

APPENDIX A

Detailed Trip Generation

**Table A-1
Mall of America Phase II Traffic Study
Adjacent Land Use Trip Generation**

Adjacent Land Use Developed by Year 2012		Land Use Type	Land Use Size	Daily Trips	Weekday		P.M. Peak		Daily Trips	Saturday	
TAZ	Location				A.M. Peak In	A.M. Peak Out	In	Out		In	Out
471 C	SE Quad of Old Shakopee/24th Ave	Office	150,434 ksf	1,827	229	31	42	205	96	7	6
471 D	South of Old Shakopee just West of Ceridian	Office	388.65 ksf	3,794	489	67	87	427	206	18	16
472 A	RPZ	Office	79.2 ksf	1,115	137	19	28	139	64	4	3
472 D	Bloomington Central Station (1)	Health Partners Expansion	145 ksf	1,687	211	29	39	190	312	25	22
	Bloomington Central Station (1)	2 residential towers	275 units	1,756	27	107	105	57	1,669	82	54
	Bloomington Central Station (1)	11 residential towers	828 units	5,286	80	321	317	171	5,026	245	164
		Retail - assume 1 restaurant	8.3 ksf	528	25	23	28	18	1,314	52	31
		Retail - assume mix	814	399	6	4	11	14	378	10	13
		Retail - assume mix	814	390	6	4	10	13	370	9	12
	Bloomington Central Station (1)	14-story office tower	544.55 ksf	4,674	608	83	111	543	1,125	75	64
		Flex retail	27.7 ksf	1,228	18	11	33	42	1,165	31	40
	Bloomington Central Station (1)	Hotel	200 rooms	1,552	65	41	59	53	1,556	77	60
		Restaurants	5 ksf	318	15	14	17	11	792	33	18
		Retail	1 ksf	44	1	0	1	2	42	1	2
	Bloomington Central Station (1)	9-story office bldg	245.1 ksf	2,528	321	44	57	279	516	42	35
	Bloomington Central Station (1)	Transit-oriented retail	150 ksf	6,648	97	60	179	228	6,306	170	216
	MAC Terminal Expansion (2)	Airport	6000 stalls	12,500	--	--	145	1,000	9,000	145	315
Total				46,274	2,335	858	1,270	3,392	29,937	1,027	1,071

(1) Retail land uses assume a 50% multi-use reduction, Office, residential, and hotel land uses assume a 5% LRT reduction.
 (2) Trip Generation based on data from "2015 Terminal Expansion Project, Minneapolis-St Paul International Airport" (July 2005).

Existing Land Use Replaced by Year 2012		Land Use Type	Land Use Size	Daily Trips	Weekday		P.M. Peak		Daily Trips	Saturday	
TAZ	Location				A.M. Peak In	A.M. Peak Out	In	Out		In	Out
471 C	SE Quad of Old Shakopee/24th Ave	Apartments	92 units	703	10	39	44	24	466	31	26
471 D	South of Old Shakopee just West of Ceridian	Single Family Housing	23 units	269	6	19	18	11	264	17	14
472 D	Bloomington Central Station	Office (Dynamics)	259,122 ksf	2,777	354	48	63	306	146	12	11
Total				3,749	370	106	125	341	877	60	51

GRAND TOTAL				42,525	1,965	751	1,145	3,051	29,060	966	1,020
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**Table A-2
Mall of America Phase II Traffic Study
Land Use Trip Generation, Year 2012**

TAZ	Location	Land Use	Land Use Type	Size	Daily			Weekday		Saturday		
					Trips	A.M. Peak In	A.M. Peak Out	P.M. Peak In	P.M. Peak Out	Daily Trips	In	Out
473 B	MOA Phase II (Met Center Site)	Retail/Mixed Use ⁽¹⁾	820	1457,691 ksf	15,597	273	66	866	975	21,134	1,138	1,283
		Bass Pro Shops ⁽²⁾	820	300 ksf	6,400	111	26	301	339	10,600	598	674
		Performing Arts Center ⁽³⁾	--	6000 seats	2,560	0	0	0	0	4,240	0	0
		Hotel ⁽⁴⁾	310	1325 units	5,413	226	145	207	184	5,426	267	210
		Office ⁽⁵⁾	710	615 ksf	6,094	755	103	140	685	1,312	123	104
		Residential Condos ⁽⁵⁾	230	300 units	1,582	20	99	95	46	1,531	68	59
		Total			37,646	1,385	439	1,609	2,229	44,243	2,194	2,330

⁽¹⁾ Trip generation rates were based on existing MOA traffic counts.

⁽²⁾ Trip generation rates were based on Bass Pro Shops trip generation information. A 47 percent multi-use reduction was assumed for Saturday trips and a 36 percent multi-use reduction was assumed for weekday trips.

⁽³⁾ The performing arts center is assumed to have a restricted schedule, only generating trips during off-peak hours.

⁽⁴⁾ A 50 percent multi-use reduction was assumed for hotel land use.

⁽⁵⁾ A 10 percent multi-use reduction was assumed for office and residential land use.

**Table A-3
Mall of America Phase II Traffic Study
Adjacent Land Use Trip Generation**

TAZ	Location	Land Use	Land Use Type	Size	Daily Trips	Weekday				Saturday		
						A.M. Peak In	A.M. Peak Out	P.M. Peak In	P.M. Peak Out	Daily Trips	P.M. Peak In	P.M. Peak Out
471 B	SE Quad of Old Shakopee/86th St	Light Industrial	110	147,541 ksf	1,000	75	10	6	42	288	10	11
471 C	SE Quad of Old Shakopee/24th Ave	Office	710	150,434 ksf	1,827	229	31	42	205	96	7	6
		Office	710	935,669 ksf	7,463	987	135	192	935	458	44	38
471 D	South of Old Shakopee just West of Centidan	Office	710	388.65 ksf	3,794	489	67	87	427	206	18	16
471 E	SE Quad of American Blvd/34th Ave	Condos	230	74 units	497	7	34	31	15	696	35	29
		Condos	230	115 units	723	10	48	45	22	844	41	35
471 F	NE Quad of American Blvd/34th Ave	Apartments	220	115 units	842	12	48	53	28	647	33	33
		Apartments	220	364 units	2,338	36	146	142	76	2,601	84	84
		Office	710	419.3 ksf	4,023	520	71	93	455	220	20	17
472 A	RPZ	Office	710	79.2 ksf	1,115	137	19	28	139	64	4	3
472 B	East of RPZ just North of American Blvd	Office	710	503,884 ksf	4,634	602	82	109	534	259	24	20
472 C	NW Quad of American Blvd/34th Ave	Office	710	410,844 ksf	3,960	511	70	92	447	216	20	17
		Retail (1)	814	20 ksf	443	13	8	24	30	420	21	27
472 D	Bloomington Central Station (1)	Apartments	220	375 units	2,404	37	150	146	78	2,688	86	86
		Health Partners Expansion	710	145 ksf	1,687	211	29	39	190	312	25	22
Bloomington Central Station (1)	Bloomington Central Station (1)	2 residential towers	220	275 units	1,756	27	107	105	57	1,669	82	54
		11 residential towers	220	828 units	5,286	80	321	317	171	5,026	245	164
Bloomington Central Station (1)	Bloomington Central Station (1)	Retail - assume 1 restaurant	932	8.3 ksf	528	25	23	28	18	1,314	52	31
		Retail - assume mix	814	9 ksf	399	6	4	11	14	378	10	13
		Retail - assume mix	814	8.8 ksf	390	6	4	10	13	370	9	12
Bloomington Central Station (1)	Bloomington Central Station (1)	14-story office tower	710	544.55 ksf	4,674	608	83	111	543	1,125	75	64
		Flex retail	814	27.7 ksf	1,228	18	11	33	42	1,165	31	40
Bloomington Central Station (1)	Bloomington Central Station (1)	Hotel	310	200 rooms	1,552	65	41	59	53	1,556	77	60
		Restaurants	932	5 ksf	318	15	14	17	11	792	33	18
		Retail	814	1 ksf	44	1	0	1	2	42	1	2
Bloomington Central Station (1)	Bloomington Central Station (1)	Office (4 bldgs)	710	546.3 ksf	4,685	610	83	112	545	1,128	75	64
		Flex Retail	814	4.7 ksf	208	3	2	6	7	198	6	7
Bloomington Central Station (1)	Bloomington Central Station (1)	Office	710	489.4 ksf	4,305	559	76	101	494	1,012	72	62
		Flex Retail	814	10.6 ksf	470	7	4	13	16	446	12	15
Bloomington Central Station (1)	Bloomington Central Station (1)	9-story office bldg	710	245.1 ksf	2,528	321	44	57	279	516	42	35
Bloomington Central Station (1)	Bloomington Central Station (1)	Transit-oriented retail	814	150 ksf	6,648	97	60	179	228	6,306	170	216
		LRT Park-and-Ride (2)	093	1048 spaces	2,630	317	39	82	400	658	49	56
472 F	Adjoining Lands (3)	Office	710	546,941 ksf	4,689	611	83	112	545	265	25	21
		Retail	820	273,471 ksf	12,407	166	106	555	601	16,544	822	765

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Adjacent Land Use Trip Generation**

TAZ	Location	Land Use	Land Use Type	Size	Daily Trips	Weekday				Saturday		
						A.M. Peak In	A.M. Peak Out	P.M. Peak In	P.M. Peak Out	Daily Trips	P.M. Peak In	P.M. Peak Out
472 G	Area just north of Adjoining Lands	Office	710	842,061 ksf	6,882	908	124	174	848	415	40	34
473 A	Area just north of MOA Phase II	Hotel	310	550 rooms	4,549	206	132	172	153	4,996	215	169
		Hotel	310	550 rooms	4,549	206	132	172	153	4,996	215	169
473 C	Area just south of MOA	Hotel	310	430 rooms	3,475	152	97	134	119	3,842	169	132
	MAC Terminal Expansion ⁽⁴⁾	Airport	--	6000 stalls	12,500	--	--	145	1,000	9,000	145	315
Total					123,451	8,890	2,537	3,834	9,937	73,774	3,144	2,963

⁽¹⁾ Retail land uses assume a 50% multi-use reduction, Office, residential, and hotel land uses assume a 5% LRT reduction.
⁽²⁾ Peak hour trip generation rates are based on existing park-and-ride traffic counts. 1048 additional parking stalls are assumed, a total of 1575.
⁽³⁾ Retail and Office land uses assume a 5% multi-use reduction.
⁽⁴⁾ Trip Generation based on data from "2015 Terminal Expansion Project Minneapolis-St Paul International Airport" (July 2005).

TAZ	Location	Land Use	Land Use Type	Size	Daily Trips	Weekday				Saturday		
						A.M. Peak In	A.M. Peak Out	P.M. Peak In	P.M. Peak Out	Daily Trips	P.M. Peak In	P.M. Peak Out
471 C	SE Quad of Old Shakopee/24th Ave	Apartments	220	92 units	703	10	39	44	24	466	31	26
471 D	South of Old Shakopee just West of Ceridian	Single Family Housing	210	23 units	269	6	19	18	11	264	17	14
472 B	East of RPZ just North of American Blvd ⁽³⁾	Office	710	465.85 ksf	4,362	708	99	102	509	241	22	19
472 C	NW Quad of American Blvd/34th Ave ⁽³⁾	Airport Park n Go	??	1336 spaces	668					668	25	25
472 D	Bloomington Central Station ⁽³⁾	Industrial (Dynamics)	110	259,122 ksf	1,834	151	9	14	138	383	17	19
472 G	Area just north of Adjoining Lands	Office	710	511,111 ksf	4,685	609	83	111	541	262	24	21
473 A	Area just north of MOA Phase II	Hotel	310	478 rooms	3,905	173	111	149	133	4,304	187	147
		Hotel	310	263 rooms	1,981	83	53	82	73	2,236	104	82
473 C	Area just south of MOA	Hotel	310	207 rooms	1,479	61	39	65	57	1,697	82	65
Total					19,887	1,802	452	586	1,485	10,522	510	418

⁽³⁾ Weekday a.m. and p.m. peak hour trip generation rates are based on existing traffic counts and observations.

GRAND TOTAL					103,565	7,088	2,085	3,248	8,452	63,252	2,634	2,545
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