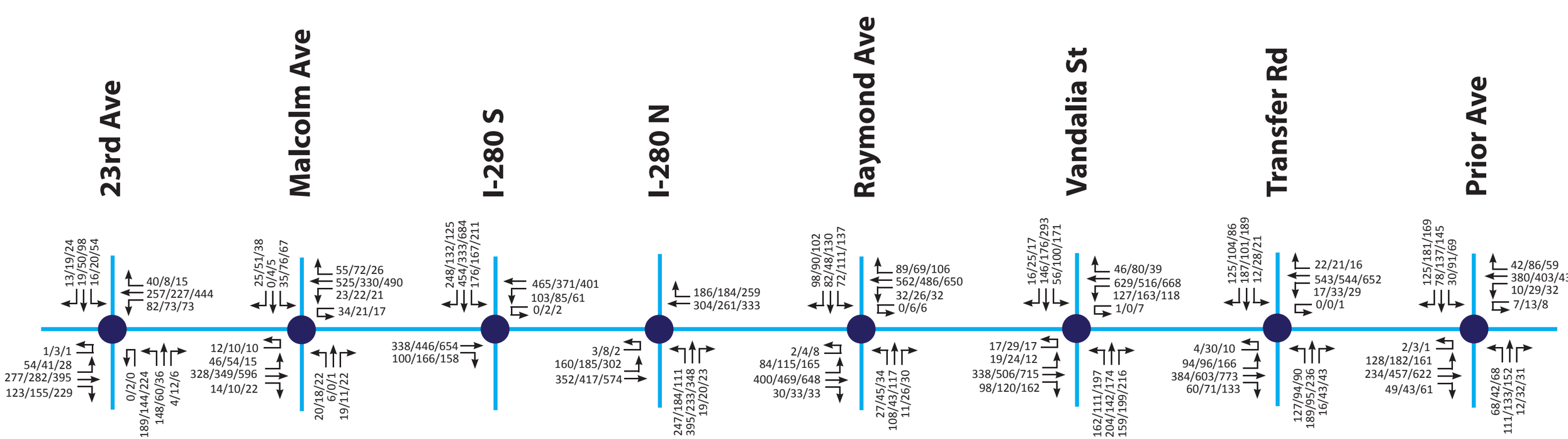
Appendix A

2014 Traffic Volume Data Collection

2014 Traffic Volume Map

University Avenue 2014 Existing Traffic Volumes

North



ToolDesignGroup

*Not to scale

xx/xx/xx = AM/Mid-day/PM peak hour volumes

= Study Intersection

University Avenue 2014 Existing Traffic Volumes

North

Fairview Ave

57/75/77
211/171/418
34/152/103

58/84/51
300/340/375
42/81/91
7/35/19

3/8/1
72/111/83
180/415/500
26/76/116

108/106/110
339/224/338
41/57/64

Snelling Ave

55/81/57
802/636/842
89/129/131
0/1/0

0/3/0
29/101/119
145/343/435
35/109/78

Hamline Ave

65/98/128
228/283/312
89/126/96
0/3/8

1/0/0
118/167/88
744/761/1006
54/97/119

Lexington Pkwy

11/14/26
322/218/439
34/34/27

2/7/9
16/54/95
258/540/569
32/128/116

17/15/16
275/363/380
73/152/170
6/6/5

87/102/121
388/257/569
55/72/99

55/61/64
1054/565/967
44/56/45
0/0/1

5/16/7
53/138/180
201/476/599
56/160/135

32/44/55
243/350/400
136/116/146
5/8/12

0/4/4
102/120/115
837/576/1121
55/90/109

Dale St

90/64/62
629/422/594
68/62/85

4/7/3
46/119/141
210/390/583
32/82/101

32/42/79
322/367/515
93/160/161
3/10/9

2/18/14
80/119/136
633/509/937
78/174/159

Marion St

75/90/113
544/399/461
14/30/46
0/0/1

7/39/20
29/92/132
232/285/490
110/169/174

25/9/21
275/304/377
56/71/84
2/1/0

0/0/4
71/134/151
355/376/601
217/146/208

Rice St

58/93/92
643/432/469
154/110/149

107/151/205
340/288/478
20/41/38

138/196/274
281/224/322
57/52/75

32/32/52
246/228/527
18/21/41

TooleDesignGroup

*Not to scale

xx/xx/xx = AM/Mid-day/PM peak hour volumes

= Study Intersection

LOCATION: University Ave
SPECIFIC LOCATION: 200 ft from Hampden Ave
CITY/STATE: St. Paul, MN

QC JOB #: 12786846
DIRECTION: EB/WB
DATE: Oct 07 2014 - Oct 08 2014

Start Time	Mon	Tue 07-Oct-14	Wed 08-Oct-14	Thu	Fri	Average Weekday Hourly Traffic	Sat	Sun	Average Week Hourly Traffic	Average Week Profile
12:00 AM		46	54			50			50	
12:15 AM		18	24			21			21	
12:30 AM		31	34			33			33	
12:45 AM		20	19			20			20	
1:00 AM		20	15			18			18	
1:15 AM		12	18			15			15	
1:30 AM		19	16			18			18	
1:45 AM		18	16			17			17	
2:00 AM		17	13			15			15	
2:15 AM		10	18			14			14	
2:30 AM		7	13			10			10	
2:45 AM		12	6			9			9	
3:00 AM		13	9			11			11	
3:15 AM		6	10			8			8	
3:30 AM		18	12			15			15	
3:45 AM		10	13			12			12	
4:00 AM		21	17			19			19	
4:15 AM		15	24			20			20	
4:30 AM		27	23			25			25	
4:45 AM		22	25			24			24	
5:00 AM		34	39			37			37	
5:15 AM		53	58			56			56	
5:30 AM		81	72			77			77	
5:45 AM		76	95			86			86	
Day Total										
% Weekday Average										
% Week Average										
AM Peak Volume										
PM Peak Volume										

Comments:

Quality Counts
TRANSPORTATION DATA COLLECTION

LOCATION: University Ave
SPECIFIC LOCATION: 200 ft from Hampden Ave
CITY/STATE: St. Paul, MN

QC JOB #: 12786846
DIRECTION: EB/WB
DATE: Oct 07 2014 - Oct 08 2014

Start Time	Mon	Tue 07-Oct-14	Wed 08-Oct-14	Thu	Fri	Average Weekday Hourly Traffic	Sat	Sun	Average Week Hourly Traffic	Average Week Profile
6:00 AM		105	96			101			101	
6:15 AM		116	118			117			117	
6:30 AM		181	201			191			191	
6:45 AM		186	191			189			189	
7:00 AM		226	224			225			225	
7:15 AM		223	232			228			228	
7:30 AM		261	314			288			288	
7:45 AM		294	322			308			308	
8:00 AM		296	325			311			311	
8:15 AM		285	349			317			317	
8:30 AM		297	332			315			315	
8:45 AM		286	302			294			294	
9:00 AM		263	332			298			298	
9:15 AM		233	341			287			287	
9:30 AM		277	284			281			281	
9:45 AM		267	296			282			282	
10:00 AM		241	259			250			250	
10:15 AM		232	252			242			242	
10:30 AM		259	257			258			258	
10:45 AM		211	305			258			258	
11:00 AM		281	267			274			274	
11:15 AM		252	309			281			281	
11:30 AM		**307**	316			312			312	
11:45 AM		289	**352**			**321**			**321**	
Day Total										
% Weekday Average										
% Week Average										
AM Peak Volume										
PM Peak Volume										

Comments:

Quality Counts
TRANSPORTATION DATA COLLECTION

LOCATION: University Ave
SPECIFIC LOCATION: 200 ft from Hampden Ave
CITY/STATE: St. Paul, MN

QC JOB #: 12786846
DIRECTION: EB/WB
DATE: Oct 07 2014 - Oct 08 2014

Start Time	Mon	Tue 07-Oct-14	Wed 08-Oct-14	Thu	Fri	Average Weekday Hourly Traffic	Sat	Sun	Average Week Hourly Traffic	Average Week Profile
12:00 PM		299	351			325			325	
12:15 PM		306	348			327			327	
12:30 PM		302	339			321			321	
12:45 PM		309	313			311			311	
1:00 PM		288	340			314			314	
1:15 PM		286	324			305			305	
1:30 PM		294	312			303			303	
1:45 PM		300	280			290			290	
2:00 PM		308	328			318			318	
2:15 PM		309	313			311			311	
2:30 PM		273	297			285			285	
2:45 PM		310	332			321			321	
3:00 PM		285	335			310			310	
3:15 PM		297	356			327			327	
3:30 PM		314	380			347			347	
3:45 PM		375	358			367			367	
4:00 PM		321	372			347			347	
4:15 PM		364	**425**			395			395	
4:30 PM		385	411			398			398	
4:45 PM		365	355			360			360	
5:00 PM		401	361			381			381	
5:15 PM		**404**	410			**407**			**407**	
5:30 PM		348	350			349			349	
5:45 PM		350	401			376			376	
Day Total										
% Weekday Average										
% Week Average										
AM Peak Volume										
PM Peak Volume										

Comments:

Quality Counts
TRANSPORTATION DATA COLLECTION

LOCATION: University Ave
SPECIFIC LOCATION: 200 ft from Hampden Ave
CITY/STATE: St. Paul, MN

QC JOB #: 12786846
DIRECTION: EB/WB
DATE: Oct 07 2014 - Oct 08 2014

Start Time	Mon	Tue 07-Oct-14	Wed 08-Oct-14	Thu	Fri	Average Weekday Hourly Traffic	Sat	Sun	Average Week Hourly Traffic	Average Week Profile
6:00 PM		268	377			323			323	
6:15 PM		238	312			275			275	
6:30 PM		240	295			268			268	
6:45 PM		196	243			220			220	
7:00 PM		191	216			204			204	
7:15 PM		155	180			168			168	
7:30 PM		181	164			173			173	
7:45 PM		132	169			151			151	
8:00 PM		145	162			154			154	
8:15 PM		140	141			141			141	
8:30 PM		140	126			133			133	
8:45 PM		137	144			141			141	
9:00 PM		134	143			139			139	
9:15 PM		122	139			131			131	
9:30 PM		117	106			112			112	
9:45 PM		87	116			102			102	
10:00 PM		88	78			83			83	
10:15 PM		73	52			63			63	
10:30 PM		63	77			70			70	
10:45 PM		57	63			60			60	
11:00 PM		32	51			42			42	
11:15 PM		43	46			45			45	
11:30 PM		42	46			44			44	
11:45 PM		43	43			43			43	
Day Total		17331	19099			18238			18238	
% Weekday Average		95.0%	104.7%							
% Week Average		95.0%	104.7%			100.0%				
AM Peak Volume		11:30 AM 307	11:45 AM 352			11:45 AM 321			11:45 AM 321	
PM Peak Volume		5:15 PM 404	4:15 PM 425			5:15 PM 407			5:15 PM 407	

Comments:

SOURCE: Quality Counts, LLC (http://www.qualitycounts.net)

LOCATION: University Ave
SPECIFIC LOCATION: 200 ft from Syndicate St
CITY/STATE: St. Paul, MN

QC JOB #: 12786847
DIRECTION: EB/WB
DATE: Oct 07 2014 - Oct 08 2014

Start Time	Mon	Tue 07-Oct-14	Wed 08-Oct-14	Thu	Fri	Average Weekday Hourly Traffic	Sat	Sun	Average Week Hourly Traffic	Average Week Profile
12:00 AM		44	37			41			41	
12:15 AM		22	29			26			26	
12:30 AM		35	23			29			29	
12:45 AM		31	31			31			31	
1:00 AM		31	25			28			28	
1:15 AM		20	20			20			20	
1:30 AM		15	15			15			15	
1:45 AM		7	19			13			13	
2:00 AM		16	24			20			20	
2:15 AM		18	16			17			17	
2:30 AM		16	9			13			13	
2:45 AM		15	8			12			12	
3:00 AM		9	7			8			8	
3:15 AM		8	5			7			7	
3:30 AM		5	12			9			9	
3:45 AM		6	14			10			10	
4:00 AM		8	12			10			10	
4:15 AM		17	12			15			15	
4:30 AM		16	13			15			15	
4:45 AM		13	11			12			12	
5:00 AM		18	20			19			19	
5:15 AM		16	26			21			21	
5:30 AM		24	31			28			28	
5:45 AM		29	27			28			28	
Day Total										
% Weekday Average										
% Week Average										
AM Peak Volume										
PM Peak Volume										

Comments:

Quality Counts
TRANSPORTATION DATA COLLECTION

LOCATION: University Ave
SPECIFIC LOCATION: 200 ft from Syndicate St
CITY/STATE: St. Paul, MN

QC JOB #: 12786847
DIRECTION: EB/WB
DATE: Oct 07 2014 - Oct 08 2014

Start Time	Mon	Tue 07-Oct-14	Wed 08-Oct-14	Thu	Fri	Average Weekday Hourly Traffic	Sat	Sun	Average Week Hourly Traffic	Average Week Profile
6:00 AM		51	43			47			47	
6:15 AM		54	58			56			56	
6:30 AM		70	57			64			64	
6:45 AM		65	72			69			69	
7:00 AM		102	89			96			96	
7:15 AM		115	124			120			120	
7:30 AM		171	138			155			155	
7:45 AM		156	159			158			158	
8:00 AM		164	171			168			168	
8:15 AM		193	195			194			194	
8:30 AM		176	186			181			181	
8:45 AM		182	183			183			183	
9:00 AM		215	189			202			202	
9:15 AM		199	213			206			206	
9:30 AM		197	172			185			185	
9:45 AM		234	185			210			210	
10:00 AM		210	219			215			215	
10:15 AM		251	210			231			231	
10:30 AM		214	201			208			208	
10:45 AM		256	209			233			233	
11:00 AM		277	225			251			251	
11:15 AM		**301**	228			265			265	
11:30 AM		276	265			271			271	
11:45 AM		299	**272**			**286**			**286**	
Day Total										
% Weekday Average										
% Week Average										
AM Peak Volume										
PM Peak Volume										

Comments:

Quality Counts
TRANSPORTATION DATA COLLECTION

LOCATION: University Ave
SPECIFIC LOCATION: 200 ft from Syndicate St
CITY/STATE: St. Paul, MN

QC JOB #: 12786847
DIRECTION: EB/WB
DATE: Oct 07 2014 - Oct 08 2014

Start Time	Mon	Tue 07-Oct-14	Wed 08-Oct-14	Thu	Fri	Average Weekday Hourly Traffic	Sat	Sun	Average Week Hourly Traffic	Average Week Profile
12:00 PM		301	291			296			296	
12:15 PM		313	279			296			296	
12:30 PM		**328**	285			307			307	
12:45 PM		316	287			302			302	
1:00 PM		292	293			293			293	
1:15 PM		317	269			293			293	
1:30 PM		304	262			283			283	
1:45 PM		326	243			285			285	
2:00 PM		263	252			258			258	
2:15 PM		263	233			248			248	
2:30 PM		319	300			310			310	
2:45 PM		284	303			294			294	
3:00 PM		250	300			275			275	
3:15 PM		244	313			279			279	
3:30 PM		265	326			296			296	
3:45 PM		268	329			299			299	
4:00 PM		293	315			304			304	
4:15 PM		284	361			323			323	
4:30 PM		302	338			320			320	
4:45 PM		289	342			316			316	
5:00 PM		320	356			**338**			**338**	
5:15 PM		270	**377**			324			324	
5:30 PM		257	347			302			302	
5:45 PM		287	316			302			302	
Day Total										
% Weekday Average										
% Week Average										
AM Peak Volume										
PM Peak Volume										

Comments:

Quality Counts
TRANSPORTATION DATA COLLECTION

LOCATION: University Ave
SPECIFIC LOCATION: 200 ft from Syndicate St
CITY/STATE: St. Paul, MN

QC JOB #: 12786847
DIRECTION: EB/WB
DATE: Oct 07 2014 - Oct 08 2014

Start Time	Mon	Tue 07-Oct-14	Wed 08-Oct-14	Thu	Fri	Average Weekday Hourly Traffic	Sat	Sun	Average Week Hourly Traffic	Average Week Profile
6:00 PM		256	316			286			286	
6:15 PM		265	279			272			272	
6:30 PM		221	289			255			255	
6:45 PM		239	264			252			252	
7:00 PM		205	262			234			234	
7:15 PM		214	251			233			233	
7:30 PM		209	221			215			215	
7:45 PM		187	218			203			203	
8:00 PM		202	189			196			196	
8:15 PM		153	159			156			156	
8:30 PM		146	170			158			158	
8:45 PM		146	145			146			146	
9:00 PM		139	149			144			144	
9:15 PM		113	129			121			121	
9:30 PM		116	120			118			118	
9:45 PM		94	108			101			101	
10:00 PM		103	98			101			101	
10:15 PM		72	85			79			79	
10:30 PM		59	77			68			68	
10:45 PM		58	55			57			57	
11:00 PM		39	42			41			41	
11:15 PM		56	59			58			58	
11:30 PM		40	56			48			48	
11:45 PM		31	44			38			38	
Day Total		15185	15611			15424			15424	
% Weekday Average		98.5%	101.2%							
% Week Average		98.5%	101.2%			100.0%				
AM Peak		11:15 AM	11:45 AM			11:45 AM			11:45 AM	
Volume		301	272			286			286	
PM Peak		12:30 PM	5:15 PM			5:00 PM			5:00 PM	
Volume		328	377			338			338	

Comments:

Quality Counts
TRANSPORTATION DATA COLLECTION

LOCATION: University Ave
QC JOB #: 12786848
SPECIFIC LOCATION: 200 ft from Mackubin St
DIRECTION: EB/WB
CITY/STATE: St. Paul, MN
DATE: Oct 07 2014 - Oct 08 2014

Start Time	Mon	Tue 07-Oct-14	Wed 08-Oct-14	Thu	Fri	Average Weekday Hourly Traffic	Sat	Sun	Average Week Hourly Traffic	Average Week Profile
12:00 AM		32	29			31			31	
12:15 AM		25	24			25			25	
12:30 AM		23	19			21			21	
12:45 AM		20	24			22			22	
1:00 AM		24	15			20			20	
1:15 AM		18	23			21			21	
1:30 AM		12	22			17			17	
1:45 AM		14	12			13			13	
2:00 AM		10	22			16			16	
2:15 AM		9	11			10			10	
2:30 AM		11	13			12			12	
2:45 AM		13	8			11			11	
3:00 AM		7	7			7			7	
3:15 AM		7	9			8			8	
3:30 AM		6	12			9			9	
3:45 AM		10	5			8			8	
4:00 AM		9	13			11			11	
4:15 AM		9	16			13			13	
4:30 AM		13	9			11			11	
4:45 AM		20	18			19			19	
5:00 AM		16	16			16			16	
5:15 AM		32	20			26			26	
5:30 AM		28	25			27			27	
5:45 AM		30	48			39			39	
Day Total										
% Weekday Average										
% Week Average										
AM Peak Volume										
PM Peak Volume										

Comments:

Quality Counts
TRANSPORTATION DATA COLLECTION

LOCATION: University Ave
SPECIFIC LOCATION: 200 ft from Mackubin St
CITY/STATE: St. Paul, MN

QC JOB #: 12786848
DIRECTION: EB/WB
DATE: Oct 07 2014 - Oct 08 2014

Start Time	Mon	Tue 07-Oct-14	Wed 08-Oct-14	Thu	Fri	Average Weekday Hourly Traffic	Sat	Sun	Average Week Hourly Traffic	Average Week Profile
6:00 AM		31	34			33			33	
6:15 AM		57	51			54			54	
6:30 AM		76	82			79			79	
6:45 AM		105	92			99			99	
7:00 AM		116	113			115			115	
7:15 AM		117	120			119			119	
7:30 AM		171	181			176			176	
7:45 AM		199	220			210			210	
8:00 AM		206	194			200			200	
8:15 AM		192	205			199			199	
8:30 AM		176	204			190			190	
8:45 AM		194	214			204			204	
9:00 AM		175	193			184			184	
9:15 AM		173	176			175			175	
9:30 AM		208	184			196			196	
9:45 AM		191	177			184			184	
10:00 AM		200	190			195			195	
10:15 AM		161	213			187			187	
10:30 AM		253	210			232			232	
10:45 AM		213	242			228			228	
11:00 AM		248	243			246			246	
11:15 AM		259	245			252			252	
11:30 AM		247	**266**			257			257	
11:45 AM		**300**	255			**278**			**278**	
Day Total										
% Weekday Average										
% Week Average										
AM Peak Volume										
PM Peak Volume										

Comments:

Quality Counts
TRANSPORTATION DATA COLLECTION

LOCATION: University Ave
SPECIFIC LOCATION: 200 ft from Mackubin St
CITY/STATE: St. Paul, MN

QC JOB #: 12786848
DIRECTION: EB/WB
DATE: Oct 07 2014 - Oct 08 2014

Start Time	Mon	Tue 07-Oct-14	Wed 08-Oct-14	Thu	Fri	Average Weekday Hourly Traffic	Sat	Sun	Average Week Hourly Traffic	Average Week Profile
12:00 PM		273	327			300			300	
12:15 PM		263	336			300			300	
12:30 PM		296	327			312			312	
12:45 PM		291	315			303			303	
1:00 PM		282	280			281			281	
1:15 PM		276	261			269			269	
1:30 PM		275	289			282			282	
1:45 PM		292	279			286			286	
2:00 PM		263	279			271			271	
2:15 PM		289	249			269			269	
2:30 PM		263	266			265			265	
2:45 PM		298	299			299			299	
3:00 PM		286	307			297			297	
3:15 PM		266	322			294			294	
3:30 PM		265	312			289			289	
3:45 PM		356	336			346			346	
4:00 PM		318	308			313			313	
4:15 PM		316	349			333			333	
4:30 PM		349	363			356			356	
4:45 PM		**387**	**372**			**380**			**380**	
5:00 PM		353	347			350			350	
5:15 PM		379	326			353			353	
5:30 PM		319	335			327			327	
5:45 PM		294	300			297			297	
Day Total										
% Weekday Average										
% Week Average										
AM Peak Volume										
PM Peak Volume										

Comments:

Quality Counts
TRANSPORTATION DATA COLLECTION

LOCATION: University Ave
SPECIFIC LOCATION: 200 ft from Mackubin St
CITY/STATE: St. Paul, MN

QC JOB #: 12786848
DIRECTION: EB/WB
DATE: Oct 07 2014 - Oct 08 2014

Start Time	Mon	Tue 07-Oct-14	Wed 08-Oct-14	Thu	Fri	Average Weekday Hourly Traffic	Sat	Sun	Average Week Hourly Traffic	Average Week Profile
6:00 PM		270	264			267			267	
6:15 PM		260	237			249			249	
6:30 PM		211	235			223			223	
6:45 PM		196	217			207			207	
7:00 PM		161	227			194			194	
7:15 PM		225	186			206			206	
7:30 PM		181	182			182			182	
7:45 PM		180	168			174			174	
8:00 PM		160	169			165			165	
8:15 PM		147	132			140			140	
8:30 PM		129	160			145			145	
8:45 PM		99	118			109			109	
9:00 PM		92	108			100			100	
9:15 PM		88	109			99			99	
9:30 PM		69	73			71			71	
9:45 PM		64	59			62			62	
10:00 PM		67	78			73			73	
10:15 PM		63	68			66			66	
10:30 PM		60	56			58			58	
10:45 PM		58	49			54			54	
11:00 PM		35	31			33			33	
11:15 PM		36	34			35			35	
11:30 PM		28	34			31			31	
11:45 PM		32	37			35			35	
Day Total		14826	15239			15055			15055	
% Weekday Average		98.5%	101.2%							
% Week Average		98.5%	101.2%			100.0%				
AM Peak		11:45 AM	11:30 AM			11:45 AM			11:45 AM	
Volume		300	266			278			278	
PM Peak		4:45 PM	4:45 PM			4:45 PM			4:45 PM	
Volume		387	372			380			380	

Comments:

Quality Counts
TRANSPORTATION DATA COLLECTION