



DeKalb County
Public Works
Transportation Division
1950 W. Exchange Place, 4th Floor
Tucker, Georgia 30084
Phone: 770-492-5219 - Fax: 770-492-5201

November 09, 2007

Robert Jankey
2037 Desmond Drive
Decatur, GA 30033

RE: Preliminary Traffic Calming Design - DESMOND DRIVE (Between Reckle Road and Clairmont Road)

Dear Mr. Jankey:

DeKalb County's Traffic Calming Program is providing a preliminary design for DESMOND DRIVE's (Between Reckle Road and Clairmont Road) affected area. Please review the enclosed design(s).

Your street(s) have until November 09, 2008 to come to a consensus on the plan. After that date your area will fail the traffic calming program.

If you have any questions regarding the information provided, you may contact the project engineer, Ledrus Brown at 770-492-5259. Thank you for your interest in the Traffic Calming Program.

rsbrown@dekalb.ga.us

Sincerely,

John Gurbal, ADPW
for
John Gurbal, ADPW
Transportation Division

JG/P GK; lb

Enclosed: DESMOND DRIVE's (Between Reckle Road and Clairmont Road) preliminary design

cc: Traffic Calming File

DIST 18
 LOT 60, 61
 SPEED 200
 RT - 0

#1535

Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Decatur
Street: desmond drive 2050

A study of vehicle traffic was conducted with HI-STAR unit number 3268. The study was done in the eastbound lane on desmond drive 2050 in Decatur, GA in Dekalb county. The study began on 10-03-2006 at 10:00 AM and concluded on 10-04-2006 at 10:00 AM, lasting a total of 24 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 1,847 vehicles passed through the location with a peak volume of 396 on 10-04-2006 at 08:00 AM and a minimum volume of 1 on 10-04-2006 at 12:00 AM. The ADT Count for this study was 1,847.

SPEED

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

| | | | | | | | | | | | | | | |
|----|----|----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|
| 0 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| to | to | to | to | to | to | to | to | to | to | to | to | to | to | > |
| 0 | 14 | 19 | 24 | 29 | 34 | 39 | 44 | 49 | 54 | 59 | 64 | 69 | 74 | 75 |
| 0 | 31 | 69 | 141 | 438 | 613 | 338 | 102 | 38 | 24 | 8 | 10 | 5 | 5 | 2 |

Chart 1

At least half of the vehicles were traveling in the 30 - 34 mph range or a lower speed. The average speed for all classified vehicles was 30 mph with 62.7 percent exceeding the posted speed of 25 mph. The HI-STAR found 1.21 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 30 mph and the 85th percentile was 34.32 mph.

CLASSIFICATION

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

| | | | | | | | |
|----|-----|----|----|----|----|----|----|
| 0 | 21 | 28 | 40 | 50 | 60 | 70 | 80 |
| to | to | to | to | to | to | to | > |
| 0 | 27 | 39 | 49 | 59 | 69 | 79 | 80 |
| 0 | 111 | 25 | 7 | 1 | 0 | 0 | 0 |

Chart 2

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 1,791 which represents 98.20 percent of the total classified vehicles. The number of Small Trucks in the study was 25 which represents 1.40 percent of the total classified vehicles. The number of Trucks/Buses in the study was 7 which represents 0.40 percent of the total classified vehicles. The number of Tractor Trailers in the study was 1 which represents 0.10 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 10-04-2006 at 08:00 AM the average headway between the vehicles was 9.07 seconds. The slowest traffic period was on 10-04-2006 at 12:00 AM. During this slowest period, the average headway was 1800.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 68 and 89 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

Time/Speed Report

| | | | | |
|----------------------------|----------------------------|--------------------------|---------------|----------------|
| HI-Star ID: 3268 | Street: desmond drive 2050 | State: GA | City: Decatur | County: Dekalb |
| Begin: 10-03-2006 10:00 AM | End: 10-04-2006 10:00 AM | Lane: eastbound | Oper: JSJ | Posted: 25 |
| AADT Factor: 1 | | Raw Count: 1847 | | |
| AADT Count: 1847 | | Period: 60 | | |
| Hours: 24:00 | | End: 10-04-2006 10:00 AM | | |

| Date & Time Range | NC97 - mph | | | | | | | | | | | Total |
|--------------------------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------|
| | 0 to 10 | 10 to 15 | 15 to 20 | 20 to 25 | 25 to 30 | 30 to 35 | 35 to 40 | 40 to 45 | 45 to 50 | 50 to 55 | 55 to 60 | |
| 10-03-2006 [10:00 AM-11:00 AM] | 1 | 2 | 2 | 13 | 34 | 13 | 4 | 1 | 2 | 0 | 0 | 0 |
| 10-03-2006 [11:00 AM-12:00 PM] | 0 | 0 | 0 | 6 | 18 | 19 | 11 | 4 | 3 | 2 | 0 | 0 |
| 10-03-2006 [12:00 PM-01:00 PM] | 0 | 2 | 4 | 7 | 15 | 16 | 3 | 2 | 0 | 0 | 0 | 0 |
| 10-03-2006 [01:00 PM-02:00 PM] | 0 | 1 | 2 | 5 | 17 | 23 | 4 | 1 | 0 | 1 | 0 | 0 |
| 10-03-2006 [02:00 PM-03:00 PM] | 0 | 2 | 1 | 11 | 20 | 14 | 8 | 2 | 1 | 0 | 0 | 0 |
| 10-03-2006 [03:00 PM-04:00 PM] | 0 | 0 | 0 | 8 | 10 | 19 | 9 | 0 | 0 | 0 | 0 | 0 |
| 10-03-2006 [04:00 PM-05:00 PM] | 0 | 1 | 1 | 4 | 11 | 25 | 18 | 5 | 1 | 0 | 0 | 0 |
| 10-03-2006 [05:00 PM-06:00 PM] | 0 | 1 | 1 | 6 | 25 | 27 | 4 | 0 | 0 | 0 | 0 | 1 |
| 10-03-2006 [06:00 PM-07:00 PM] | 0 | 0 | 1 | 2 | 8 | 20 | 6 | 2 | 4 | 0 | 0 | 0 |
| 10-03-2006 [07:00 PM-08:00 PM] | 0 | 0 | 1 | 3 | 5 | 24 | 3 | 2 | 0 | 0 | 0 | 0 |
| 10-03-2006 [08:00 PM-09:00 PM] | 0 | 0 | 1 | 4 | 8 | 14 | 4 | 2 | 0 | 0 | 0 | 0 |
| 10-03-2006 [09:00 PM-10:00 PM] | 0 | 0 | 1 | 1 | 3 | 5 | 6 | 0 | 0 | 0 | 0 | 0 |
| 10-03-2006 [10:00 PM-11:00 PM] | 0 | 0 | 2 | 0 | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 0 |
| 10-03-2006 [11:00 PM-12:00 AM] | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 5 |
| Daily Totals: | 0 | 12 | 24 | 67 | 197 | 146 | 14 | 11 | 2 | 0 | 1 | 1 |
| 10-04-2006 [12:00 AM-01:00 AM] | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 10-04-2006 [01:00 AM-02:00 AM] | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 3 |
| 10-04-2006 [02:00 AM-03:00 AM] | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| 10-04-2006 [03:00 AM-04:00 AM] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 10-04-2006 [04:00 AM-05:00 AM] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 10-04-2006 [05:00 AM-06:00 AM] | 0 | 0 | 0 | 0 | 4 | 13 | 5 | 1 | 2 | 1 | 0 | 27 |
| 10-04-2006 [06:00 AM-07:00 AM] | 0 | 2 | 1 | 12 | 26 | 29 | 11 | 5 | 2 | 2 | 1 | 113 |
| 10-04-2006 [07:00 AM-08:00 AM] | 0 | 0 | 1 | 30 | 91 | 118 | 59 | 23 | 7 | 3 | 0 | 371 |
| 10-04-2006 [08:00 AM-09:00 AM] | 0 | 0 | 4 | 12 | 27 | 89 | 154 | 66 | 20 | 6 | 3 | 396 |
| 10-04-2006 [09:00 AM-10:00 AM] | 0 | 2 | 2 | 8 | 30 | 44 | 39 | 9 | 3 | 1 | 1 | 139 |
| Daily Totals: | 0 | 19 | 45 | 241 | 360 | 192 | 24 | 65 | 38 | 8 | 5 | 1056 |
| Report Totals: | 0 | 31 | 69 | 141 | 438 | 613 | 102 | 38 | 24 | 10 | 5 | 1824 |

Report Percentages: 0.00% 3.78% 24.01% 18.53% 2.08% 0.44% 0.27% 0.11% 1.70% 7.73% 33.61% 5.59% 1.32% 0.55% 0.27%