

Intersection Traffic Volume Report

Count Basics		Version 2011.J3		Page 1 of 11	
Start Date:	Tuesday, December 06, 2011	Weekday		Schools in Session	
Total Number of Hours Counted:	12	Non-Holiday		No Special Events	

Base Information, Observed (12) Hour and Estimated (24) Hour Volume Summaries

Intersection of: **441 NB ON RAMP and CTH OO (Northland Ave)**



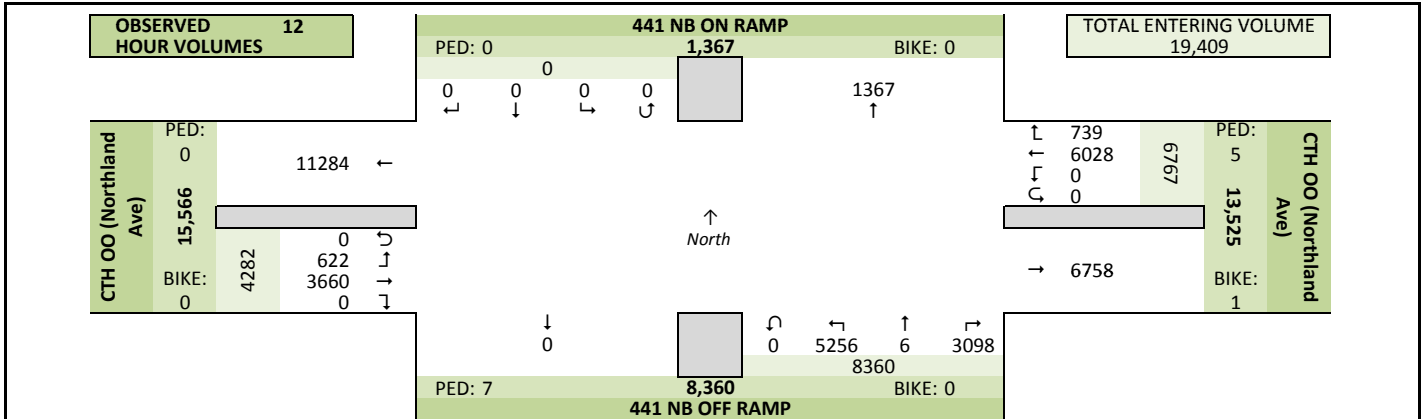
Site Information

Municipality	City of Appleton		
County	Outagamie	WisDOT Region	NE
Traffic Control	Traffic Signal		
Roadway Names	North Direction		↑
North Leg	441 NB ON RAMP		
East Leg	CTH OO (Northland Ave)		
South Leg	441 NB OFF RAMP		
West Leg	CTH OO (Northland Ave)		
Special Considerations			
Schools	In Session		
Holidays	None		
Special Events	None		
Special Pedestrians Observed			
	Pre-school children	None	
	Elementry school age children	None	
	Visually impaired (white cane/helper dog)	None	
	Elderly/disabled (except wheelchairs)	None	
	Wheelchairs/electric scooters	None	
	Other (describe)	None	None

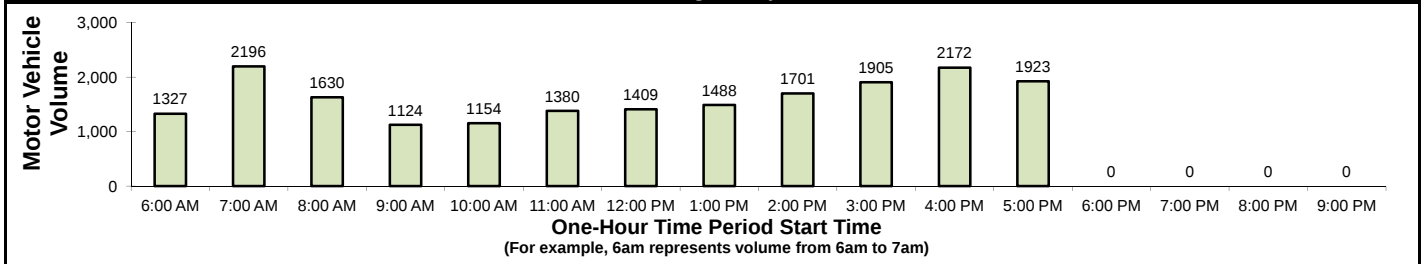
Count Information

Hrs Counted: 6:00 AM-6:00 PM					
Count Dates				Weather	
AM Peak Period		Tuesday, December 06, 2011		Clear & Dry	
Midday Peak Period		Tuesday, December 06, 2011		Clear & Dry	
PM Peak Period		Tuesday, December 06, 2011		Clear & Dry	
Calculated Peak Hours					
	AM	7:15-8:15am	MD	1:00-2:00pm	PM 4:30-5:30pm
Peak Hours Selected for Analysis					
	AM	7:15-8:15am	MD	1:00-2:00pm	PM 4:30-5:30pm
Daily/Seasonal Adjustment Group			(2) Urban Arterials & Collectors		
Count Expansion Group			(2) Urban Arterials & Collectors		
Daily/Seasonal Adjustment Factor			1.003	Count Expansion Factor n/a	
Company Name DAAR CORP				Manual Adj. 1.000	
Observers	AM Peak Period		Kerstian Oestreich		
	Midday Peak Period		Nathan Lipinski		
	PM Peak Period		Nathan Lipinski		
Comments	Version 2011.J3				

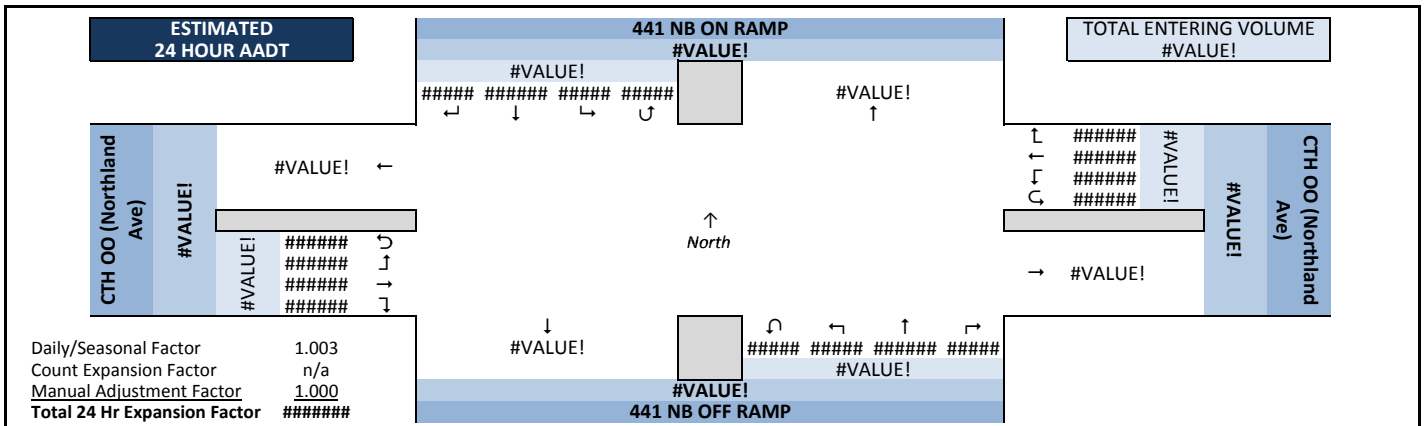
Observed 12 Hour Volume Summary



Total Entering Hourly Volume



Estimated 24 Hour AADT



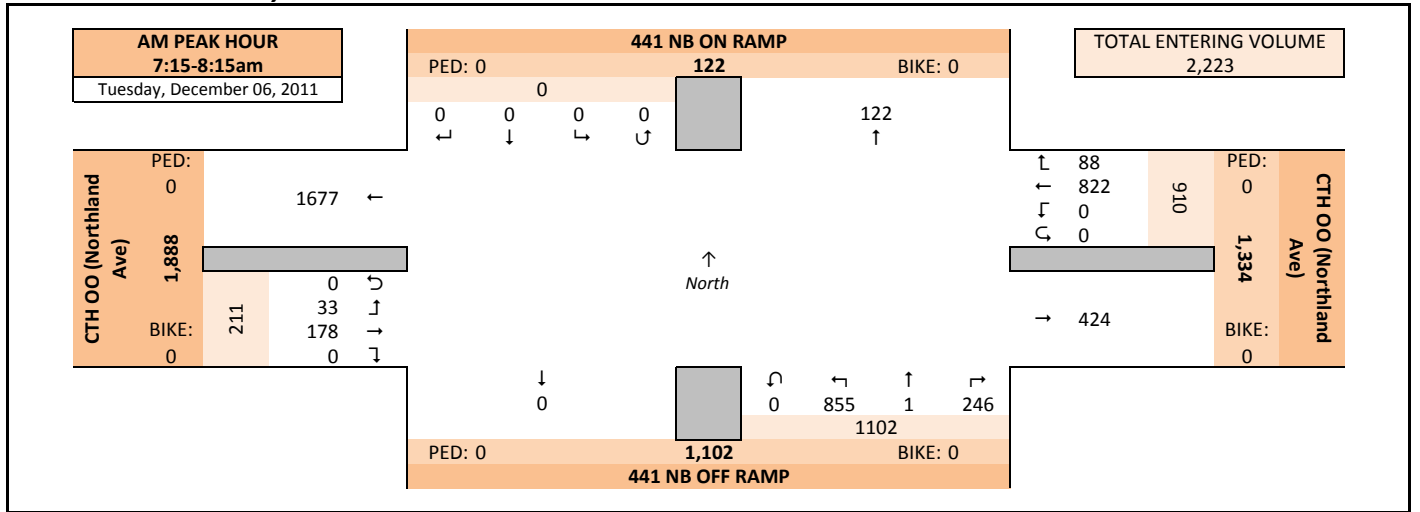
Intersection Traffic Volume Report

Peak Hour Volume Graphical Summary

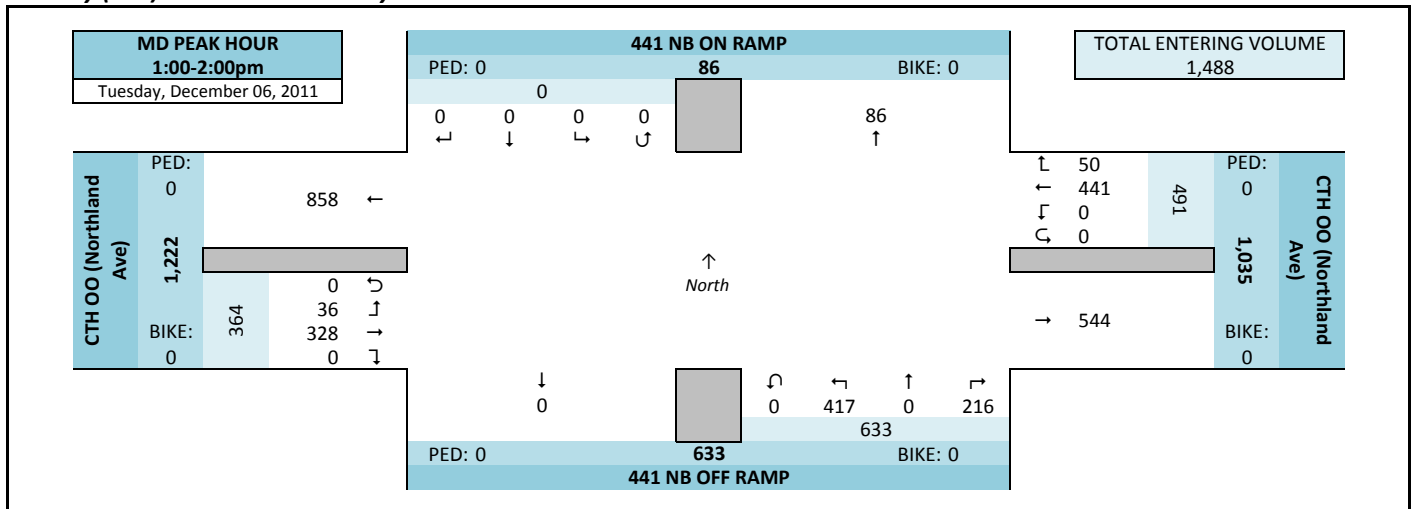
441 NB ON RAMP and CTH OO (Northland Ave)

AM Peak Hour Summary

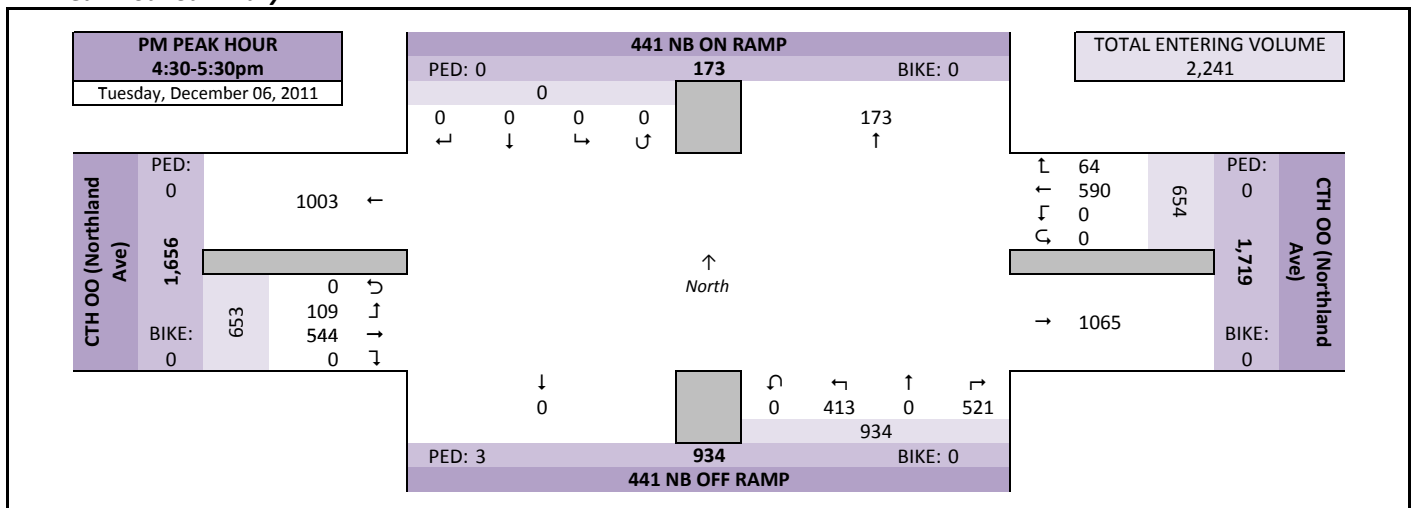
Count Basics				Page 2 of 11
Start Date:	Tuesday, December 06, 2011	Weekday	Schools in Session	
Total Number of Hours Counted:	12	Non-Holiday	No Special Events	



Midday (MD) Peak Hour Summary



PM Peak Hour Summary

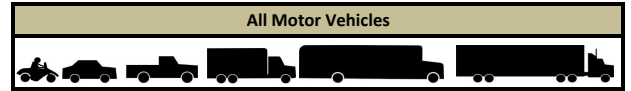


Intersection Traffic Volume Report

Count Basics			Page 3 of 11
Start Date:	Tuesday, December 06, 2011	Weekday	Schools in Session
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Peak Hour Volume Summary

441 NB ON RAMP and CTH OO (Northland Ave)



Peak Hour Volumes, Truck Percentages, and PHFs

Tuesday, December 06, 2011		From North					From East					From South					From West					
		441 NB ON RAMP					CTH OO (Northland Ave)					441 NB OFF RAMP					CTH OO (Northland Ave)					
AM Peak Hour	AM Peak Hour	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Totals
	Start Time																					
	7:15 AM	0	0	0	0	0	28	151	0	0	179	74	0	216	0	290	0	35	12	0	47	516
	7:30 AM	0	0	0	0	0	19	224	0	0	243	66	1	233	0	300	0	39	4	0	43	586
	7:45 AM	0	0	0	0	0	29	277	0	0	306	64	0	242	0	306	0	63	9	0	72	684
	8:00 AM	0	0	0	0	0	12	170	0	0	182	42	0	164	0	206	0	41	8	0	49	437
	Peak Hour Volume	0	0	0	0	0	88	822	0	0	910	246	1	855	0	1102	0	178	33	0	211	2223
	Rounded Hourly Volume	0	0	0	0	0	90	820	0	0	910	245	0	855	0	1100	0	180	35	0	215	2225
	% Single Unit Trucks	0.0	0.0	0.0	0.0	0.0	8.0	2.6	0.0	0.0	3.1	2.4	0.0	1.3	0.0	1.5	0.0	11.8	6.1	0.0	10.9	3.1
	% Heavy Trucks	0.0	0.0	0.0	0.0	0.0	4.5	0.6	0.0	0.0	1.0	2.8	100.0	0.6	0.0	1.2	0.0	3.9	3.0	0.0	3.8	1.3
	% Trucks (Total)	0.0	0.0	0.0	0.0	0.0	12.5	3.2	0.0	0.0	4.1	5.3	100.0	1.9	0.0	2.7	0.0	15.7	9.1	0.0	14.7	4.4
Peak Hour Factor (PHF)	0.00	0.00	0.00	0.00	0.00	0.76	0.74	0.00	0.00	0.74	0.83	0.25	0.88	0.00	0.90	0.00	0.71	0.69	0.00	0.73	0.81	

Tuesday, December 06, 2011		From North					From East					From South					From West					
Midday (MD) Peak Hour	MD Peak Hour	441 NB ON RAMP					CTH OO (Northland Ave)					441 NB OFF RAMP					CTH OO (Northland Ave)					
	Start Time	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Totals
	1:00 PM	0	0	0	0	0	13	124	0	0	137	52	0	119	0	171	0	72	8	0	80	388
	1:15 PM	0	0	0	0	0	12	92	0	0	104	61	0	80	0	141	0	73	8	0	81	326
	1:30 PM	0	0	0	0	0	12	115	0	0	127	51	0	113	0	164	0	100	8	0	108	399
	1:45 PM	0	0	0	0	0	13	110	0	0	123	52	0	105	0	157	0	83	12	0	95	375
	Peak Hour Volume	0	0	0	0	0	50	441	0	0	491	216	0	417	0	633	0	328	36	0	364	1488
	Rounded Hourly Volume	0	0	0	0	0	50	440	0	0	490	215	0	415	0	630	0	330	35	0	365	1485
	% Single Unit Trucks	0.0	0.0	0.0	0.0	0.0	6.0	2.7	0.0	0.0	3.1	1.9	0.0	3.1	0.0	2.7	0.0	6.1	8.3	0.0	6.3	3.7
	% Heavy Trucks	0.0	0.0	0.0	0.0	0.0	8.0	3.9	0.0	0.0	4.3	6.9	0.0	2.2	0.0	3.8	0.0	2.4	13.9	0.0	3.6	3.9
	% Trucks (Total)	0.0	0.0	0.0	0.0	0.0	14.0	6.6	0.0	0.0	7.3	8.8	0.0	5.3	0.0	6.5	0.0	8.5	22.2	0.0	9.9	7.6
Peak Hour Factor (PHF)	0.00	0.00	0.00	0.00	0.00	0.96	0.89	0.00	0.00	0.90	0.89	0.00	0.88	0.00	0.93	0.00	0.82	0.75	0.00	0.84	0.93	

Tuesday, December 06, 2011		From North					From East					From South					From West					
PM Peak Hour	PM Peak Hour	441 NB ON RAMP					CTH OO (Northland Ave)					441 NB OFF RAMP					CTH OO (Northland Ave)					
	Start Time	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Totals
	4:30 PM	0	0	0	0	0	16	144	0	0	160	128	0	92	0	220	0	148	31	0	179	559
	4:45 PM	0	0	0	0	0	16	157	0	0	173	152	0	117	0	269	0	128	35	0	163	605
	5:00 PM	0	0	0	0	0	20	139	0	0	159	104	0	96	0	200	0	126	24	0	150	509
	5:15 PM	0	0	0	0	0	12	150	0	0	162	137	0	108	0	245	0	142	19	0	161	568
	Peak Hour Volume	0	0	0	0	0	64	590	0	0	654	521	0	413	0	934	0	544	109	0	653	2241
	Rounded Hourly Volume	0	0	0	0	0	65	590	0	0	655	520	0	415	0	935	0	545	110	0	655	2245
	% Single Unit Trucks	0.0	0.0	0.0	0.0	0.0	1.6	0.7	0.0	0.0	0.8	0.6	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.4
	% Heavy Trucks	0.0	0.0	0.0	0.0	0.0	3.1	0.7	0.0	0.0	0.9	2.3	0.0	1.0	0.0	1.7	0.0	1.1	2.8	0.0	1.4	1.4
	% Trucks (Total)	0.0	0.0	0.0	0.0	0.0	4.7	1.4	0.0	0.0	1.7	2.9	0.0	1.5	0.0	2.2	0.0	1.1	2.8	0.0	1.4	1.8
Peak Hour Factor (PHF)	0.00	0.00	0.00	0.00	0.00	0.80	0.94	0.00	0.00	0.95	0.86	0.00	0.88	0.00	0.87	0.00	0.92	0.78	0.00	0.91	0.93	

Peak Hour Pedestrian and Bicyclist Volumes

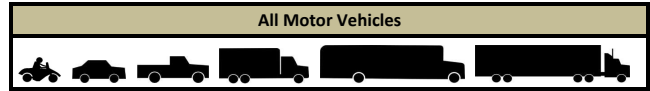
Pedestrians and Bicyclists		Crossing 			Crossing 			Crossing 			Crossing 			Total Ped & Bike Volume
 		North Approach			East Approach			South Approach			West Approach			
15-Minute Start Time		441 NB ON RAMP			CTH OO (Northland Ave)			441 NB OFF RAMP			CTH OO (Northland Ave)			
AM	Pedestrian	Bicyclist	Total	Pedestrian	Bicyclist	Total	Pedestrian	Bicyclist	Total	Pedestrian	Bicyclist	Total		
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0		
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0		
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0		
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0		
	Total	0	0	0	0	0	0	0	0	0	0	0		
MD	1:00 PM	0	0	0	0	0	0	0	0	0	0	0		
	1:15 PM	0	0	0	0	0	0	0	0	0	0	0		
	1:30 PM	0	0	0	0	0	0	0	0	0	0	0		
	1:45 PM	0	0	0	0	0	0	0	0	0	0	0		
	Total	0	0	0	0	0	0	0	0	0	0	0		
	PM	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	
4:45 PM		0	0	0	0	0	0	1	0	1	0	0		
5:00 PM		0	0	0	0	0	0	0	0	0	0	0		
5:15 PM		0	0	0	0	0	0	2	0	2	0	0		
Total		0	0	0	0	0	0	3	0	3	0	0		

Intersection Traffic Volume Report

Count Basics			Page 4 of 11
Start Date:	Tuesday, December 06, 2011	Weekday	Schools in Session
Total Number of Hours Counted:	12	Non-Holiday	No Special Events

Hourly Volume Summary - Motor Vehicle Data

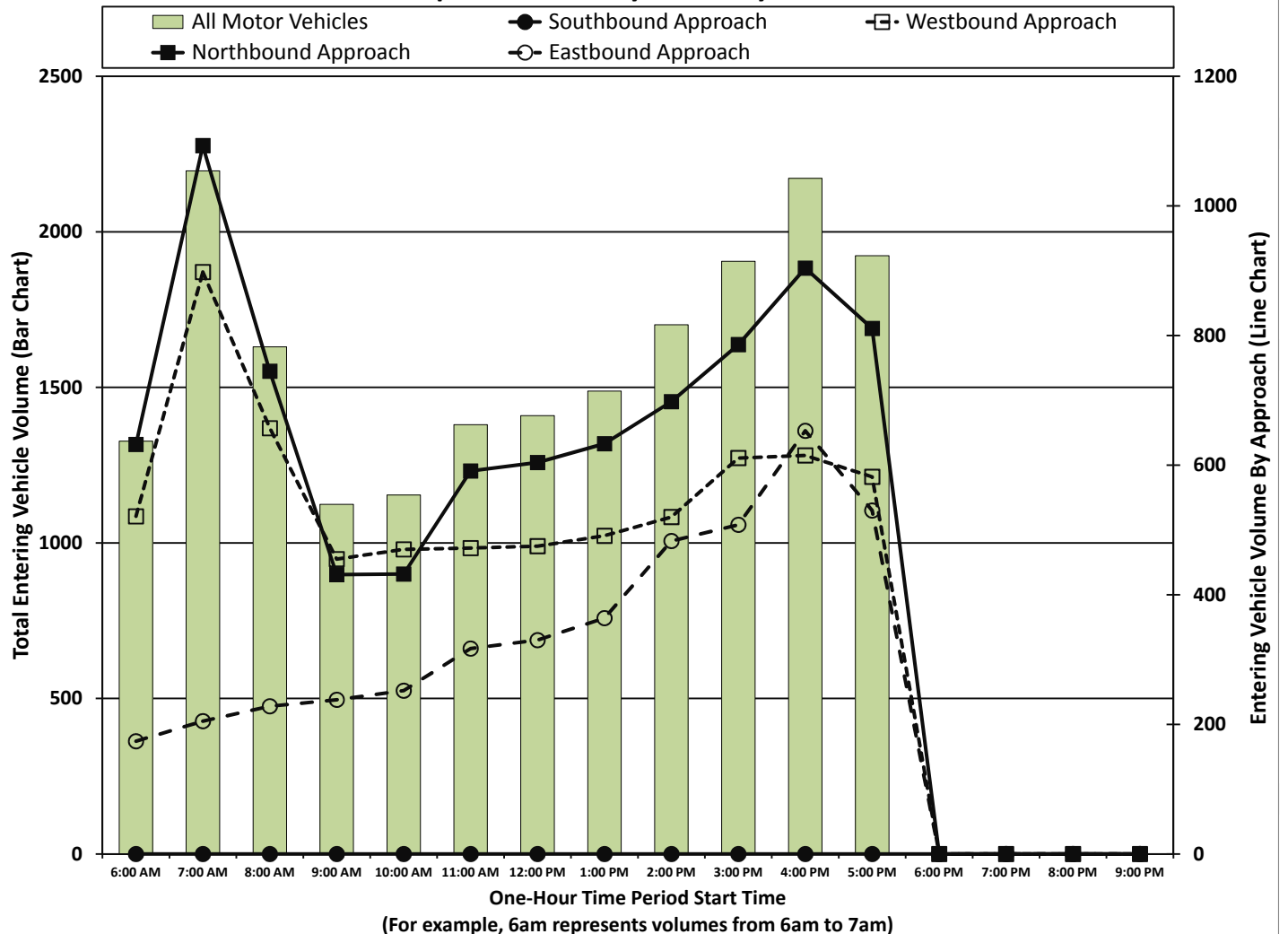
441 NB ON RAMP and CTH OO (Northland Ave)



One-Hour Motor Vehicle Data

One-Hour Time Period	From North					From East					From South					From West					Total	Directional Volume Totals		
	441 NB ON RAMP					CTH OO (Northland Ave)					441 NB OFF RAMP					CTH OO (Northland Ave)					Vehicle			
	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Volume	E/W	N/S	
AM	6:00 AM	0	0	0	0	0	62	459	0	0	521	152	0	480	0	632	0	155	19	0	174	1327	695	632
	7:00 AM	0	0	0	0	0	88	810	0	0	898	259	1	833	0	1093	0	173	32	0	205	2196	1103	1093
	8:00 AM	0	0	0	0	0	73	584	0	0	657	198	0	547	0	745	0	190	38	0	228	1630	885	745
	9:00 AM	0	0	0	0	0	47	408	0	0	455	142	0	289	0	431	0	199	39	0	238	1124	693	431
MD	10:00 AM	0	0	0	0	0	65	405	0	0	470	165	0	267	0	432	0	225	27	0	252	1154	722	432
	11:00 AM	0	0	0	0	0	44	428	0	0	472	205	4	382	0	591	0	288	29	0	317	1380	789	591
	12:00 PM	0	0	0	0	0	55	420	0	0	475	198	0	406	0	604	0	279	51	0	330	1409	805	604
	1:00 PM	0	0	0	0	0	50	441	0	0	491	216	0	417	0	633	0	328	36	0	364	1488	855	633
PM	2:00 PM	0	0	0	0	0	67	453	0	0	520	285	1	412	0	698	0	396	87	0	483	1701	1003	698
	3:00 PM	0	0	0	0	0	76	535	0	0	611	344	0	442	0	786	0	448	60	0	508	1905	1119	786
	4:00 PM	0	0	0	0	0	56	559	0	0	615	490	0	414	0	904	0	520	133	0	653	2172	1268	904
	5:00 PM	0	0	0	0	0	56	526	0	0	582	444	0	367	0	811	0	459	71	0	530	1923	1112	811
	6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Totals	0	0	0	0	0	739	6028	0	0	6767	3098	6	5256	0	8360	0	3660	622	0	4282	19409	11049	8360

Graphical Summary of Hourly Volumes



441 NB ON RAMP and CTH OO (Northland Ave)

Count Basics		Page 5 of 11
Start Date: Tuesday, December 06, 2011	Weekday	Schools in Session
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15-Minute Motor Vehicle Data

Vehicle Type	Percentage of Total Deaths
Motorcycle	10%
Passenger car	30%
Pickup truck	10%
Van	5%
Semi-truck	15%
Other	30%

15-Minute Time Period Start Time		↙ From North					← From East					↑ From South					→ From West					15-Min Totals	Hourly Sum	PHF	
		441 NB ON RAMP					CTH OO (Northland Ave)					441 NB OFF RAMP					CTH OO (Northland Ave)								
		Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total				
AM Peak Period	6:00 AM	0	0	0	0	0	15	113	0	0	128	26	0	82	0	108	0	24	2	0	26	262	1327	0.70	
	6:15 AM	0	0	0	0	0	13	102	0	0	115	31	0	114	0	145	0	36	8	0	44	304	1475	0.77	
	6:30 AM	0	0	0	0	0	16	101	0	0	117	32	0	95	0	127	0	36	5	0	41	285	1687	0.82	
	6:45 AM	0	0	0	0	0	18	143	0	0	161	63	0	189	0	252	0	59	4	0	63	476	1988	0.85	
	7:00 AM	0	0	0	0	0	12	158	0	0	170	55	0	142	0	197	0	36	7	0	43	410	2196	0.80	
	7:15 AM	0	0	0	0	0	28	151	0	0	179	74	0	216	0	290	0	35	12	0	47	516	2223	0.81	
	7:30 AM	0	0	0	0	0	19	224	0	0	243	66	1	233	0	300	0	39	4	0	43	586	2134	0.78	
	7:45 AM	0	0	0	0	0	29	277	0	0	306	64	0	242	0	306	0	63	9	0	72	684	1926	0.70	
	8:00 AM	0	0	0	0	0	12	170	0	0	182	42	0	164	0	206	0	41	8	0	49	437	1630	0.93	
	8:15 AM	0	0	0	0	0	22	156	0	0	178	60	0	125	0	185	0	52	12	0	64	427	1480	0.87	
Midday Peak Period	8:30 AM	0	0	0	0	0	20	127	0	0	147	49	0	128	0	177	0	49	5	0	54	378	1327	0.76	
	8:45 AM	0	0	0	0	0	19	131	0	0	150	47	0	130	0	177	0	48	13	0	61	388	1228	0.79	
	9:00 AM	0	0	0	0	0	7	115	0	0	122	38	0	75	0	113	0	43	9	0	52	287	1124	0.98	
	9:15 AM	0	0	0	0	0	14	94	0	0	108	37	0	65	0	102	0	54	10	0	64	274	1123	0.98	
	9:30 AM	0	0	0	0	0	10	104	0	0	114	28	0	78	0	106	0	45	14	0	59	279	1123	0.98	
	9:45 AM	0	0	0	0	0	16	95	0	0	111	39	0	71	0	110	0	57	6	0	63	284	1124	0.98	
	10:00 AM	0	0	0	0	0	19	104	0	0	123	38	0	61	0	99	0	55	9	0	64	286	1154	0.92	
	10:15 AM	0	0	0	0	0	15	91	0	0	106	39	0	70	0	109	0	54	5	0	59	274	1180	0.94	
	10:30 AM	0	0	0	0	0	15	100	0	0	115	40	0	65	0	105	0	54	6	0	60	280	1269	0.87	
	10:45 AM	0	0	0	0	0	16	110	0	0	126	48	0	71	0	119	0	62	7	0	69	314	1337	0.92	
PM Peak Period	11:00 AM	0	0	0	0	0	9	98	0	0	107	37	0	95	0	132	0	61	12	0	73	312	1380	0.95	
	11:15 AM	0	0	0	0	0	9	109	0	0	118	54	4	99	0	157	0	83	5	0	88	363	1400	0.96	
	11:30 AM	0	0	0	0	0	15	110	0	0	125	49	0	83	0	132	0	86	5	0	91	348	1383	0.97	
	11:45 AM	0	0	0	0	0	11	111	0	0	122	65	0	105	0	170	0	58	7	0	65	357	1394	0.97	
	12:00 PM	0	0	0	0	0	11	97	0	0	108	42	0	98	0	140	0	70	14	0	84	332	1409	0.95	
	12:15 PM	0	0	0	0	0	18	107	0	0	125	42	0	92	0	134	0	77	10	0	87	346	1465	0.94	
	12:30 PM	0	0	0	0	0	14	110	0	0	124	50	0	113	0	163	0	64	8	0	72	359	1445	0.93	
	12:45 PM	0	0	0	0	0	12	106	0	0	118	64	0	103	0	167	0	68	19	0	87	372	1485	0.93	
	1:00 PM	0	0	0	0	0	13	124	0	0	137	52	0	119	0	171	0	72	8	0	80	388	1488	0.93	
	1:15 PM	0	0	0	0	0	12	92	0	0	104	61	0	80	0	141	0	73	8	0	81	326	1481	0.93	
Totals	1:30 PM	0	0	0	0	0	12	115	0	0	127	51	0	113	0	164	0	100	8	0	108	399	1578	0.93	
	1:45 PM	0	0	0	0	0	13	110	0	0	123	52	0	105	0	157	0	83	12	0	95	375	1614	0.93	
	2:00 PM	0	0	0	0	0	18	127	0	0	145	51	1	93	0	145	0	77	14	0	91	381	1701	0.92	
	2:15 PM	0	0	0	0	0	12	114	0	0	126	79	0	119	0	198	0	90	9	0	99	423	1749	0.95	
	2:30 PM	0	0	0	0	0	14	102	0	0	116	75	0	91	0	166	0	120	33	0	153	435	1793	0.96	
	2:45 PM	0	0	0	0	0	23	110	0	0	133	80	0	109	0	189	0	109	31	0	140	462	1884	0.90	
	3:00 PM	0	0	0	0	0	16	117	0	0	133	69	0	121	0	190	0	91	15	0	106	429	1905	0.91	
	3:15 PM	0	0	0	0	0	19	154	0	0	173	76	0	94	0	170	0	112	12	0	124	467	1952	0.93	
	3:30 PM	0	0	0	0	0	16	155	0	0	171	91	0	122	0	213	0	125	17	0	142	526	2017	0.95	
	3:45 PM	0	0	0	0	0	25	109	0	0	134	108	0	105	0	213	0	120	16	0	136	483	2050	0.92	
	4:00 PM	0	0	0	0	0	14	133	0	0	147	81	0	90	0	171	0	118	40	0	158	476	2172	0.90	
	4:15 PM	0	0	0	0	0	10	125	0	0	135	129	0	115	0	244	0	126	27	0	153	532	2205	0.91	
	4:30 PM	0	0	0	0	0	16	144	0	0	160	128	0	92	0	220	0	148	31	0	179	559	2241	0.93	
	4:45 PM	0	0	0	0	0	16	157	0	0	173	152	0	117	0	269	0	128	35	0	163	605	2118	0.88	
	5:00 PM	0	0	0	0	0	20	139	0	0	159	104	0	96	0	200	0	126	24	0	150	509	1923	0.85	
	5:15 PM	0	0	0	0	0	12	150	0	0	162	137	0	108	0	245	0	142	19	0	161	568			
	5:30 PM	0	0	0	0	0	20	122	0	0	142	107	0	74	0	181	0	94	19	0	113	436			
	5:45 PM	0	0	0	0	0	4	115	0	0	119	96	0	89	0	185	0	97	9	0	106	410			
	6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
7:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
7:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
8:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
8:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
8:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
8:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
9:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
9:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
9:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Totals		0	0	0	0	0	739	6028	0	0	6767	3098	6	5256	0	8360	0	3660	622	0	4282	19409			

Peak Hour All Vehicle Volume Summary

Hourly Time Period Start Time	From North					From East					From South					From West					Total Hourly Volume	PHF
	441 NB ON RAMP					CTH OO (Northland Ave)					441 NB OFF RAMP					CTH OO (Northland Ave)						
	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total		
AM 7:15 AM	0	0	0	0	0	88	822	0	0	910	246	1	855	0	1102	0	178	33	0	211	2223	0.81
MD 1:00 PM	0	0	0	0	0	50	441	0	0	491	216	0	417	0	633	0	328	36	0	364	1488	0.93
PM 4:30 PM	0	0	0	0	0	64	590	0	0	654	521	0	413	0	934	0	544	109	0	653	2241	0.93

Intersection Traffic Volume Report

15-Minute Automobile Data

Count Basics			Page 6 of 11
Start Date:	Tuesday, December 06, 2011	Weekday	Schools in Session
Total Number of Hours Counted:	12	Non-Holiday	No Special Events

Automobiles (Cars, Light Trucks, & Motorcycles)



441 NB ON RAMP and CTH OO (Northland Ave)

15-Minute Automobile Data

15-Minute Time Period Start Time		From North					From East					From South					From West					15-Min Totals	Hourly Sum
		441 NB ON RAMP					CTH OO (Northland Ave)					441 NB OFF RAMP					CTH OO (Northland Ave)						
		Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total		
AM Peak Period	6:00 AM	0	0	0	0	0	15	112	0	0	127	25	0	82	0	107	0	23	2	0	25	259	1288
	6:15 AM	0	0	0	0	0	13	102	0	0	115	30	0	111	0	141	0	32	7	0	39	295	1424
	6:30 AM	0	0	0	0	0	13	101	0	0	114	31	0	93	0	124	0	35	3	0	38	276	1627
	6:45 AM	0	0	0	0	0	16	141	0	0	157	59	0	186	0	245	0	53	3	0	56	458	1917
	7:00 AM	0	0	0	0	0	10	153	0	0	163	51	0	140	0	191	0	34	7	0	41	395	2112
	7:15 AM	0	0	0	0	0	24	145	0	0	169	73	0	212	0	285	0	32	12	0	44	498	2125
	7:30 AM	0	0	0	0	0	15	221	0	0	236	63	0	229	0	292	0	34	4	0	38	566	2025
	7:45 AM	0	0	0	0	0	27	268	0	0	295	61	0	238	0	299	0	50	9	0	59	653	1800
	8:00 AM	0	0	0	0	0	11	162	0	0	173	36	0	160	0	196	0	34	5	0	39	408	1509
	8:15 AM	0	0	0	0	0	18	151	0	0	169	54	0	116	0	170	0	48	11	0	59	398	1388
	8:30 AM	0	0	0	0	0	13	116	0	0	129	44	0	124	0	168	0	41	3	0	44	341	1233
	8:45 AM	0	0	0	0	0	15	127	0	0	142	44	0	126	0	170	0	41	9	0	50	362	1142
	9:00 AM	0	0	0	0	0	7	115	0	0	122	38	0	75	0	113	0	43	9	0	52	287	1033
	9:15 AM	0	0	0	0	0	8	90	0	0	98	32	0	58	0	90	0	46	9	0	55	243	1008
	9:30 AM	0	0	0	0	0	9	96	0	0	105	25	0	71	0	96	0	38	11	0	49	250	1006
	9:45 AM	0	0	0	0	0	12	87	0	0	99	33	0	65	0	98	0	51	5	0	56	253	1004
Midday Peak Period	10:00 AM	0	0	0	0	0	12	100	0	0	112	35	0	59	0	94	0	49	7	0	56	262	1033
	10:15 AM	0	0	0	0	0	11	79	0	0	90	37	0	61	0	98	0	48	5	0	53	241	1045
	10:30 AM	0	0	0	0	0	11	92	0	0	103	37	0	59	0	96	0	43	6	0	49	248	1145
	10:45 AM	0	0	0	0	0	13	100	0	0	113	44	0	68	0	112	0	53	4	0	57	282	1220
	11:00 AM	0	0	0	0	0	7	91	0	0	98	30	0	85	0	115	0	53	8	0	61	274	1266
	11:15 AM	0	0	0	0	0	9	101	0	0	110	51	4	95	0	150	0	77	4	0	81	341	1297
	11:30 AM	0	0	0	0	0	12	104	0	0	116	43	0	80	0	123	0	81	3	0	84	323	1277
	11:45 AM	0	0	0	0	0	9	105	0	0	114	57	0	100	0	157	0	53	4	0	57	328	1288
	12:00 PM	0	0	0	0	0	8	88	0	0	96	39	0	94	0	133	0	65	11	0	76	305	1308
	12:15 PM	0	0	0	0	0	13	101	0	0	114	38	0	88	0	126	0	73	8	0	81	321	1368
	12:30 PM	0	0	0	0	0	11	101	0	0	112	48	0	111	0	159	0	55	8	0	63	334	1350
	12:45 PM	0	0	0	0	0	10	101	0	0	111	56	0	102	0	158	0	64	15	0	79	348	1375
	1:00 PM	0	0	0	0	0	13	119	0	0	132	48	0	113	0	161	0	64	8	0	72	365	1375
	1:15 PM	0	0	0	0	0	11	89	0	0	100	54	0	76	0	130	0	67	6	0	73	303	1359
	1:30 PM	0	0	0	0	0	9	108	0	0	117	45	0	103	0	148	0	90	4	0	94	359	1454
	1:45 PM	0	0	0	0	0	10	96	0	0	106	50	0	103	0	153	0	79	10	0	89	348	1504
PM Peak Period	2:00 PM	0	0	0	0	0	14	117	0	0	131	49	1	85	0	135	0	71	12	0	83	349	1587
	2:15 PM	0	0	0	0	0	9	110	0	0	119	77	0	112	0	189	0	82	8	0	90	398	1638
	2:30 PM	0	0	0	0	0	13	100	0	0	113	70	0	85	0	155	0	112	29	0	141	409	1688
	2:45 PM	0	0	0	0	0	17	104	0	0	121	75	0	106	0	181	0	99	30	0	129	431	1783
	3:00 PM	0	0	0	0	0	12	112	0	0	124	66	0	110	0	176	0	85	15	0	100	400	1818
	3:15 PM	0	0	0	0	0	13	149	0	0	162	74	0	91	0	165	0	109	12	0	121	448	1876
	3:30 PM	0	0	0	0	0	13	150	0	0	163	89	0	114	0	203	0	121	17	0	138	504	1946
	3:45 PM	0	0	0	0	0	22	105	0	0	127	105	0	102	0	207	0	117	15	0	132	466	1983
	4:00 PM	0	0	0	0	0	12	129	0	0	141	76	0	87	0	163	0	117	37	0	154	458	2116
	4:15 PM	0	0	0	0	0	10	124	0	0	134	124	0	108	0	232	0	125	27	0	152	518	2163
	4:30 PM	0	0	0	0	0	14	142	0	0	156	124	0	89	0	213	0	143	29	0	172	541	2200
	4:45 PM	0	0	0	0	0	16	157	0	0	173	147	0	117	0	264	0	127	35	0	162	599	2090
	5:00 PM	0	0	0	0	0	20	138	0	0	158	103	0	94	0	197	0	126	24	0	150	505	1896
	5:15 PM	0	0	0	0	0	11	145	0	0	156	132	0	107	0	239	0	142	18	0	160	555	
	5:30 PM	0	0	0	0	0	19	119	0	0	138	107	0	74	0	181	0	94	18	0	112	431	
	5:45 PM	0	0	0	0	0	3	114	0	0	117	94	0	89	0	183	0	96	9	0	105	405	
	6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
9:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
9:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
9:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Totals		0	0	0	0	0	613	5777	0	0	6390	2923	5	5053	0	7981	0	3415	555	0	3970	18341	

Peak Hour Automobile Volume Summary

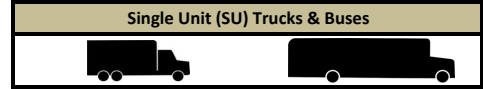
Hourly Time Period Start Time	From North					From East					From South		
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Intersection Traffic Volume Report

Count Basics				Page 7 of 11
Start Date:	Tuesday, December 06, 2011	Weekday	Schools in Session	
Total Number of Hours Counted:	12	Non-Holiday	No Special Events	

15-Minute Single Unit (SU) Truck & Bus Data

441 NB ON RAMP and CTH OO (Northland Ave)



15-Minute Single Unit (SU) Truck & Bus Data

15-Minute Time Period Start Time	From North						From East				From South					From West					15-Min Totals	Hourly Sum	
	441 NB ON RAMP						CTH OO (Northland Ave)				441 NB OFF RAMP					CTH OO (Northland Ave)							
	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total			
AM Peak Period	6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
	6:15 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	1	0	3	4	23
	6:30 AM	0	0	0	0	0	1	0	0	0	1	0	0	1	0	1	0	1	0	0	1	3	34
	6:45 AM	0	0	0	0	0	0	2	0	0	2	1	0	3	0	4	0	4	0	0	4	10	42
	7:00 AM	0	0	0	0	0	0	1	0	0	1	1	0	2	0	3	0	2	0	0	2	6	57
	7:15 AM	0	0	0	0	0	3	5	0	0	8	1	0	3	0	4	0	3	0	0	3	15	68
	7:30 AM	0	0	0	0	0	3	1	0	0	4	2	0	3	0	5	0	2	0	0	2	11	67
	7:45 AM	0	0	0	0	0	1	8	0	0	9	1	0	4	0	5	0	11	0	0	11	25	79
	8:00 AM	0	0	0	0	0	0	7	0	0	7	2	0	1	0	3	0	5	2	0	7	17	65
	8:15 AM	0	0	0	0	0	2	3	0	0	5	2	0	3	0	5	0	4	0	0	4	14	48
	8:30 AM	0	0	0	0	0	3	7	0	0	10	2	0	3	0	5	0	6	2	0	8	23	47
	8:45 AM	0	0	0	0	0	1	2	0	0	3	0	0	2	0	2	0	5	1	0	6	11	38
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	
9:15 AM	0	0	0	0	0	2	2	0	0	4	1	0	5	0	6	0	3	0	0	3	13	50	
9:30 AM	0	0	0	0	0	1	3	0	0	4	2	0	2	0	4	0	6	0	0	6	14	55	
9:45 AM	0	0	0	0	0	2	3	0	0	5	1	0	3	0	4	0	4	1	0	5	14	61	
Midday Peak Period	10:00 AM	0	0	0	0	0	2	4	0	0	6	0	0	1	0	1	0	2	0	0	2	9	65
	10:15 AM	0	0	0	0	0	1	7	0	0	8	1	0	4	0	5	0	5	0	0	5	18	76
	10:30 AM	0	0	0	0	0	1	6	0	0	7	1	0	3	0	4	0	9	0	0	9	20	65
	10:45 AM	0	0	0	0	0	0	9	0	0	9	2	0	1	0	3	0	6	0	0	6	18	57
	11:00 AM	0	0	0	0	0	1	7	0	0	8	2	0	4	0	6	0	6	0	0	6	20	53
	11:15 AM	0	0	0	0	0	0	4	0	0	4	0	0	1	0	1	0	2	0	0	2	7	49
	11:30 AM	0	0	0	0	0	0	3	0	0	3	1	0	3	0	4	0	4	1	0	5	12	57
	11:45 AM	0	0	0	0	0	1	3	0	0	4	5	0	3	0	8	0	2	0	0	2	14	60
	12:00 PM	0	0	0	0	0	0	6	0	0	6	1	0	2	0	3	0	5	2	0	7	16	61
	12:15 PM	0	0	0	0	0	3	4	0	0	7	1	0	4	0	5	0	2	1	0	3	15	55
	12:30 PM	0	0	0	0	0	2	6	0	0	8	1	0	0	0	1	0	6	0	0	6	15	49
	12:45 PM	0	0	0	0	0	1	5	0	0	6	5	0	1	0	6	0	1	2	0	3	15	56
	1:00 PM	0	0	0	0	0	0	2	0	0	2	2	0	4	0	6	0	2	0	0	2	10	55
	1:15 PM	0	0	0	0	0	1	1	0	0	2	1	0	2	0	3	0	4	0	0	4	9	59
	1:30 PM	0	0	0	0	0	0	5	0	0	5	1	0	5	0	6	0	10	1	0	11	22	66
	1:45 PM	0	0	0	0	0	2	4	0	0	6	0	0	2	0	2	0	4	2	0	6	14	57
PM Peak Period	2:00 PM	0	0	0	0	0	2	5	0	0	7	0	0	4	0	4	0	3	0	0	3	14	63
	2:15 PM	0	0	0	0	0	2	4	0	0	6	2	0	1	0	3	0	7	0	0	7	16	65
	2:30 PM	0	0	0	0	0	1	1	0	0	2	1	0	5	0	6	0	4	1	0	5	13	59
	2:45 PM	0	0	0	0	0	3	2	0	0	5	4	0	3	0	7	0	8	0	0	8	20	60
	3:00 PM	0	0	0	0	0	2	2	0	0	4	0	0	9	0	9	0	3	0	0	3	16	51
	3:15 PM	0	0	0	0	0	4	5	0	0	9	0	0	0	0	0	0	1	0	0	1	10	50
	3:30 PM	0	0	0	0	0	1	4	0	0	5	2	0	4	0	6	0	3	0	0	3	14	48
	3:45 PM	0	0	0	0	0	2	4	0	0	6	2	0	1	0	3	0	2	0	0	2	11	39
	4:00 PM	0	0	0	0	0	2	3	0	0	5	3	0	3	0	6	0	1	3	0	4	15	29
	4:15 PM	0	0	0	0	0	0	1	0	0	1	3	0	4	0	7	0	0	0	0	0	8	16
	4:30 PM	0	0	0	0	0	1	2	0	0	3	1	0	1	0	2	0	0	0	0	0	5	10
	4:45 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	5
	5:00 PM	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	2	5
	5:15 PM	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	0	0	0	0	0	2	
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5:45 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	
	6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
9:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
9:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
9:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Totals		0	0	0	0	0	54	155	0	0	209	62	0	111	0	173	0	160	20	0	180	562	

Peak Hour Single Unit (SU) Truck & Buses Volume Summary

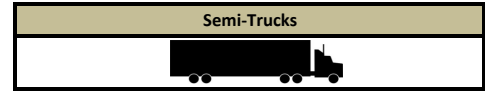
Hourly Time Period Start Time	From North					From East					From South					From West					Total Hourly Volume
	441 NB ON RAMP					CTH OO (Northland Ave)					441 NB OFF RAMP					CTH OO (Northland Ave)					
	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	
AM 7:15 AM	0	0	0	0	0	7	21	0	0	28	6	0	11	0	17	0	21	2	0	23	68
MD 1:00 PM	0	0	0	0	0	3	12	0	0	15	4	0	13	0	17	0	20	3	0	23	55
PM 4:30 PM	0	0	0	0	0	1	4	0	0	5	3	0	2	0	5	0	0	0	0	0	10

Intersection Traffic Volume Report

Count Basics				Page 8 of 11
Start Date:	Tuesday, December 06, 2011	Weekday	Schools in Session	
Total Number of Hours Counted:	12	Non-Holiday	No Special Events	

15-Minute Semi-Truck Data

441 NB ON RAMP and CTH OO (Northland Ave)



15-Minute Semi-Truck Data

15-Minute Time Period Start Time	From North							From East				From South						From West						15-Min Totals	Hourly Sum
	441 NB ON RAMP							CTH OO (Northland Ave)				441 NB OFF RAMP						CTH OO (Northland Ave)							
	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total					
AM Peak Period	6:00 AM	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	0	1	0	0	1	3	22	
	6:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	2	0	0	2	5	28		
	6:30 AM	0	0	0	0	0	2	0	0	0	2	1	0	1	0	2	0	0	2	0	2	6	26		
	6:45 AM	0	0	0	0	0	2	0	0	0	2	3	0	0	0	3	0	2	1	0	3	8	29		
	7:00 AM	0	0	0	0	0	2	4	0	0	6	3	0	0	0	3	0	0	0	0	0	9	27		
	7:15 AM	0	0	0	0	0	1	1	0	0	2	0	0	1	0	1	0	0	0	0	0	3	30		
	7:30 AM	0	0	0	0	0	1	2	0	0	3	1	1	1	0	3	0	3	0	0	3	9	42		
	7:45 AM	0	0	0	0	0	1	1	0	0	2	2	0	0	0	2	0	2	0	0	2	6	47		
	8:00 AM	0	0	0	0	0	1	1	0	0	2	4	0	3	0	7	0	2	1	0	3	12	56		
	8:15 AM	0	0	0	0	0	2	2	0	0	4	4	0	6	0	10	0	0	1	0	1	15	44		
	8:30 AM	0	0	0	0	0	4	4	0	0	8	3	0	1	0	4	0	2	0	0	2	14	47		
	8:45 AM	0	0	0	0	0	3	2	0	0	5	3	0	2	0	5	0	2	3	0	5	15	48		
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50			
9:15 AM	0	0	0	0	0	4	2	0	0	6	4	0	2	0	6	0	5	1	0	6	18	65			
9:30 AM	0	0	0	0	0	0	5	0	0	5	1	0	5	0	6	0	1	3	0	4	15	62			
9:45 AM	0	0	0	0	0	2	5	0	0	7	5	0	3	0	8	0	2	0	0	2	17	59			
Midday Peak Period	10:00 AM	0	0	0	0	0	5	0	0	0	5	3	0	1	0	4	0	4	2	0	6	15	56		
	10:15 AM	0	0	0	0	0	3	5	0	0	8	1	0	5	0	6	0	1	0	0	1	15	59		
	10:30 AM	0	0	0	0	0	3	2	0	0	5	2	0	3	0	5	0	2	0	0	2	12	59		
	10:45 AM	0	0	0	0	0	3	1	0	0	4	2	0	2	0	4	0	3	3	0	6	14	60		
	11:00 AM	0	0	0	0	0	1	0	0	0	1	5	0	6	0	11	0	2	4	0	6	18	61		
	11:15 AM	0	0	0	0	0	0	4	0	0	4	3	0	3	0	6	0	4	1	0	5	15	54		
	11:30 AM	0	0	0	0	0	3	3	0	0	6	5	0	0	0	5	0	1	1	0	2	13	49		
	11:45 AM	0	0	0	0	0	1	3	0	0	4	3	0	2	0	5	0	3	3	0	6	15	46		
	12:00 PM	0	0	0	0	0	3	3	0	0	6	2	0	2	0	4	0	0	1	0	1	11	40		
	12:15 PM	0	0	0	0	0	2	2	0	0	4	3	0	0	0	3	0	2	1	0	3	10	42		
	12:30 PM	0	0	0	0	0	1	3	0	0	4	1	0	2	0	3	0	3	0	0	3	10	46		
	12:45 PM	0	0	0	0	0	1	0	0	0	1	3	0	0	0	3	0	3	2	0	5	9	54		
	1:00 PM	0	0	0	0	0	0	3	0	0	3	2	0	2	0	4	0	6	0	0	6	13	58		
	1:15 PM	0	0	0	0	0	0	2	0	0	2	6	0	2	0	8	0	2	2	0	4	14	63		
	1:30 PM	0	0	0	0	0	3	2	0	0	5	5	0	5	0	10	0	0	3	0	3	18	58		
	1:45 PM	0	0	0	0	0	1	10	0	0	11	2	0	0	0	2	0	0	0	0	0	13	53		
PM Peak Period	2:00 PM	0	0	0	0	0	2	5	0	0	7	2	0	4	0	6	0	3	2	0	5	18	51		
	2:15 PM	0	0	0	0	0	1	0	0	0	1	0	0	6	0	6	0	1	1	0	2	9	46		
	2:30 PM	0	0	0	0	0	0	1	0	0	1	4	0	1	0	5	0	4	3	0	7	13	46		
	2:45 PM	0	0	0	0	0	3	4	0	0	7	1	0	0	0	1	0	2	1	0	3	11	41		
	3:00 PM	0	0	0	0	0	2	3	0	0	5	3	0	2	0	5	0	3	0	0	3	13	36		
	3:15 PM	0	0	0	0	0	2	0	0	0	2	2	0	3	0	5	0	2	0	0	2	9	26		
	3:30 PM	0	0	0	0	0	2	1	0	0	3	0	0	4	0	4	0	1	0	0	1	8	23		
	3:45 PM	0	0	0	0	0	1	0	0	0	1	1	0	2	0	3	0	1	1	0	2	6	28		
	4:00 PM	0	0	0	0	0	0	1	0	0	1	2	0	0	0	2	0	0	0	0	0	3	27		
	4:15 PM	0	0	0	0	0	0	0	0	0	0	2	0	3	0	5	0	1	0	0	1	6	26		
	4:30 PM	0	0	0	0	0	1	0	0	0	1	3	0	2	0	5	0	5	2	0	7	13	31		
	4:45 PM	0	0	0	0	0	0	0	0	0	0	4	0	0	0	4	0	1	0	0	1	5	23		
	5:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	0	0	0	0	0	2	22		
	5:15 PM	0	0	0	0	0	1	4	0	0	5	4	0	1	0	5	0	0	1	0	1	11			
	5:30 PM	0	0	0	0	0	1	3	0	0	4	0	0	0	0	0	0	0	1	0	1	5			
	5:45 PM	0	0	0	0	0	1	1	0	0	2	1	0	0	0	1	0	1	0	0	1	4			
	6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	7:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	7:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
8:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
8:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
8:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
8:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
9:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
9:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
9:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Totals		0	0	0	0	0	72	96	0	0	168	113	1	92	0	206	0	85	47	0	132	506			

Peak Hour Semi-Truck Volume Summary

Hourly Time Period Start Time	From North					From East					From South					From West					Total Hourly Volume
	441 NB ON RAMP					CTH OO (Northland Ave)					441 NB OFF RAMP					CTH OO (Northland Ave)					
	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	
AM 7:15 AM	0	0	0	0	0	5	6	0	0	11	11	1	10	0	22	0	7	2	0	9	42
MD 1:00 PM	0	0	0	0	0	4	8	0	0	12	9	0	4	0	13	0	14	3	0	17	42
PM 4:30 PM	0	0	0	0	0	2	1	0	0	3	8	0	7	0	15	0	7	3	0	10	28

Intersection Traffic Volume Report

Count Basics				Page 9 of 11
Start Date:	Tuesday, December 06, 2011	Weekday	Schools in Session	
Total Number of Hours Counted:	12	Non-Holiday	No Special Events	

15-Minute Heavy Vehicle Data

441 NB ON RAMP and CTH OO (Northland Ave)



15-Minute Heavy Vehicle Data

15-Minute Time Period Start Time	From North							From East				From South					From West					15-Min Totals	Hourly Sum	
	441 NB ON RAMP							CTH OO (Northland Ave)				441 NB OFF RAMP					CTH OO (Northland Ave)							
	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total				
AM Peak Period	6:00 AM	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	0	1	0	0	1	3	39
	6:15 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0	4	0	4	1	0	5	9	51
	6:30 AM	0	0	0	0	0	3	0	0	0	3	1	0	2	0	3	0	1	2	0	3	9	60	
	6:45 AM	0	0	0	0	0	2	2	0	0	4	4	0	3	0	7	0	6	1	0	7	18	71	
	7:00 AM	0	0	0	0	0	2	5	0	0	7	4	0	2	0	6	0	2	0	0	2	15	84	
	7:15 AM	0	0	0	0	0	4	6	0	0	10	1	0	4	0	5	0	3	0	0	3	18	98	
	7:30 AM	0	0	0	0	0	4	3	0	0	7	3	1	4	0	8	0	5	0	0	5	20	109	
	7:45 AM	0	0	0	0	0	2	9	0	0	11	3	0	4	0	7	0	13	0	0	13	31	126	
	8:00 AM	0	0	0	0	0	1	8	0	0	9	6	0	4	0	10	0	7	3	0	10	29	121	
	8:15 AM	0	0	0	0	0	4	5	0	0	9	6	0	9	0	15	0	4	1	0	5	29	92	
	8:30 AM	0	0	0	0	0	7	11	0	0	18	5	0	4	0	9	0	8	2	0	10	37	94	
	8:45 AM	0	0	0	0	0	4	4	0	0	8	3	0	4	0	7	0	7	4	0	11	26	86	
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91		
9:15 AM	0	0	0	0	0	6	4	0	0	10	5	0	7	0	12	0	8	1	0	9	31	115		
9:30 AM	0	0	0	0	0	1	8	0	0	9	3	0	7	0	10	0	7	3	0	10	29	117		
9:45 AM	0	0	0	0	0	4	8	0	0	12	6	0	6	0	12	0	6	1	0	7	31	120		
Midday Peak Period	10:00 AM	0	0	0	0	0	7	4	0	0	11	3	0	2	0	5	0	6	2	0	8	24	121	
	10:15 AM	0	0	0	0	0	4	12	0	0	16	2	0	9	0	11	0	6	0	0	6	33	135	
	10:30 AM	0	0	0	0	0	4	8	0	0	12	3	0	6	0	9	0	11	0	0	11	32	124	
	10:45 AM	0	0	0	0	0	3	10	0	0	13	4	0	3	0	7	0	9	3	0	12	32	117	
	11:00 AM	0	0	0	0	0	2	7	0	0	9	7	0	10	0	17	0	8	4	0	12	38	114	
	11:15 AM	0	0	0	0	0	0	8	0	0	8	3	0	4	0	7	0	6	1	0	7	22	103	
	11:30 AM	0	0	0	0	0	3	6	0	0	9	6	0	3	0	9	0	5	2	0	7	25	106	
	11:45 AM	0	0	0	0	0	2	6	0	0	8	8	0	5	0	13	0	5	3	0	8	29	106	
	12:00 PM	0	0	0	0	0	3	9	0	0	12	3	0	4	0	7	0	5	3	0	8	27	101	
	12:15 PM	0	0	0	0	0	5	6	0	0	11	4	0	4	0	8	0	4	2	0	6	25	97	
	12:30 PM	0	0	0	0	0	3	9	0	0	12	2	0	2	0	4	0	9	0	0	9	25	95	
	12:45 PM	0	0	0	0	0	2	5	0	0	7	8	0	1	0	9	0	4	4	0	8	24	110	
	1:00 PM	0	0	0	0	0	0	5	0	0	5	4	0	6	0	10	0	8	0	0	8	23	113	
	1:15 PM	0	0	0	0	0	1	3	0	0	4	7	0	4	0	11	0	6	2	0	8	23	122	
	1:30 PM	0	0	0	0	0	3	7	0	0	10	6	0	10	0	16	0	10	4	0	14	40	124	
	1:45 PM	0	0	0	0	0	3	14	0	0	17	2	0	2	0	4	0	4	2	0	6	27	110	
PM Peak Period	2:00 PM	0	0	0	0	0	4	10	0	0	14	2	0	8	0	10	0	6	2	0	8	32	114	
	2:15 PM	0	0	0	0	0	3	4	0	0	7	2	0	7	0	9	0	8	1	0	9	25	111	
	2:30 PM	0	0	0	0	0	1	2	0	0	3	5	0	6	0	11	0	8	4	0	12	26	105	
	2:45 PM	0	0	0	0	0	6	6	0	0	12	5	0	3	0	8	0	10	1	0	11	31	101	
	3:00 PM	0	0	0	0	0	4	5	0	0	9	3	0	11	0	14	0	6	0	0	6	29	87	
	3:15 PM	0	0	0	0	0	6	5	0	0	11	2	0	3	0	5	0	3	0	0	3	19	76	
	3:30 PM	0	0	0	0	0	3	5	0	0	8	2	0	8	0	10	0	4	0	0	4	22	71	
	3:45 PM	0	0	0	0	0	3	4	0	0	7	3	0	3	0	6	0	3	1	0	4	17	67	
	4:00 PM	0	0	0	0	0	2	4	0	0	6	5	0	3	0	8	0	1	3	0	4	18	56	
	4:15 PM	0	0	0	0	0	0	1	0	0	1	5	0	7	0	12	0	1	0	0	1	14	42	
	4:30 PM	0	0	0	0	0	2	2	0	0	4	4	0	3	0	7	0	5	2	0	7	18	41	
	4:45 PM	0	0	0	0	0	0	0	0	0	0	5	0	0	0	5	0	1	0	0	1	6	28	
	5:00 PM	0	0	0	0	0	0	1	0	0	1	1	0	2	0	3	0	0	0	0	0	4	27	
	5:15 PM	0	0	0	0	0	1	5	0	0	6	5	0	1	0	6	0	0	1	0	1	13		
	5:30 PM	0	0	0	0	0	1	3	0	0	4	0	0	0	0	0	0	0	1	0	1	5		
	5:45 PM	0	0	0	0	0	1	1	0	0	2	2	0	0	0	2	0	1	0	0	1	5		
	6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	7:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	7:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
8:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
8:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
8:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
9:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
9:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
9:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Totals		0	0	0	0	0	126	251	0	0	377	175	1	203	0	379	0	245	67	0	312	1068		

Peak Hour Heavy Vehicle Volume Summary

Hourly Time Period Start Time	From North					From East					From South					From West					Total Hourly Volume
	441 NB ON RAMP					CTH OO (Northland Ave)					441 NB OFF RAMP					CTH OO (Northland Ave)					
	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	
AM 7:15 AM	0	0	0	0	0	11	26	0	0	37	13	1	16	0	30	0	28	3	0	31	98
MD 1:00 PM	0	0	0	0	0	7	29	0	0	36	19	0	22	0	41	0	28	8	0	36	113
PM 4:30 PM	0	0	0	0	0	3	8	0	0	11	15	0	6	0	21	0	6	3	0	9	41

15-Minute Heavy Vehicle Percentages

441 NB ON RAMP and CTH OO (Northland Ave)

Peak Hour Heavy Vehicle Percentages Summary

Hourly Time Period Start Time	From North					From East					From South					From West					Hourly Heavy Vehicle Percent
	441 NB ON RAMP					CTH OO (Northland Ave)					441 NB OFF RAMP					CTH OO (Northland Ave)					Vehicle Percent
	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	Right	Thru	Left	U-Tn	Total	
AM 7:15 AM	0.0	0.0	0.0	0.0	0.0	12.5	3.2	0.0	0.0	4.1	5.3	100.0	1.9	0.0	2.7	0.0	15.7	9.1	0.0	14.7	4.4
MD 1:00 PM	0.0	0.0	0.0	0.0	0.0	14.0	6.6	0.0	0.0	7.3	8.8	0.0	5.3	0.0	6.5	0.0	8.5	22.2	0.0	9.9	7.6
PM 4:30 PM	0.0	0.0	0.0	0.0	0.0	4.7	1.4	0.0	0.0	1.7	2.9	0.0	1.5	0.0	2.2	0.0	1.1	2.8	0.0	1.4	1.8

Intersection Traffic Volume Report

Count Basics			Page 11 of 11
Start Date:	Tuesday, December 06, 2011	Weekday	Schools in Session
Total Number of Hours Counted:	12	Non-Holiday	No Special Events

15-Minute Pedestrian and Bicyclist Data

441 NB ON RAMP and CTH OO (Northland Ave)



15-Minute Pedestrian and Bicyclist Data

15-Minute Time Period Start Time		Crossing 			Crossing 			Crossing 			Crossing 			15-Min Totals	Hourly Sum
		North Approach			East Approach			South Approach			West Approach				
		Pedestrian	Bicyclist	Total	Pedestrian	Bicyclist	Total	Pedestrian	Bicyclist	Total	Pedestrian	Bicyclist	Total		
		441 NB ON RAMP			CTH OO (Northland Ave)			441 NB OFF RAMP			CTH OO (Northland Ave)				
		Pedestrian	Bicyclist	Total	Pedestrian	Bicyclist	Total	Pedestrian	Bicyclist	Total	Pedestrian	Bicyclist	Total		
AM Peak Period	6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	6:15 AM	0	0	0	1	0	1	0	0	0	0	0	0	1	1
	6:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Midday Peak Period	10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Peak Period	2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	2:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	2:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	2:45 PM	0	0	0	1	0	1	1	0	1	0	0	0	2	6
	3:00 PM	0	0	0	1	0	1	0	0	0	0	0	0	1	4
	3:15 PM	0	0	0	0	1	1	0	0	0	0	0	0	1	6
	3:30 PM	0	0	0	2	0	2	0	0	0	0	0	0	2	5
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	4:00 PM	0	0	0	0	0	0	3	0	3	0	0	0	3	4
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	4:45 PM	0	0	0	0	0	0	1	0	1	0	0	0	1	3
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	5:15 PM	0	0	0	0	0	0	2	0	2	0	0	0	2	
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	
8:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0		
8:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0		
8:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0		
8:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0		
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0		
9:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0		
9:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0		
9:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0		
Totals		0	0	0	5	1	6	7	0	7	0	0	0	13	

Special Pedestrians

Pedestrian Type	None	1 or 2	A Few	Several	Many	Unknown
Pre-school Children	x					
Elementary School Age Children	x					
Visually Impaired (white cane/helper dog)	x					
Elderly/Disabled (except wheelchairs)	x					
Wheelchairs/Electric Scooters	x					
Other (None)	x					