

To: Trustee Rick Soderstrom, Chairman Transportation and Safety Committee

From: David A. Dratnol, PE, Village Engineer

Date: April 8, 2004

Subject: Traffic Signal at Highland Avenue and Eastgate Road

At its last meeting, the Transportation and Safety Committee discussed the installation of traffic signals at the intersection of Highland Avenue and Eastgate Road. Subsequent to the meeting additional information has become available.

The DuPage Medical Group is constructing a medical facility on the southeast corner of Highland Avenue and Eastgate Road. A traffic impact analysis was conducted in November 2001 as part of the Village review of the medical facility. The results of this report concluded that traffic signals were not warranted. However, six of the eight required hours were met for the Combination Warrant using existing conditions in 2001. Two additional hours met major street volumes and the minor street volumes were 54 and 55 versus the required 60. The DuPage Medical Group facility will have patients visiting throughout the day with staff entering/exiting the facility at peak hours. Taking into consideration the increase in traffic volumes from 2001 to 2004 from additional construction in the area, the Combination Warrant is closer to meeting all eight hours if not now meeting them.

One issue of concern, not addressed by the signal warrants, deals with the motorists using the medical facility. Because this is a medical facility, there will be a significant percentage of motorists transporting both elderly and very young patients as well as sick individuals. The nature of these visits results in distressed and distracted drivers. By installing a traffic signal at the Highland Avenue and Eastgate Road intersection, the motorists are afforded a safer turning maneuver.

In reviewing the "Existing Plus Site Conditions" signal analysis scenario in the Bucher, Willis & Ratliff Traffic Impact Analysis for the medical clinic, the major and minor street approach traffic volumes do not include any additional traffic for the medical clinic except during the AM and PM peak hours. The impact of the trips generated by the clinic have not been adequately addressed for any of the off-peak hours.

The Village, through the Department of Community Development, has received a petition from residents requesting the installation of a traffic signal at Highland Avenue and Eastgate Road.

For these reasons, staff is of the opinion that traffic signals should be installed and is recommending that the Transportation and Safety Committee recommend to the Village Board that traffic signals be installed at the intersection of Highland Avenue and Eastgate Road.

DD/jg

cc: Rick Soderstrom, Trustee, District 6
Joan DeStephano, Trustee, District 1
Richard Tross, Trustee, District 2
Karen Koenig, Trustee, District 3
Steven Sebby, Trustee, District 4
Kenneth Florey, Trustee, District 5
William T. Lichter, Village Manager
John Burg, Acting Director of Public Works
Transportation and Safety Committee