CITY OF ROCHESTER HILLS
DEPARTMENT OF PUBLIC SERVICES

February 20, 2004

TRAFFIC CONTROLS (SECTION 5)
GRANDVIEW AT RIDGEFIELD COURT
GRANDVIEW AT SANDY RIDGE (NORTH)
SANDY RIDGE AT FAIRMONT
<u>Background</u>

On February 2 & 5, 2004, stop sign observance traffic studies were conducted for the above subject three (3) intersections. These traffic studies were to evaluate driver's compliance after the installation of all-way stop signs by the City on 09/25/03. A video camera was stationed within the rear window of a City vehicle to record and monitor traffic at each of the three intersections. The City vehicle was parked away the intersection and in an opposite direction as not to influence the study.

<u>Study Periods:</u>

Grandview at Ridgefield Court	8:20am-9:50am (2/5) & 4:30pm-6:00pm (2/2)
Grandview at Sandy Ridge (north)	6:30am-8:15am (2/5) & 3:25pm-4:25pm (2/4)
Sandy Ridge at Fairmont	10:00am-12:50pm (2/2)

Driver's actions were reviewed from the videotape and tabulated for through traffic on Grandview and Sandy Ridge (at its intersection with Fairmont). Each driver's action was then categorized into four (4) groups of full stop, almost stopped, forced stop, and no stop. The following is the total recorded sample for each intersection studied.

<u>Analysis of results:</u>   **`Total # Vehicles Observed**

Grandview at Ridgefield Court					346
	Voluntary full stop	=	15	(4%)	
	Stopped by traffic	=	41	(12%)	
	Practically stopped	=	223	(65%)	
	Non-stopping	=	67	(19%)	
Grandview at Sandy Ridge (north)					207
	Voluntary full stop	=	34	(16%)	
	Stopped by traffic	=	14	(7%)	
	Practically stopped	=	129	(62%)	
	Non-stopping	=	30	(15%)	
Sandy Ridge at Fairmont					34
	Voluntary full stop	=	5	(15%)	
	Stopped by traffic	=	1	(3%)	
	Practically stopped	=	20	(59%)	
	Non-stopping	=	8	(23%)	

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