

TABLE 4
Cedar Hills Wal-Mart Development
Test Trip Generation (Average Rate)

Land Use ¹	Number of Units	Unit Type	Daily Trip Generation ²	% Internal Capture ³	% Passby ⁶	% Entering ⁵	% Exiting ⁵	Trips Entering	Trips Exiting	New Daily Trips
Free-Standing Disc. Store (813)	123,500	Square Feet	6,077	14%	10%	50%	50%	2,352	2,352	4,704
Shopping Center (820)	18,500	Square Feet	2,303	14%	10%	50%	50%	891	891	1,782
Office (710)	15,600	Square Feet	319	14%	0%	50%	50%	137	137	274
			8,700					3,380	3,380	6,760
Land Use ¹	Number of Units	Unit Type	AM Peak Hour Trip Generation ²	% Internal Capture ³	% Passby ⁶	% Entering ⁵	% Exiting ⁵	Trips Entering	Trips Exiting	New AM Peak Hour Trips
Free-Standing Disc. Store (813)	123,500	Square Feet	227	14%	10%	51%	49%	90	86	176
Shopping Center (820)	18,500	Square Feet	57	14%	10%	61%	39%	27	17	44
Office (710)	15,600	Square Feet	42	14%	0%	88%	12%	32	4	36
			327					149	107	256
Land Use ¹	Number of Units	Unit Type	PM Peak Hour Trip Generation ²	% Internal Capture ³	% Passby ⁶	% Entering ⁵	% Exiting ⁵	Trips Entering	Trips Exiting	New PM Peak Hour Trips
Free-Standing Disc. Store (813)	123,500	Square Feet	478	14%	15%	49%	51%	171	178	349
Shopping Center (820)	18,500	Square Feet	206	14%	15%	48%	52%	72	78	150
Office (710)	15,600	Square Feet	96	14%	0%	17%	83%	14	69	83
			780					257	325	582
Land Use ¹	Number of Units	Unit Type	Saturday Daily Trip Generation ²	% Internal Capture ³	% Passby ⁶	% Entering ⁵	% Exiting ⁵	Trips Entering	Trips Exiting	New Saturday Daily Trips
Free-Standing Disc. Store (813)	123,500	Square Feet	7,101	14%	10%	50%	50%	2,748	2,748	5,496
Shopping Center (820)	18,500	Square Feet	3,170	14%	10%	50%	50%	1,227	1,227	2,454
Office (710)	15,600	Square Feet	37	14%	0%	50%	50%	16	16	32
			10,308					3,991	3,991	7,982
Land Use ¹	Number of Units	Unit Type	Saturday Peak Trip Generation ²	% Internal Capture ³	% Passby ⁶	% Entering ⁵	% Exiting ⁵	Trips Entering	Trips Exiting	New Sat. Peak Hour Trips
Free-Standing Disc. Store (813)	123,500	Square Feet	619	14%	20%	51%	49%	217	209	426
Shopping Center (820)	18,500	Square Feet	291	14%	20%	52%	48%	104	96	200
Office (710)	15,600	Square Feet	6	14%	0%	54%	46%	3	3	6
			916					324	308	632

1. Land Use Code from the Institute of Transportation Engineers - 7th Edition Trip Generation Manual (ITE Manual)

2. Traffic Generated by the development according to trip generation rates provided in the ITE Manual

3. Percentage of the development traffic that is "captured" from one trip visiting several pads within the development. Percentage based on Trip Generation Handbook, 2004.

Technical calculations can be found in appendix.

4. Percentage of trips Entering and Exiting the development according to the ITE Manual.

5. The Trip Generation Handbook, 2004 was used to estimate these values. Conservative estimates were used where values were not available in the Trip Generation Handbook.

SOURCE: Fehr & Peers, January 2007

TABLE 4a
Cedar Hills Wal-Mart Development
Test Trip Generation

Land Use ¹	Number of Units	Unit Type	Daily Trip Generation ²	% Internal Capture ³	% Passby ²	% Entering ⁴	% Exiting ⁴	Trips Entering	Trips Exiting	New Daily Trips
Supermarket (850)	93,000	Square Feet	7,618	14%	10%	50%	50%	2,948	2,948	5,896
Shopping Center (820)	41,000	Square Feet	3,804	14%	10%	50%	50%	1,472	1,472	2,944
			11,422					4,420	4,420	8,840
Land Use ¹	Number of Units	Unit Type	AM Peak Hour Trip Generation ²	% Internal Capture ³	% Passby ²	% Entering ⁴	% Exiting ⁴	Trips Entering	Trips Exiting	New AM Peak Hour Trips
Supermarket (850)	93,000	Square Feet	537	14%	10%	61%	39%	253	162	415
Shopping Center (820)	41,000	Square Feet	92	14%	10%	61%	39%	43	28	71
			628					296	190	486
Land Use ¹	Number of Units	Unit Type	PM Peak Hour Trip Generation ²	% Internal Capture ³	% Passby ²	% Entering ⁴	% Exiting ⁴	Trips Entering	Trips Exiting	New PM Peak Hour Trips
Supermarket (850)	93,000	Square Feet	881	14%	15%	51%	49%	328	315	643
Shopping Center (820)	41,000	Square Feet	348	14%	15%	48%	52%	122	132	254
			1,228					450	447	897
Land Use ¹	Number of Units	Unit Type	Saturday Daily Trip Generation ²	% Internal Capture ³	% Passby ²	% Entering ⁴	% Exiting ⁴	Trips Entering	Trips Exiting	New Saturday Daily Trips
Supermarket (850)	93,000	Square Feet	16,516	14%	10%	50%	50%	6,392	6,392	12,784
Shopping Center (820)	41,000	Square Feet	5,269	14%	10%	50%	50%	2,039	2,039	4,078
			21,785					8,431	8,431	16,862
Land Use ¹	Number of Units	Unit Type	Saturday Peak Trip Generation ²	% Internal Capture ³	% Passby ²	% Entering ⁴	% Exiting ⁴	Trips Entering	Trips Exiting	New Sat. Peak Hour Trips
Supermarket (850)	93,000	Square Feet	920	14%	20%	51%	49%	323	310	633
Shopping Center (820)	41,000	Square Feet	485	14%	20%	52%	48%	173	160	333
			1,405					496	470	966

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2. Traffic Generated by the development according to trip generation rates provided in the ITE Manual

3. Percentage of the development traffic that is "captured" from one trip visiting several pads within the development. Percentage based on Trip Generation Handbook, 2004.

4. Percentage of trips Entering and Exiting the development according to the ITE Manual.

5. The Trip Generation Handbook, 2004 was used to estimate these values. Conservative estimates were used where values were not available in the Trip Generation Handbook.

TABLE 4b
Cedar Hills Wal-Mart Development
Test Trip Generation

Land Use ¹	Number of Units	Unit Type	Daily Trip Generation ²	% Internal Capture ³	% Passby ²	% Entering ⁴	% Exiting ⁴	Trips Entering	Trips Exiting	New Daily Trips
Supermarket (850)	50,000	Square Feet	4,739	14%	10%	50%	50%	1,834	1,834	3,668
Electronic Superstore (863)	50,000	Square Feet	2,252	14%	10%	50%	50%	872	872	1,744
Hardware Store (816)	50,000	Square Feet	2,661	14%	10%	50%	50%	1,030	1,030	2,060
Drive-in Bank (912)	10,000	Square Feet	922	14%	10%	50%	50%	357	357	714
Fast Food w/ Drive-Through Window (934)	5,000	Square Feet	2,481	14%	10%	50%	50%	960	960	1,920
			13,054					5,053	5,053	10,106
Land Use ¹	Number of Units	Unit Type	AM Peak Hour Trip Generation ²	% Internal Capture ³	% Passby ²	% Entering ⁴	% Exiting ⁴	Trips Entering	Trips Exiting	New AM Peak Hour Trips
Supermarket (850)	50,000	Square Feet	187	14%	10%	61%	39%	88	56	144
Electronic Superstore (863)	50,000	Square Feet	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hardware Store (816)	50,000	Square Feet	57	14%	10%	54%	46%	24	20	44
Drive-in Bank (912)	10,000	Square Feet	29	14%	10%	57%	43%	13	9	22
Fast Food w/ Drive-Through Window (934)	5,000	Square Feet	266	14%	10%	51%	49%	105	101	206
			537					230	186	416
Land Use ¹	Number of Units	Unit Type	PM Peak Hour Trip Generation ²	% Internal Capture ³	% Passby ²	% Entering ⁴	% Exiting ⁴	Trips Entering	Trips Exiting	New PM Peak Hour Trips
Supermarket (850)	50,000	Square Feet	539	14%	15%	51%	49%	201	193	394
Electronic Superstore (863)	50,000	Square Feet	225	14%	15%	49%	51%	81	84	165
Hardware Store (816)	50,000	Square Feet	253	14%	15%	47%	53%	87	98	185
Drive-in Bank (912)	10,000	Square Feet	87	14%	15%	48%	52%	30	33	63
Fast Food w/ Drive-Through Window (934)	5,000	Square Feet	173	14%	15%	52%	48%	66	61	127
			1,277					465	469	934
Land Use ¹	Number of Units	Unit Type	Saturday Daily Trip Generation ²	% Internal Capture ³	% Passby ²	% Entering ⁴	% Exiting ⁴	Trips Entering	Trips Exiting	New Saturday Daily Trips
Supermarket (850)	50,000	Square Feet	8,880	14%	10%	50%	50%	3,436	3,436	6,872
Electronic Superstore (863)	50,000	Square Feet	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hardware Store (816)	50,000	Square Feet	4,281	14%	10%	50%	50%	1,657	1,657	3,314
Drive-in Bank (912)	10,000	Square Feet	180	14%	10%	50%	50%	70	70	140
Fast Food w/ Drive-Through Window (934)	5,000	Square Feet	3,610	14%	10%	50%	50%	1,397	1,397	2,794
			16,950					6,560	6,560	13,120
Land Use ¹	Number of Units	Unit Type	Saturday Peak Trip Generation ²	% Internal Capture ³	% Passby ²	% Entering ⁴	% Exiting ⁴	Trips Entering	Trips Exiting	New Sat. Peak Hour Trips
Supermarket (850)	50,000	Square Feet	581	14%	20%	51%	49%	204	196	400
Electronic Superstore (863)	50,000	Square Feet	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hardware Store (816)	50,000	Square Feet	580	14%	20%	53%	47%	211	188	399
Drive-in Bank (912)	10,000	Square Feet	85	14%	20%	51%	49%	30	29	59
Fast Food w/ Drive-Through Window (934)	5,000	Square Feet	296	14%	20%	51%	49%	104	100	204
			1,542					549	513	1,062

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