINTAIN THE YIELD SIGN (S) IN ACCORDANCE WITH THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AS REQUIRED BY SEC. 33-51 OF THE AFORESAID CHAPTER, SAID SIGNS TO GIVE NOTICE OF THE FOLLOWING DETERMINATION:

EASTBOUND WHITE PINES TO YIELD TO TRAFFIC IN THE TRAFFIC CIRCLE AT DENBY/ARDEN GLEN



Brian Coburn, P.E. - Traffic Engineer
Dated: 11/17/2015

APPROVED BY CITY COUNCIL

TRAFFIC CONTROL ORDER NUMBER 15-22 HAVING BEEN PRESENTED TO THE COUNCIL OF THE CITY OF NOVI, MICHIGAN FOR STUDY AND APPROVAL, IS HEREBY APPROVED AND IT IS HEREBY ORDERED AND DIRECTED THAT THIS ORDER BE FILED IN THE OFFICE OF THE CITY CLERK AND A COPY THEROF IN THE OFFICE OF THE CHIEF OF POLICE OF SAID CITY.

IT IS FURTHER ORDERED AND DIRECTED THAT THIS ORDER SHALL BECOME EFFECTIVE UPON BEING FILED WITH THE CLERK AND UPON ERECTION OF ADEQUATE SIGNS GIVING NOTICE OF THE EXISTENCE OF AFORESAID,

EASTBOUND WHITE PINES TO YIELD TO TRAFFIC IN THE TRAFFIC CIRCLE AT DENBY/ARDEN GLEN

ADOPTED AT THE REGULAR MEETING OF
CITY COUNCIL ON 12/7/2015.

By: _____
Robert J. Gatt, Mayor

By: _____
Maryanne Cornelius, Clerk

**CITY OF NOVI
TRAFFIC CONTROL ORDER**

_____ SPEED
_____ PARKING
 X OTHER

DATE OF ORDER: 11/17/2015

CONTROL NUMBER: 15-23


PURSUANT TO CHAPTER NO. 33 OF THE CODE OF ORDINANCES OF THE CITY OF NOVI, MICHIGAN, SAME BEING THE UNIFORM TRAFFIC CODE FOR CITIES, TOWNSHIPS AND VILLAGES OF MICHIGAN AND IN THE INTEREST OF PUBLIC SAFETY AND CONVENIENCE THE FOLLOWING TRAFFIC CONTROL ORDER IS HEREBY ISSUED BY BRIAN COBURN, ENGINEERING MANAGER, DULY AUTHORIZED AS TRAFFIC ENGINEER, BY SEC. 33-51 OF THE AFORESAID CHAPTER.

ISSUANCE OF THIS TRAFFIC CONTROL ORDER WAS PRECEDED BY STUDY AND INVESTIGATION OF TRAFFIC CONDITIONS ON THE FOLLOWING PUBLIC ROAD OR ROADS IN THE CITY OF NOVI, MICHIGAN.

WHITE PINES

AND AFTER SAID INVESTIGATION, IT IS HEREBY ORDERED AND DIRECTED THAT THE DEPARTMENT OF PUBLIC SERVICES ERECT AND MAINTAIN THE YIELD SIGN (S) IN ACCORDANCE WITH THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AS REQUIRED BY SEC. 33-51 OF THE AFORESAID CHAPTER, SAID SIGNS TO GIVE NOTICE OF THE FOLLOWING DETERMINATION:

WESTBOUND WHITE PINES TO YIELD TO TRAFFIC IN THE TRAFFIC CIRCLE AT DENBY/ARDEN GLEN



Brian Coburn, P.E. - Traffic Engineer
Dated: 11/17/2015

APPROVED BY CITY COUNCIL

TRAFFIC CONTROL ORDER NUMBER 15-23 HAVING BEEN PRESENTED TO THE COUNCIL OF THE CITY OF NOVI, MICHIGAN FOR STUDY AND APPROVAL, IS HEREBY APPROVED AND IT IS HEREBY ORDERED AND DIRECTED THAT THIS ORDER BE FILED IN THE OFFICE OF THE CITY CLERK AND A COPY THEROF IN THE OFFICE OF THE CHIEF OF POLICE OF SAID CITY.

IT IS FURTHER ORDERED AND DIRECTED THAT THIS ORDER SHALL BECOME EFFECTIVE UPON BEING FILED WITH THE CLERK AND UPON ERECTION OF ADEQUATE SIGNS GIVING NOTICE OF THE EXISTENCE OF AFORESAID,

WESTBOUND WHITE PINES TO YIELD TO TRAFFIC IN THE TRAFFIC CIRCLE AT DENBY/ARDEN GLEN

ADOPTED AT THE REGULAR MEETING OF
CITY COUNCIL ON 12/7/2015.

By: _____
Robert J. Gatt, Mayor

By: _____
Maryanne Cornelius, Clerk

**CITY OF NOVI
TRAFFIC CONTROL ORDER**

_____ SPEED
_____ PARKING
 X OTHER

DATE OF ORDER: 11/17/2015

CONTROL NUMBER: 15-24

PURSUANT TO CHAPTER NO. 33 OF THE CODE OF ORDINANCES OF THE CITY OF NOVI, MICHIGAN, SAME BEING THE UNIFORM TRAFFIC CODE FOR CITIES, TOWNSHIPS AND VILLAGES OF MICHIGAN AND IN THE INTEREST OF PUBLIC SAFETY AND CONVENIENCE THE FOLLOWING TRAFFIC CONTROL ORDER IS HEREBY ISSUED BY BRIAN COBURN, ENGINEERING MANAGER, DULY AUTHORIZED AS TRAFFIC ENGINEER, BY SEC. 33-51 OF THE AFORESAID CHAPTER.

ISSUANCE OF THIS TRAFFIC CONTROL ORDER WAS PRECEDED BY STUDY AND INVESTIGATION OF TRAFFIC CONDITIONS ON THE FOLLOWING PUBLIC ROAD OR ROADS IN THE CITY OF NOVI, MICHIGAN.

ARDEN GLEN CT

AND AFTER SAID INVESTIGATION, IT IS HEREBY ORDERED AND DIRECTED THAT THE DEPARTMENT OF PUBLIC SERVICES ERECT AND MAINTAIN THE YIELD SIGN (S) IN ACCORDANCE WITH THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AS REQUIRED BY SEC. 33-51 OF THE AFORESAID CHAPTER, SAID SIGNS TO GIVE NOTICE OF THE FOLLOWING DETERMINATION:

SOUTHBOUND DENBY TO YIELD TO TRAFFIC IN THE TRAFFIC CIRCLE AT WHITE PINES



Brian Coburn, P.E. - Traffic Engineer
Dated: 11/17/2015

APPROVED BY CITY COUNCIL

TRAFFIC CONTROL ORDER NUMBER 15-24 HAVING BEEN PRESENTED TO THE COUNCIL OF THE CITY OF NOVI, MICHIGAN FOR STUDY AND APPROVAL, IS HEREBY APPROVED AND IT IS HEREBY ORDERED AND DIRECTED THAT THIS ORDER BE FILED IN THE OFFICE OF THE CITY CLERK AND A COPY THEROF IN THE OFFICE OF THE CHIEF OF POLICE OF SAID CITY.

IT IS FURTHER ORDERED AND DIRECTED THAT THIS ORDER SHALL BECOME EFFECTIVE UPON BEING FILED WITH THE CLERK AND UPON ERECTION OF ADEQUATE SIGNS GIVING NOTICE OF THE EXISTENCE OF AFORESAID,

SOUTHBOUND DENBY TO YIELD TO TRAFFIC IN THE TRAFFIC CIRCLE AT WHITE PINES

ADOPTED AT THE REGULAR MEETING OF
CITY COUNCIL ON 12/7/2015.

By: _____
Robert J. Gatt, Mayor

By: _____
Maryanne Cornelius, Clerk

**CITY OF NOVI
TRAFFIC CONTROL ORDER**

_____ SPEED
_____ PARKING
 X OTHER

DATE OF ORDER: 11/17/2015
CONTROL NUMBER: 15-25


PURSUANT TO CHAPTER NO. 33 OF THE CODE OF ORDINANCES OF THE CITY OF NOVI, MICHIGAN, SAME BEING THE UNIFORM TRAFFIC CODE FOR CITIES, TOWNSHIPS AND VILLAGES OF MICHIGAN AND IN THE INTEREST OF PUBLIC SAFETY AND CONVENIENCE THE FOLLOWING TRAFFIC CONTROL ORDER IS HEREBY ISSUED BY BRIAN COBURN, ENGINEERING MANAGER, DULY AUTHORIZED AS TRAFFIC ENGINEER, BY SEC. 33-51 OF THE AFORESAID CHAPTER.

ISSUANCE OF THIS TRAFFIC CONTROL ORDER WAS PRECEDED BY STUDY AND INVESTIGATION OF TRAFFIC CONDITIONS ON THE FOLLOWING PUBLIC ROAD OR ROADS IN THE CITY OF NOVI, MICHIGAN.

DENBY CT

AND AFTER SAID INVESTIGATION, IT IS HEREBY ORDERED AND DIRECTED THAT THE DEPARTMENT OF PUBLIC SERVICES ERECT AND MAINTAIN THE YIELD SIGN (S) IN ACCORDANCE WITH THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AS REQUIRED BY SEC. 33-51 OF THE AFORESAID CHAPTER, SAID SIGNS TO GIVE NOTICE OF THE FOLLOWING DETERMINATION:

NORTHBOUND ARDEN GLEN TO YIELD TO TRAFFIC IN THE TRAFFIC CIRCLE AT WHITE PINES



Brian Coburn, P.E. - Traffic Engineer
Dated: 11/17/2015

APPROVED BY CITY COUNCIL

TRAFFIC CONTROL ORDER NUMBER 15-25 HAVING BEEN PRESENTED TO THE COUNCIL OF THE CITY OF NOVI, MICHIGAN FOR STUDY AND APPROVAL, IS HEREBY APPROVED AND IT IS HEREBY ORDERED AND DIRECTED THAT THIS ORDER BE FILED IN THE OFFICE OF THE CITY CLERK AND A COPY THEROF IN THE OFFICE OF THE CHIEF OF POLICE OF SAID CITY.

IT IS FURTHER ORDERED AND DIRECTED THAT THIS ORDER SHALL BECOME EFFECTIVE UPON BEING FILED WITH THE CLERK AND UPON ERECTION OF ADEQUATE SIGNS GIVING NOTICE OF THE EXISTENCE OF AFORESAID,

NORTHBOUND ARDEN GLEN TO YIELD TO TRAFFIC IN THE TRAFFIC CIRCLE AT WHITE PINES

ADOPTED AT THE REGULAR MEETING OF CITY COUNCIL ON 12/7/2015.

By: _____
Robert J. Gatt, Mayor

By: _____
Maryanne Cornelius, Clerk

MEMORANDUM



TO: ROB HAYES, PE; DPS DIRECTOR/CITY ENGINEER
FROM: BRIAN COBURN, PE; ENGINEERING MANAGER
BEN CROY, PE; CIVIL ENGINEER
SUBJECT: PROPOSED TRAFFIC CALMING ON WHITE PINES
DATE: MARCH 17, 2015

The design engineering to rehabilitate White Pines Drive between Beck Road and Cheshire Ct (approximately 0.5 miles east of Beck) was awarded in September 2014 as a continuation of the 2014 Neighborhood Road Program. Staff has been working with the consultant to identify the appropriate rehabilitation methods for this segment and determined that there are some discrete areas that will require reconstruction. (Since the construction will actually occur in 2015, staff will be referring to this project as Contract 1 of the 2015 Neighborhood Road Program to avoid confusion).

The areas requiring reconstruction present some opportunities to introduce traffic calming techniques on White Pines Drive. The existing road is 36-feet wide and staff has received numerous complaints about speeding. These complaints were validated with a speed study in 2014, which indicated an 85th percentile speed of 29 miles per hour. The wide width of the road allows the driver to feel more comfortable driving at speeds in excess of the posted 25 miles per hour. In order to reduce speeds, the perception of the driver must be changed by either narrowing the road, creating vertical diversions (such as speed tables), or by making horizontal diversions (such as traffic circles, chokers, or chicanes).

Staff worked with the design consultant to identify potential locations and treatments to help reduce speeds on White Pines Drive. The attached concept plan shows the proposed locations where the road will be narrowed by median islands and where traffic will be diverted horizontally by way of a traffic circle at the intersection of White Pines/Arden Glen Ct/Denby Ct.

Engineering staff has notified the surrounding Homeowner Associations of the upcoming road improvements. Representatives from the Autumn Park and Arden Glen Subdivisions have indicated they support the proposed traffic calming measures. They have also expressed their desire to include landscaping in the median islands, and have agreed to maintain the landscaping once the project is complete.

This concept has been discussed with the other City departments, and suggestions from the Fire Department and the Department of Public Services' Field Operations Division will be incorporated into the final design of these traffic calming measures.

Staff is working toward bidding the project and starting construction in June 2015. Preliminary design has started on rest of the 2015 Neighborhood Road Program with construction also slated to begin this summer. A final list of streets will be forthcoming within a month.

Please let me know if you have any additional questions in this regard.

TRAFFIC CALMING EXAMPLES



NEIGHBORHOOD TRAFFIC CIRCLE



CHICANES



CHOKERS