

010465



To: Stan Rickard, Public Works Director
From: John Johnson, Technical Services Supervisor *JJ*
Date: June 6, 2001
Subject: Request for Yield Signs on Magnolia at Cherry

Attached is a signed petition from area residents requesting the Village install Yield signs on Magnolia. Included is a speed survey for westbound Magnolia and northbound Cherry. The intersection is clear of obstructions making it easier to go faster around the corner. Residents have experienced damage to their property due to vehicles leaving the roadway. The use of a Yield sign in this situation will not address the problem of vehicles losing control and leaving the roadway and running over the parkway. The sight distance is too great to naturally reduce the speeds of vehicles turning the corner. To provide positive control at this intersection, I would recommend installing Stop signs on Magnolia at Cherry.

"End of Road" signs were installed at the dead end of Magnolia and Cherry where they meet with Madison Meadow Park for added safety to the area.

cc: Richard Tross, Trustee - District 2
Rick Soderstrom, Trustee - District 6
Mr. Joseph Muff, 901 Cherry Ln.
Transportation and Safety Committee

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: LOMBARD
Street: N.B. Cherry at Magnolia**

A study of vehicle traffic was conducted with HI-STAR unit number 8230. The study was done in the lane on N.B. Cherry at Magnolia in LOMBARD, IL in DUPAGE county. The study began on 05/01/2001 at 10:00 AM and concluded on 05/03/2001 at 10:00 AM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 365 vehicles passed through the location with a peak volume of 26 on 05/01/2001 at 04:00 PM and a minimum volume of 0 on 05/01/2001 at 01:00 PM. The AADT Count for this study was 183.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

Chart 1

0 to 10	11 to 15	16 to 20	21 to 25	26 to 30	31 to 35	36 to 40	41 to 45	46 to 50	51 to 55	56 to 59	60 to 64	65 to 69	70 to 74	75 >
0	15	33	134	135	30	8	3	3	0	0	1	1	0	0

At least half of the vehicles were traveling in the 21 - 25 mph range or a lower speed. The average speed for all classified vehicles was 24 mph with 12.6 percent exceeding the posted speed of 30 mph. The HI-STAR found 0.55 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 26 mph and the 85th percentile was 26.19 mph.

CLASSIFICATION

Chart 2 lists the values of the eight classification bins and the total traffic volume accumulated for each bin.

Chart 2

0 to 20	21 to 27	28 to 39	40 to 49	50 to 59	60 to 68	69 to 80	81 >
330	22	5	2	4	0	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 352 which represents 97.00 percent of the total classified vehicles. The number of Small Trucks in the study was 5 which represents 1.40 percent of the total classified vehicles. The number of Trucks/Busses in the study was 2 which represents 0.60 percent of the total classified vehicles. The number of Tractor Trailers in the study was 4 which represents 1.10 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 05/01/2001 at 04:00 PM the average headway between the vehicles was 133.33 seconds. The slowest traffic period was on 05/01/2001 at 01:00 PM. During this slowest period, the average headway was 3600.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 70 and 95 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

JOSEPH C. MUFF
BUSINESS MANAGER

PH. (630) 513-0863
CAR (708) 287-5482
FAX (630) 513-0871



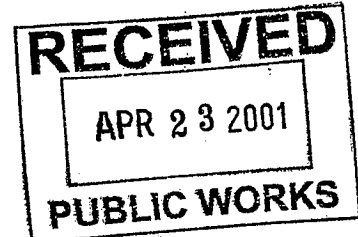
Women Business Enterprise

32W774 ARMY TRAIL ROAD • WAYNE, IL 60184

MR. John Johnson

s, Inc.

901 South Cherry Lane Lombard, Illinois 60148
Telephone: 629-7598 Fax 629-7512
7570



Rose L. Lane
902 Cherry Lane

Joseph C. Muff
901 So. Cherry Lane

Ann: Jean Cuthand
905 S. Cherry Lane

Jim Brach
906 Cherry Lane

