

**VILLAGE OF DOWNERS GROVE**  
**REPORT FOR THE VILLAGE COUNCIL MEETING**  
**FEBRUARY 14, 2012 AGENDA**

SUBJECT:	TYPE:	SUBMITTED BY:
Main and Maple Intersection – Traffic Signal Modifications	✓ Resolution Ordinance Motion Discussion Only	Nan Newlon, P.E. Director of Public Works

**SYNOPSIS**

An ordinance has been prepared to amend sections of the Municipal Code concerning turn restrictions, such that the right lane for northbound Main Street at Maple Avenue is converted to an exclusive right turn lane and the left lane is signed to prohibit left turns during the morning and evening peak travel times.

**STRATEGIC PLAN ALIGNMENT**

The goals for 2011-2018 include *Exceptional Municipal Services*.

**FISCAL IMPACT**

N/A

**RECOMMENDATION**

Approval on the February 21, 2012 active agenda

**BACKGROUND**

The results of the Neighborhood Traffic Study conducted in 2010 included a recommendation to restrict northbound and southbound left-turn movements from Main Street onto Maple Avenue and to create an exclusive right-turn lane on northbound Main Street at Maple Avenue. The goal of the recommendation is to expedite travel flow at this intersection during both morning and evening peak travel periods, as well as to minimize the tendency of motorists to use local streets.

The Village Manager authorized a temporary change to traffic controls at the intersection on November 21, 2011. A 'No Left Turn' sign was installed at the intersection in November. The restriction was in place 24 hours per day, every day of the week. Staff received complaints about the 24-hour restriction. In response to the complaints, the sign was changed to a lighted sign in January 2012, which activates to show that left turns are prohibited Monday through Friday during peak morning and evening hours. At all other times, left turns from the northbound left lane will be permitted. Signaling and striping were also adjusted to indicate the exclusive right-turn lane restriction.

This item was presented to the Transportation and Parking Commission at the January 11, 2012 meeting. The Commission voted unanimously 7-0 to accept staff's recommendations. Staff will continue to monitor the operation and performance of this intersection.

**ATTACHMENTS**

Ordinance

Village Manager Temporary Authorization

Meeting Minutes – Transportation and Parking Commission January 11, 2012

Turn Restrictions - Exhibit

**ORDINANCE NO. \_\_\_\_\_**

**AN ORDINANCE ESTABLISHING TURN RESTRICTIONS  
AT THE CORNER OF MAIN & MAPLE**

BE IT ORDAINED by the Village Council of the Village of Downers Grove in DuPage County, Illinois, as follows: (Additions are indicated by shading/underline; deletions by ~~strikeout~~):

**Section 1. That Section 14.52.22. is hereby added to read as follows:**

**14.52.22. Restrictions on movements of vehicles from Main Street onto Maple Avenue from 6-8 a.m. and 4-6 p.m., Monday through Friday.**

(a) It shall be unlawful for any person driving or operating any automobile, truck or other vehicle proceeding northbound on Main Street at Maple Avenue to turn such vehicle left from the left lane so as to proceed westerly on Maple Avenue between the hours of 6:00 a.m. and 8:00 a.m. and also 4:00 p.m. and 6:00 p.m, Monday through Friday.

(b) It shall be unlawful for any person driving or operating any automobile, truck or other vehicle proceeding northbound on Main Street at Maple Avenue in the right lane to proceed straight through in a northerly direction. The northbound right lane on Main Street approaching Maple Avenue shall be a designated exclusive right turn lane only permitting right turns in an easterly direction on Maple Avenue.

**Section 2.** That all ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed.

**Section 3.** That this ordinance shall be in full force and effect from and after its passage and publication in the manner provided by law.

\_\_\_\_\_  
Mayor

Passed:

Published:

Attest: \_\_\_\_\_

Village Clerk

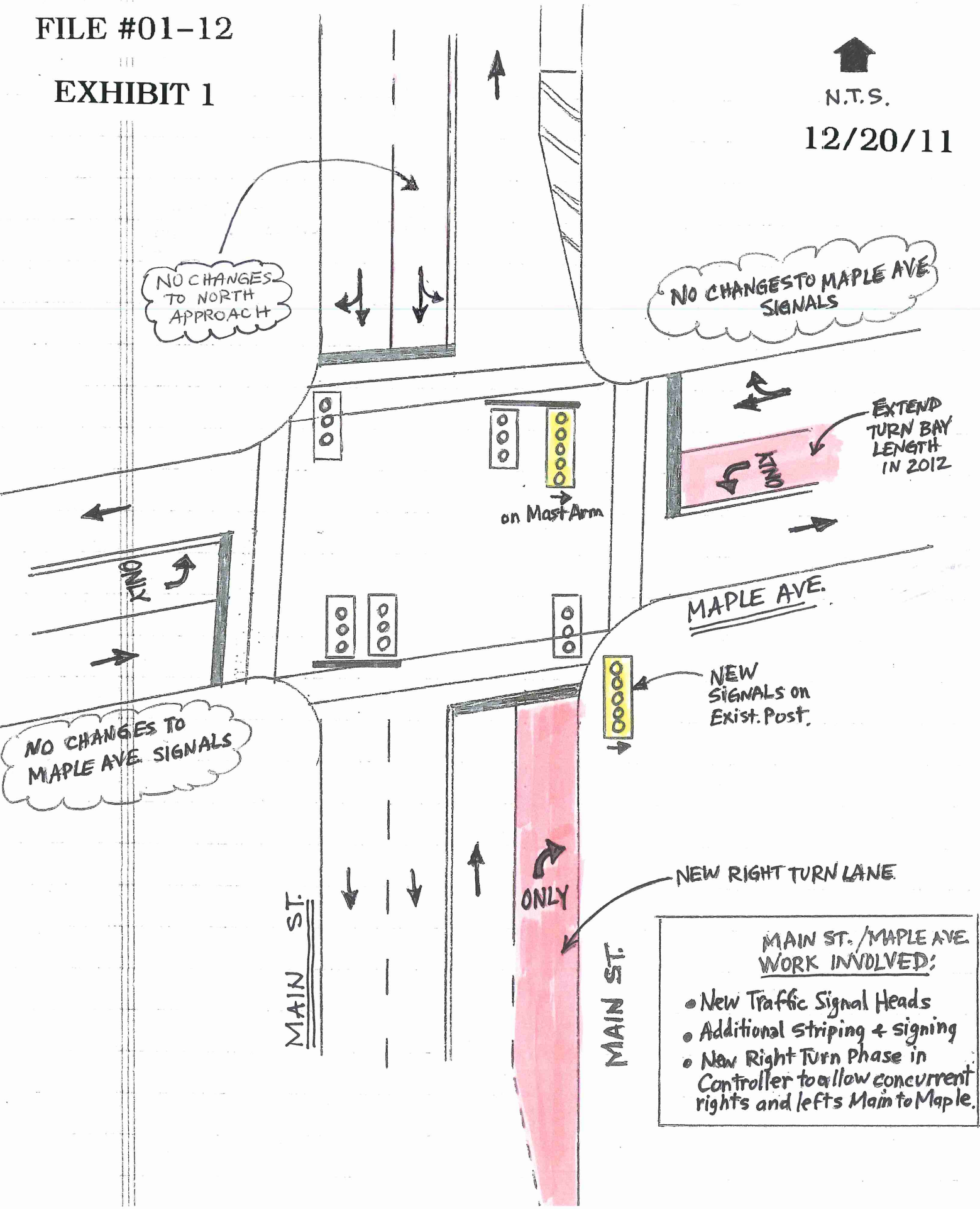
# TRANSPORTATION & PARKING COMMISSION

FILE #01-12

EXHIBIT 1

↑  
N.T.S.

12/20/11



NO CHANGES TO NORTH APPROACH

NO CHANGES TO MAPLE AVE SIGNALS

NO CHANGES TO MAPLE AVE SIGNALS

EXTEND TURN BAY LENGTH IN 2012

MAPLE AVE.

NEW SIGNALS on Exist. Post.

NEW RIGHT TURN LANE

MAIN ST.

MAIN ST.

- MAIN ST. / MAPLE AVE. WORK INVOLVED:**
- New Traffic Signal Heads
  - Additional Striping & signing
  - New Right Turn Phase in Controller to allow concurrent rights and lefts Main to Maple.



**Village of Downers Grove  
Public Works  
Memo**

To: David Fieldman, Village Manager  
From: Dorin Fera, Transportation Division Manager  
Date: November 14, 2011  
Subject: **Request for Approval  
Temporary Suspension of Specified Traffic Operations – Main Street at Maple Avenue**

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*In accordance with Chapter 14-4 of the Downers Grove Municipal Code, a request is hereby made for the temporary suspension of traffic operations associated with the following streets as specified below:*

- Main St. northbound at Maple Ave. – Convert right lane into exclusive right turn only lane;
- Main St. northbound at Maple Ave. – Convert left lane into exclusive thru lane, such that left turns onto Maple Ave. shall be prohibited.

The Village is pursuing temporary traffic operations control at this intersection in accordance with the recommended measures from the 2010 Neighborhood Traffic Study, which encompassed the area bounded by Main St., Maple Ave., Fairview Ave., and 55<sup>th</sup> Street. The intent of this action is to enhance traffic flow at this intersection by serving the predominant traffic movements, which are northbound thru traffic and right turn traffic on Main St. approaching Maple Avenue.

This item is scheduled for presentation to the Transportation and Parking Commission at its January 11, 2012 regular meeting.

In accordance with Chapter 14-4, the duration of this suspension of parking regulations shall be for a period not to exceed sixty (60) days. In the event that additional time is required for the use of these installations, a request for an extension for each appropriate action will be made.

Director of Public Works Concurrence: *Nanail Newler* Date: 11/18/11

Chief of Police Concurrence: *Robert A. Bunker* Date: 11/21/11

Village Manager Approval: *David Fieldman* Date: 11/21/11

c: Enza Petrarca, Village Attorney  
Tim Sembach, Police Department  
Sgt. David Bormann, Police Department

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# **TRANSPORTATION AND PARKING COMMISSION MEETING MINUTES**

**JANUARY 11, 2012**

**1. File # 01-12 Turn Restrictions – Main Street at Maple Avenue.** Traffic Manager **Mr. Fera** reported this matter was before the commission for final approval because it needs to become an ordinance. It was part of the recommendations of the 2010 Neighborhood Traffic Study completed at the end of last year that came with short-term, mid-term and long-term improvement recommendations. Tonight's discussion would focus on a short-term improvement, which was done in conjunction with DuPage County's left-turn signal (eastbound) improvement completed at 55<sup>th</sup> and Main Street. Per **Mr. Fera**, the exclusive northbound right-turn lane on Main Street appears to be very effective. However, due to phone calls and staff review, there was now reconsideration for addressing the northbound through-lane to only prohibit northbound left-turns during peak hours of travel which would be a better balance for all the traffic through the area. **Mr. Fera** stated this was one of the additional line items in tonight's recommendation.

**Mr. Fera** reported what the traffic counts reflected when this matter was reviewed by staff, i.e., that 95% of the traffic was traveling north or turning right, but the remaining 5% were making left turns but with great difficulty. He felt that with the latest improvements, all traffic could be better served.

When traveling the intersection personally, **Mr. Wrobel** thought there would be a permanent illuminated No Left Turn sign along with the regular signal but he saw no such device, wherein, **Mr. Fera** mentioned that the current static sign would be replaced with an automated LED sign. Asked whether the problems with LED lights being kept clear during snow storms was solved, **Mr. Fera** explained there such traffic signal heads do exist with louvers that re-direct the snow to maintain signal vision. However, based on the levels of winter snowfalls in the Village, staff has not yet decided whether those devices are needed at this time.

**Chairman Stuebner** opened up the meeting to public comment. No public comment received. The chairman entertained a motion

**MR. SCHILLER MADE A MOTION TO FORWARD STAFF'S RECOMMENDATIONS, AS WRITTEN, TO THE VILLAGE COUNCIL TO COMPLETE THE IMPROVEMENTS AT MAPLE AND MAIN STREET.**

**SECONDED BY MR. SARICKS.**

**MOTION CARRIED BY VOICE VOTE OF 7-0.**