

Appendix 3

Existing (Year 2009) Traffic Operational Analysis

Existing (Year 2009) Peak Hour Traffic Operations
With Existing Geometrics

Golf Road Intersection	Traffic Control	Peak Hour	Level of Service per Movement by Approach											
			Eastbound			Westbound			Northbound			Southbound		
			LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
STH 83	Traffic Signal	PM	D	D	D	D	D	D	C	C	B	B	C	B
		SAT	D	D	D	D	D	D	C	C	B	C	C	B
Walgreen's Driveway	One-Way Stop	PM	A	A	-	-	A	A	-	-	-	E ¹	-	B
		SAT	B	A	-	-	A	A	-	-	-	F ²	-	D
Sports Authority / Truck Access	Two-Way Stop	PM	A	A	A	A	A	A	F ³	F ³	B	C	C	C
		SAT	A	A	A	B	A	A	F ⁴	F ⁴	B	D	D	D
Kohl's West Access	One-Way Stop	PM	A	A	-	-	A	A	-	-	-	E ⁵	-	B
		SAT	B	A	-	-	A	A	-	-	-	F ⁶	-	b
Marshall's Access	One-Way Stop	PM	-	A	A	A	A	-	D	-	D	-	-	-
		SAT	-	A	A	A	A	-	F ⁷	-	F ⁷	-	-	-
Applebee's Access	One-Way Stop	PM	-	A	A	A	A	-	B	-	B	-	-	-
		SAT	-	A	A	A	A	-	B	-	B	-	-	-
Kohl's East Access	One-Way Stop	PM	A	A	-	-	A	A	-	-	-	B	-	B
		SAT	A	A	-	-	A	A	-	-	-	B	-	B
Odobas Access	One-Way Stop	PM	-	A	A	A	A	-	B	-	B	-	-	-
		SAT	-	A	A	A	A	-	B	-	B	-	-	-
Sentry West Access / Best Buy Access	Two-Way Stop	PM	A	A	A	A	A	A	C	C	A	B	B	B
		SAT	A	A	A	A	A	A	C	C	A	B	B	B
Sentry East Access / Truck Access	Two-Way Stop	PM	A	A	A	A	A	A	B	B	B	B	B	B
		SAT	A	A	A	A	A	A	B	B	B	B	B	B

Notes: Eastbound and westbound movements represent Golf Road.
(-) indicates a movement that is not possible.

- 1) Delay = 40 seconds per vehicle
- 2) Delay = 63 seconds per vehicle
- 3) Delay = 76 seconds per vehicle
- 4) Delay = 290 seconds per vehicle
- 5) Delay = 38 seconds per vehicle
- 6) Delay = 68 seconds per vehicle
- 7) Delay = 67 seconds per vehicle