

**Table 1
Trip Generation**

Land Use	Intensity	ITE Code	Daily	A.M. Peak Hour			P.M. Peak Hour		
				Total	In	Out	Total	In	Out
<i>Proposed Metcalf Village Shops (9-10-07 Plan)</i>									
Home Improvement Superstore	171,069 sf	86	4,672	205	111	94	419	197	222
Retail	246,928 sf	820	12,221	269	164	105	1,137	546	591
Apartments	303 units	220	1,971	152	30	122	184	120	64
Townhouses	42 units	230	307	26	4	22	30	20	10
	<i>Retail Subtotal Trips</i>		<i>19,171</i>	<i>652</i>	<i>309</i>	<i>343</i>	<i>1,770</i>	<i>883</i>	<i>887</i>
	<i>Internal Trips</i>			<i>---</i>	<i>---</i>	<i>---</i>	<i>583</i>	<i>279</i>	<i>304</i>
	<i>External Trips</i>			<i>652</i>	<i>309</i>	<i>343</i>	<i>1,187</i>	<i>604</i>	<i>583</i>
	<i>Pass-By Trips</i>						<i>171</i>	<i>82</i>	<i>89</i>
	<i>Non-Pass-By Trips</i>			<i>652</i>	<i>309</i>	<i>343</i>	<i>1,016</i>	<i>522</i>	<i>494</i>
Master Planned Land Uses									
<i>Single-Family Residential (2.5 du per acre)</i>	188 units	210	1,859	141	35	106	189	119	70
	<i>Total Master Planned Trips</i>		<i>1,859</i>	<i>141</i>	<i>35</i>	<i>106</i>	<i>189</i>	<i>119</i>	<i>70</i>
<i>Total Difference (Project Trips - Master Planned Trips)</i>			<i>17,312</i>	<i>511</i>	<i>274</i>	<i>237</i>	<i>827</i>	<i>403</i>	<i>424</i>

Trip Distribution

The estimated new peak hour trips generated by the proposed development were distributed onto the street system based on the trip distributions summarized below. Table 2 illustrates the general distributions used in this study, which were derived based on existing travel patterns and land uses in the area as well as consultations with city staff. The detailed distribution patterns through the study intersections are documented in Appendix B.

**Table 2
Trip Distribution**

Direction To/From	Existing Plus Development		Future	
	Retail	Residential	Retail	Residential
North on Switzer Road	5%	5%	5%	5%
South on Switzer Road	--	--	--	--
North on Antioch Road	5	5	5	5
South on Antioch Road	1	1	1	1
North on US 69	25	40	25	35
South on US 69	5	5	5	10
North on Metcalf Avenue	11	10	10	10
South on Metcalf Avenue	5	2	2	2
North on Nall Avenue	5	5	5	5
South on Nall Avenue	1	5	5	5
West on 151st Street	5	5	5	5
East on 151st Street	5	5	5	5
West on 159th Street	15	5	15	5
East on 159th Street	10	5	10	5
West on 167th Street	1	1	1	1
East on 167th Street	1	1	1	1
Total	100%	100%	100%	100%