



STATE OF MINNESOTA
DEPARTMENT OF TRANSPORTATION

TRUNK HIGHWAY SPEED LIMIT AUTHORIZATION

| | |
|---|---------------------------------|
| Control Section: 6614 | Date: March 10, 2016 |
| Trunk Highway: Minnesota 246 | Order Number: 2010-6B-01 |
| County: Rice | District: 6B-Rochester |
| Location: Junction Trunk Highway 3 to Rice/Goodhue County Line | |

As authorized in Minnesota Statutes, Section 169.14, it is hereby ordered that the following speed limits are approved and shall be put into effect on the described roadway or sections thereof.

30 miles per hour between R.P. 000+00.000 (the intersection with Trunk Highway 3 in Northfield) and R.P. 000+00.749 (a point approximately 200 feet south of the intersection with Marvin Lane in Northfield)

35 miles per hour between R.P. 000+00.749 (a point approximately 200 feet south of the intersection with Marvin Lane in Northfield) and R.P. 001+00.114 (the intersection with Jefferson Parkway in Northfield)

45 miles per hour between R.P. 001+00.114 (the intersection with Jefferson Parkway in Northfield) and R.P. 001+00.494 (a point approximately 300 feet south of the intersection with Arbor Street in Northfield)

55 miles per hour between R.P. 001+00.494 (a point approximately 300 feet south of the intersection with Arbor Street in Northfield) and R.P. 011+00.679 (a point approximately 700 feet west of the intersection with Poplar Street in Nerstrand)

30 miles per hour between R.P. 011+00.679 (a point approximately 700 feet west of the intersection with Poplar Street in Nerstrand) and R.P. 012+00.307 (the intersection with CSAH 26 in Nerstrand)

55 miles per hour between R.P. 012+00.307 (the intersection with CSAH 26 in Nerstrand) and R.P. 013+00.298 (the intersection with Goodhue Avenue, the Rice/Goodhue county line)

School Zone Speed Limit

30 mph "School Zone Speed Limit When Children Are Present" between R.P. 001+00.114 (the intersection with Jefferson Parkway in Northfield) and R.P. 001+00.670 (a point approximately 1230 feet south of the intersection with Arbor Street in Northfield)

Date traffic control devices changed implementing this authorization:

| Date | Signature | Title |
|------|-----------|-------|
| | | |

(RETURN COPY TO CENTRAL OFFICE WHEN COMPLETE)

| | |
|--|--|
| AUTHORIZED SIGNATURE (MS 169.14) | |
|--|--|

NOTE: Reference points (R.P.) shown above are for state reference system.



Minnesota Department of Transportation

District 6, Rochester/Owatonna
2900 48th Street NW
Rochester, MN 55901-5848

Office: 507-286-7683
Fax: 507-285-7355
nancy.klema@state.mn.us

Memo

TO: Peter Buchan
Assistant State Traffic Engineer

ATTN: Nathan Drews

FROM: Nancy Amiot Klema *NAK*
District Traffic Operations Engineer

DATE: March 9, 2016

SUBJECT: School Zone Speed Limit Authorization
TH 246 (CS 6614)
City of Northfield, Rice County

Representatives of the city of Northfield and the Northfield School District have requested the establishment of a School Zone Speed Limit along Highway 246, where the highway fronts the Northfield High School, Bridgewater Elementary and Northfield Middle School property. Local officials have identified the speeds on the highway as a hazard to the many vehicles entering and exiting the schools both before and after school. In conjunction with the school zone, the community will install a school crossing at the Arbor Street intersection, to allow the middle school students to walk and bike to school. An adult crossing guard will be provided by the school district.

The existing speed limit is 35 mph in front of the high school, 45 mph in front of the elementary school (exit only on to Highway 246), 45 mph in front of the main entrance to the middle school and 55 mph in front of the bus-only entrance to the middle school (see attached map). There is an all-way stop at the intersection of Highway 246 and Jefferson Parkway, which is where the speed limit changes to 35 mph.

District Six is requesting a 30 mph school zone speed limit when children are present from the intersection with Jefferson Parkway to approximately 1230 feet south of the intersection with Arbor Street, which is south of the bus-only access to the middle school. We do not feel it is necessary to provide a 30 mph school zone speed limit in the 35 mph speed zone in front of the high school, since it is only a 5 mph difference. Also, there are no sidewalks or residences on the east side of the highway to generate pedestrian traffic. The only access on the east side of the highway in the vicinity of the high school is the cemetery driveway.

The community prepared a Safe Routes to School Plan in 2009. The plan notes high traffic speeds along Highway 246 in front of the main Northfield Middle School access prevents students from safely crossing the highway. Therefore, the school district is currently busing students from the Arbor Street neighborhood to school.

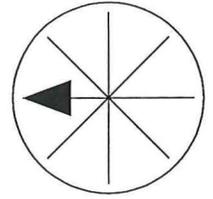
Enclosed is a School Zone Speed Limit Authorization package for your review. Your concurrence is requested for our recommendation of the 30 mph school zone speed limit, from Jefferson Parkway to 1230 feet south of Arbor Drive. If you need further information, please contact me.



SPEED ZONING

DATE: JUNE 23, 2010
 BY: GREG A. WAGNER

NORTH
 INDICATOR



| INDEX MAP | MILEAGE | INPLACE S.L. | PROPOSED S.L. | MISC. |
|---|--------------------|--------------------------------------|--------------------------------------|--|
| <div style="position: absolute; top: 10%; left: 15%; font-size: 8px;"> 85' tile: NB=37 mph SB=38 mph </div> <div style="position: absolute; top: 35%; left: 15%; font-size: 8px;"> 85' tile: NB=47 mph SB=48 mph </div> <div style="position: absolute; top: 60%; left: 15%; font-size: 8px;"> 85' tile: NB=50 mph SB=49 mph </div> | 10,956' (2.075 MI) | 55 MPH 45 MPH 35 MPH 30 MPH | 55 MPH 45 MPH 35 MPH 30 MPH | SCHOOL ZONE SPEED LIMIT WHEN CHILDREN ARE PRESENT 30 MPH URBAN SECTION |

◆ DENOTES SPEED CHECK LOCATIONS

● DENOTES 4-WAY STOP INTERSECTIONS

ROAD LOG (B)

School Zone Speed Limit for Highway 246 in Northfield, Rice County

Date: March 9, 2016

Processed by: Nancy Klema

Road: MN 246

Approx. Length of Zone: 0.56 mile

From: Jefferson Parkway

To: 1,230 feet south of Arbor Drive

Roadway: Lane width 12 feet
Bituminous
Good condition

Shoulder: Width 10 feet
Bituminous
Good condition

Speed Limit: 55 and 45 mph – see Speed Zone Log

Sight Distance Restrictions: None

Sidewalk/Trail: Six feet wide on west side and nine feet wide on east side of Highway 246
Good condition

Land Use: Schools and residential

Vehicular Volume: 3950 vehicles/day (2014)

Pedestrian Volume: None. The 45 mph speed limit prohibits the installation of a marked crosswalk. The school district buses the students to the middle school, but will add a school crossing at Arbor Street, if the school zone speed limit is authorized. An adult crossing guard will be provided by the school district.

Crash Study

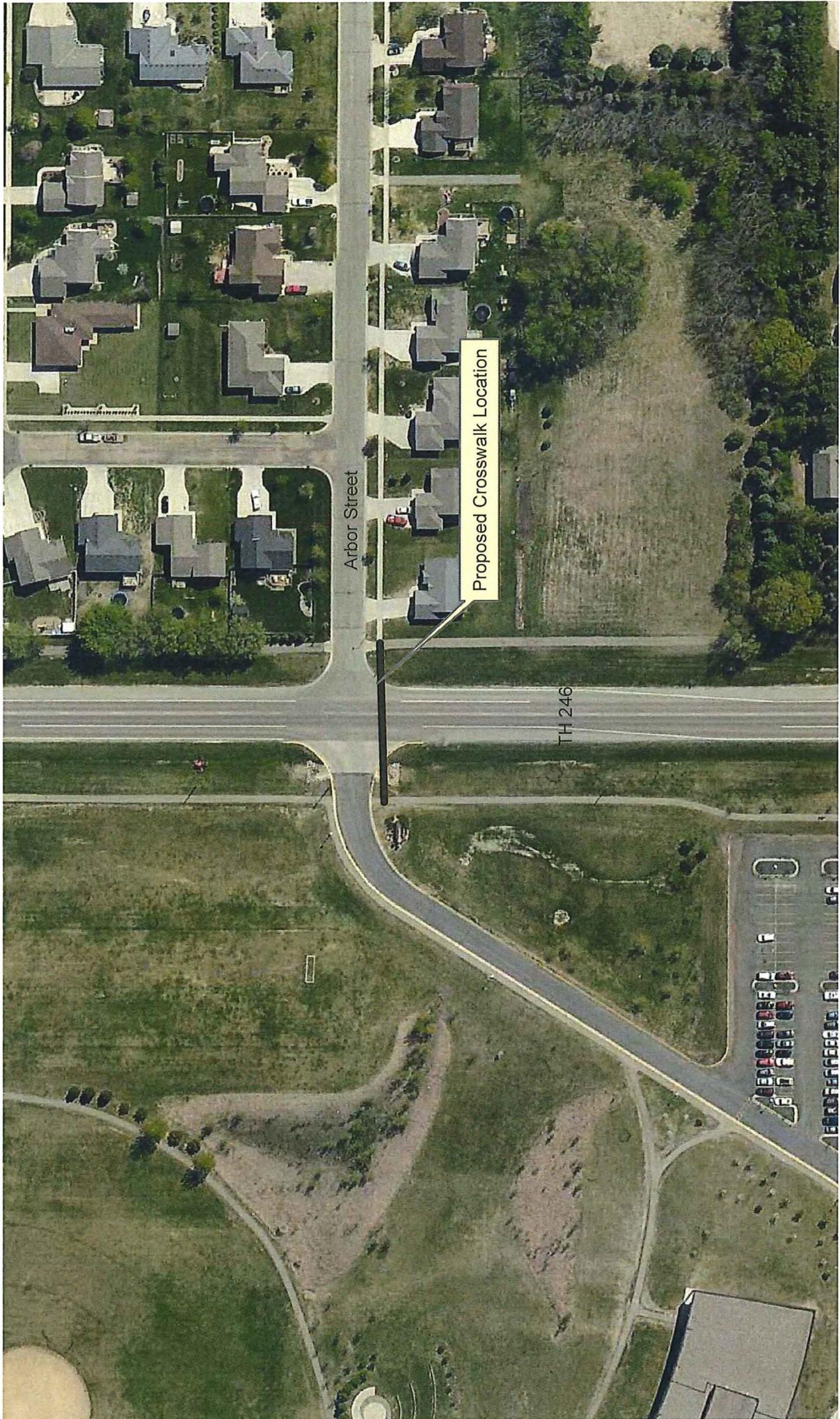
Study Period: January 2005 thru November 2015 (10+ years)

Number of Crashes: 10

Number of Pedestrian Crashes: 0

No parking is allowed on Highway 246.

Recommended School Zone Speed Limit: 30 mph



Arbor Street

Proposed Crosswalk Location

TH 246



Minnesota Department of Transportation

District 6, Rochester/Owatonna
2900 48th Street NW
Rochester, MN 55901-5848

Office: 507-286-7683
Fax: 507-285-7355
nancy.klema@state.mn.us

February 25, 2016

David E. Bennett
Public Works Director/City Engineer
City of Northfield
801 Washington Street
Northfield, MN 55057

RE: School Zone Speed Limit Authorization Request
MN TH 246, C.S. 6614

Dear Dave,

Thank you for the response letter you sent dated January 20, 2016, which answered our questions regarding the establishment of a school crossing in conjunction with a school zone speed limit authorization request on Highway 246.

As we discussed on the phone, the location where we will allow a school crossing is at Arbor Street, on the south side of the intersection. By placing the crosswalk on the south side, the students will not be in conflict with the vehicles in the right turn lane into the middle school. We prefer Arbor Street over the Anderson Drive intersection because students who live closer to Arbor Street are unlikely to walk out of their way to use a crossing at Anderson Drive. Any high school students in the Arbor Street/Anderson Drive neighborhood can walk to Jefferson Parkway to cross Highway 246 at the all-way stop.

Please allow me to clarify item #5 from my original letter, which read as follows:

5. Please submit plans for the proposed school crossing at Arbor Street and/or Anderson Drive. As we discussed, the crossing should include pedestrian-activated flashing signs and/or geometric improvements such as curb bump outs or median refuge islands.

A school crosswalk at Arbor Street will require the following:

- Adult crossing guard, provided by school district
- School crosswalk signage, provided by MnDOT
- School crosswalk pavement markings, provided by the city, maintained by MnDOT

Additional crosswalk enhancements, which have been shown to significantly improve motorist yielding behavior, are recommended, as follows:

- Pedestrian-activated flashing signage



- Mast arm signage
- Curb extensions
- Raised median
- Combination of any of the above

The additional crosswalk enhancements would be installed and paid for by the city.

Please submit plans for the construction of the crosswalk, which need to include connecting the sidewalk/trails to the crossing location and providing ADA compliant ramps. The culvert in the southwest quadrant will likely need to be extended. These improvements will be allowed through the permit process, with the city responsible for the design, construction and costs.

Once we have the crosswalk plan approved through the permit process, we will forward the School Zone Speed Limit Authorization request to MnDOT's Central Office in St. Paul for consideration. When the school zone speed limit is approved, District Six staff will install the required signage for the school zone.

The addition of driver feedback signage will be allowed through the permit process, and can be requested at a later date, when funding is available.

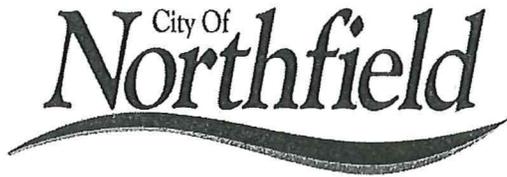
Feel free to contact me with questions.

Sincerely,

Nancy Amiot Klema, PE
District Traffic Operations Engineer
District Six

cc: Michael Schweyen, District Traffic Engineer
Steve Kirsch, Assistant District Engineer Program Support
Fausto Cabral, Assistant District Engineer State Aid
Mark Schoenfelder, District Planning Supervisor





December 8, 2015

Mark Schoenfelder
MnDOT Planning Director Transportation
2900 48th St. NW
Rochester, MN 55901

Dear Mark:

The City, School District, and MnDot have been working together to look for solutions related to access and safety on TH 246 adjacent to the Schools. From our discussions, MnDot indicated they would proceed with the installation of a School Speed Zone on TH 246, upon receipt of a letter of support from the City.

At the December 8, 2015 City Council meeting City Council authorized submittal of this letter indicating support for the installation of a school speed zone on TH 246 adjacent to Northfield High School, Bridgewater Elementary, and Northfield Middle School.

Please recognize this as your official support from the City requesting MnDot to proceed with the installation of a school speed zone.

Yours truly,

A handwritten signature in black ink that reads "David E. Bennett". The signature is fluid and cursive, with a long, sweeping underline.

David E. Bennett, P.E.
Public Works Director/City Engineer
City of Northfield, MN