

# Short Elliott Hendrickson Inc.

3535 Vadnais Center Drive  
St. Paul, MN 55110

"Building a Better World for All of Us"



## TRAFFIC DATA

I-94 & McKnight Rd N Ramp

Ref.Pt.: 246.660

Data By: Short Elliott Hendrickson, Inc.

TURN MOVEMENT COUNT

File Name : I-94 & McKnight Rd N Ramp 2019

Site Code : 6a

Start Date : 4/30/2019

Page No : 1

### Groups Printed- Vehicles - Trucks

Start Time	McKnight Rd Southbound					I-94 Westbound Ramp Westbound					McKnight Rd Northbound					I-94 Westbound Ramp Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
06:00	0	37	58	0	95	4	5	11	0	20	53	92	0	0	145	0	0	0	0	0	260
06:15	0	59	62	0	121	10	4	12	0	26	58	119	0	0	177	0	0	0	1	1	325
06:30	0	72	49	0	121	16	47	36	0	99	56	194	0	0	250	0	0	0	1	1	471
06:45	0	83	43	0	126	34	69	38	0	141	53	250	0	0	303	0	0	0	0	0	570
Total	0	251	212	0	463	64	125	97	0	286	220	655	0	0	875	0	0	0	2	2	1626
07:00	0	76	49	0	125	42	97	54	0	193	71	287	0	0	358	0	0	0	0	0	676
07:15	0	90	31	1	122	38	133	44	0	215	78	364	0	0	442	0	0	0	0	0	779
07:30	0	89	18	0	107	35	107	45	0	187	57	409	0	0	466	0	0	0	0	0	760
07:45	0	97	22	0	119	45	97	62	0	204	55	472	0	0	527	0	0	0	0	0	850
Total	0	352	120	1	473	160	434	205	0	799	261	1532	0	0	1793	0	0	0	0	0	3065
08:00	0	101	26	0	127	37	76	65	0	178	49	352	0	0	401	0	0	0	0	0	706
08:15	0	79	30	0	109	22	51	55	0	128	53	347	0	0	400	0	0	0	0	0	637
08:30	0	58	52	3	113	10	21	20	0	51	53	260	0	0	313	0	0	0	2	2	479
08:45	0	97	43	2	142	14	13	25	1	53	73	224	0	0	297	0	0	0	1	1	493
Total	0	335	151	5	491	83	161	165	1	410	228	1183	0	0	1411	0	0	0	3	3	2315
09:00	0	75	46	0	121	14	18	23	0	55	64	190	0	0	254	0	0	0	1	1	431
09:15	0	76	50	0	126	11	23	22	0	56	51	140	0	0	191	0	0	0	0	0	373
09:30	0	59	50	0	109	13	10	18	0	41	54	107	0	0	161	0	0	0	0	0	311
09:45	0	87	48	0	135	11	15	19	0	45	39	119	0	0	158	0	0	0	1	1	339
Total	0	297	194	0	491	49	66	82	0	197	208	556	0	0	764	0	0	0	2	2	1454
10:00	0	75	43	0	118	8	10	13	0	31	41	88	0	0	129	0	0	0	2	2	280
10:15	0	79	42	1	122	12	22	19	0	53	46	83	0	0	129	0	0	0	0	0	304
10:30	0	66	49	0	115	14	22	11	0	47	46	79	0	0	125	0	0	0	0	0	287
10:45	0	68	43	0	111	25	18	13	0	56	35	74	0	0	109	0	0	0	0	0	276
Total	0	288	177	1	466	59	72	56	0	187	168	324	0	0	492	0	0	0	2	2	1147
11:00	0	74	47	0	121	25	27	16	0	68	42	73	0	0	115	0	0	0	0	0	304
11:15	0	87	45	0	132	33	27	22	0	82	29	125	0	0	154	0	0	0	0	0	368
11:30	0	117	40	0	157	23	39	30	0	92	32	103	0	0	135	0	0	0	0	0	384
11:45	0	83	45	0	128	24	39	13	0	76	46	115	0	0	161	0	0	0	0	0	365
Total	0	361	177	0	538	105	132	81	0	318	149	416	0	0	565	0	0	0	0	0	1421
12:00	0	109	48	0	157	23	35	26	0	84	49	105	0	0	154	0	0	0	0	0	395
12:15	0	82	50	0	132	25	28	28	0	81	44	96	0	0	140	0	0	0	0	0	353
12:30	0	101	58	0	159	17	26	16	1	60	44	120	0	0	164	0	0	0	0	0	383
12:45	0	110	58	0	168	19	34	20	0	73	41	115	0	0	156	0	0	0	0	0	397
Total	0	402	214	0	616	84	123	90	1	298	178	436	0	0	614	0	0	0	0	0	1528
13:00	0	111	50	0	161	21	38	38	0	97	48	101	0	0	149	0	0	0	0	0	407
13:15	0	62	51	0	113	21	20	28	0	69	51	106	0	0	157	0	0	0	0	0	339
13:30	0	83	43	0	126	28	28	25	0	81	34	81	0	0	115	0	0	0	0	0	322
13:45	0	89	42	0	131	24	23	25	0	72	37	112	0	0	149	0	0	0	0	0	352
Total	0	345	186	0	531	94	109	116	0	319	170	400	0	0	570	0	0	0	0	0	1420

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Start Time	McKnight Rd Southbound					I-94 Westbound Ramp Westbound					McKnight Rd Northbound					I-94 Westbound Ramp Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
14:00	0	97	57	0	154	22	20	11	0	53	53	97	0	0	150	0	0	0	0	0	357
14:15	0	105	62	0	167	27	18	23	0	68	40	105	0	0	145	0	0	0	0	0	380
14:30	0	97	72	0	169	20	43	22	0	85	47	131	0	0	178	0	0	0	0	0	432
14:45	0	102	57	0	159	34	26	34	0	94	49	107	0	0	156	0	0	0	0	0	409
Total	0	401	248	0	649	103	107	90	0	300	189	440	0	0	629	0	0	0	0	0	1578
15:00	0	134	83	0	217	48	40	33	0	121	39	119	0	0	158	0	0	0	0	0	496
15:15	0	182	69	0	251	42	44	25	0	111	37	158	0	0	195	0	0	0	1	1	558
15:30	0	141	99	0	240	39	55	34	0	128	51	148	0	0	199	0	0	0	0	0	567
15:45	0	140	101	0	241	41	59	26	0	126	46	146	0	0	192	0	0	0	1	1	560
Total	0	597	352	0	949	170	198	118	0	486	173	571	0	0	744	0	0	0	2	2	2181
16:00	0	160	131	0	291	70	80	32	0	182	55	131	0	0	186	0	0	0	0	0	659
16:15	0	181	137	1	319	95	67	36	0	198	50	130	0	0	180	0	0	0	1	1	698
16:30	0	159	124	2	285	73	93	47	0	213	56	161	0	0	217	0	0	0	3	3	718
16:45	0	195	107	0	302	79	83	43	0	205	52	168	0	0	220	0	0	0	0	0	727
Total	0	695	499	3	1197	317	323	158	0	798	213	590	0	0	803	0	0	0	4	4	2802
17:00	0	190	135	0	325	82	71	42	0	195	53	148	0	0	201	0	0	0	0	0	721
17:15	0	191	98	0	289	89	95	35	0	219	52	136	0	0	188	0	0	0	0	0	696
17:30	0	160	100	0	260	64	78	34	0	176	60	146	0	0	206	0	0	0	0	0	642
17:45	0	154	64	0	218	49	47	25	0	121	58	97	0	0	155	0	0	0	0	0	494
Total	0	695	397	0	1092	284	291	136	0	711	223	527	0	0	750	0	0	0	0	0	2553
18:00	0	144	70	0	214	41	43	20	0	104	61	110	0	0	171	0	0	0	2	2	491
18:15	0	110	58	1	169	34	32	22	0	88	43	103	0	0	146	0	0	0	2	2	405
18:30	0	113	44	0	157	19	28	17	0	64	43	86	0	0	129	0	0	0	3	3	353
18:45	0	90	46	0	136	36	33	22	0	91	42	76	0	0	118	0	0	0	1	1	346
Total	0	457	218	1	676	130	136	81	0	347	189	375	0	0	564	0	0	0	8	8	1595
Grand Total	0	5476	3145	11	8632	1702	2277	1475	2	5456	2569	8005	0	0	10574	0	0	0	23	23	24685
Apprch %	0	63.4	36.4	0.1		31.2	41.7	27	0		24.3	75.7	0	0		0	0	0	100		
Total %	0	22.2	12.7	0	35	6.9	9.2	6	0	22.1	10.4	32.4	0	0	42.8	0	0	0	0.1	0.1	
Vehicles	0	5283	3047			1679	2254	1443			2487	7780			10267						24005
% Vehicles	0	96.5	96.9	81.8	96.6	98.6	99	97.8	50	98.6	96.8	97.2	0	0	97.1	0	0	0	95.7	95.7	97.2
Trucks	0	193	98	2	293	23	23	32	1	79	82	225	0	0	307	0	0	0	1	1	680
% Trucks	0	3.5	3.1	18.2	3.4	1.4	1	2.2	50	1.4	3.2	2.8	0	0	2.9	0	0	0	4.3	4.3	2.8

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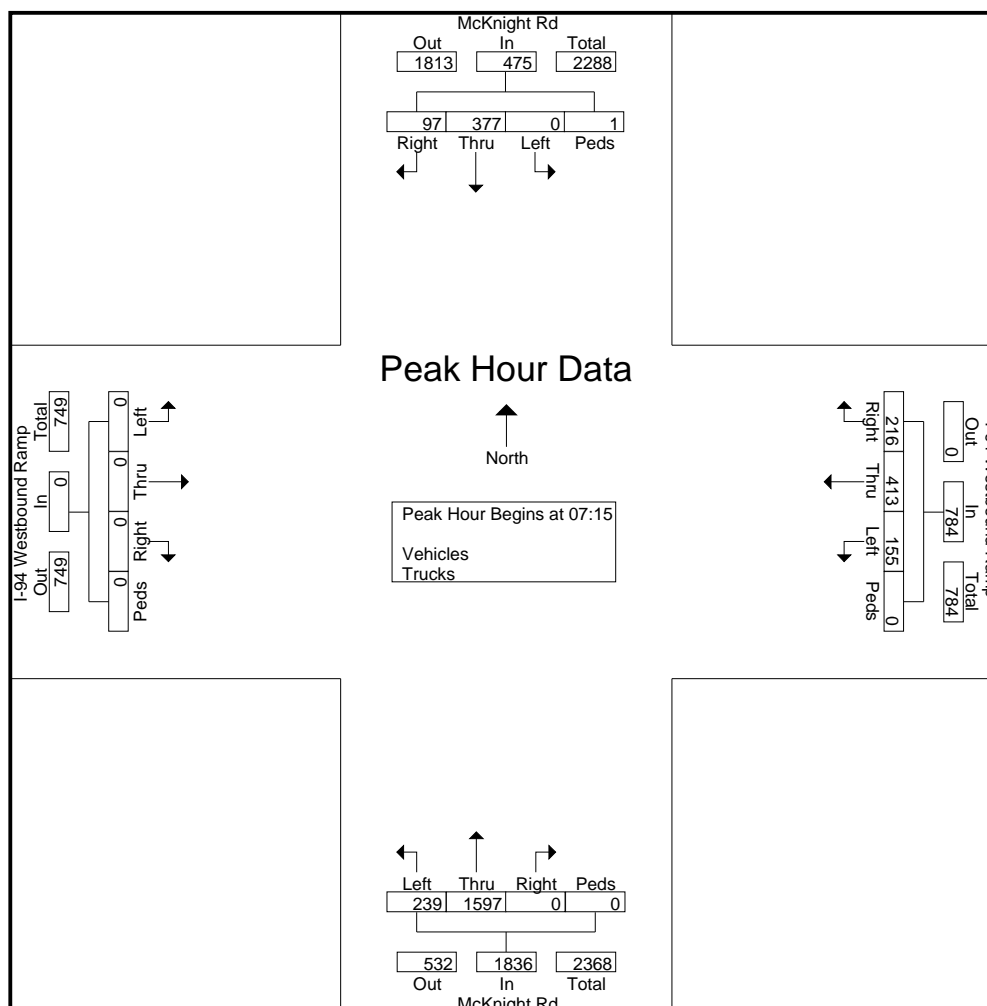
File Name : I-94 & McKnight Rd N Ramp 2019

Site Code : 6a

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	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15																					
07:15	0	90	31	1	122	38	133	44	0	215	78	364	0	0	442	0	0	0	0	0	779
07:30	0	89	18	0	107	35	107	45	0	187	57	409	0	0	466	0	0	0	0	0	760
07:45	0	97	22	0	119	45	97	62	0	204	55	472	0	0	527	0	0	0	0	0	850
08:00	0	101	26	0	127	37	76	65	0	178	49	352	0	0	401	0	0	0	0	0	706
Total Volume	0	377	97	1	475	155	413	216	0	784	239	1597	0	0	1836	0	0	0	0	0	3095
% App. Total	0	79.4	20.4	0.2		19.8	52.7	27.6	0		13	87	0	0		0	0	0	0		
PHF	.000	.933	.782	.250	.935	.861	.776	.831	.000	.912	.766	.846	.000	.000	.871	.000	.000	.000	.000	.000	.910



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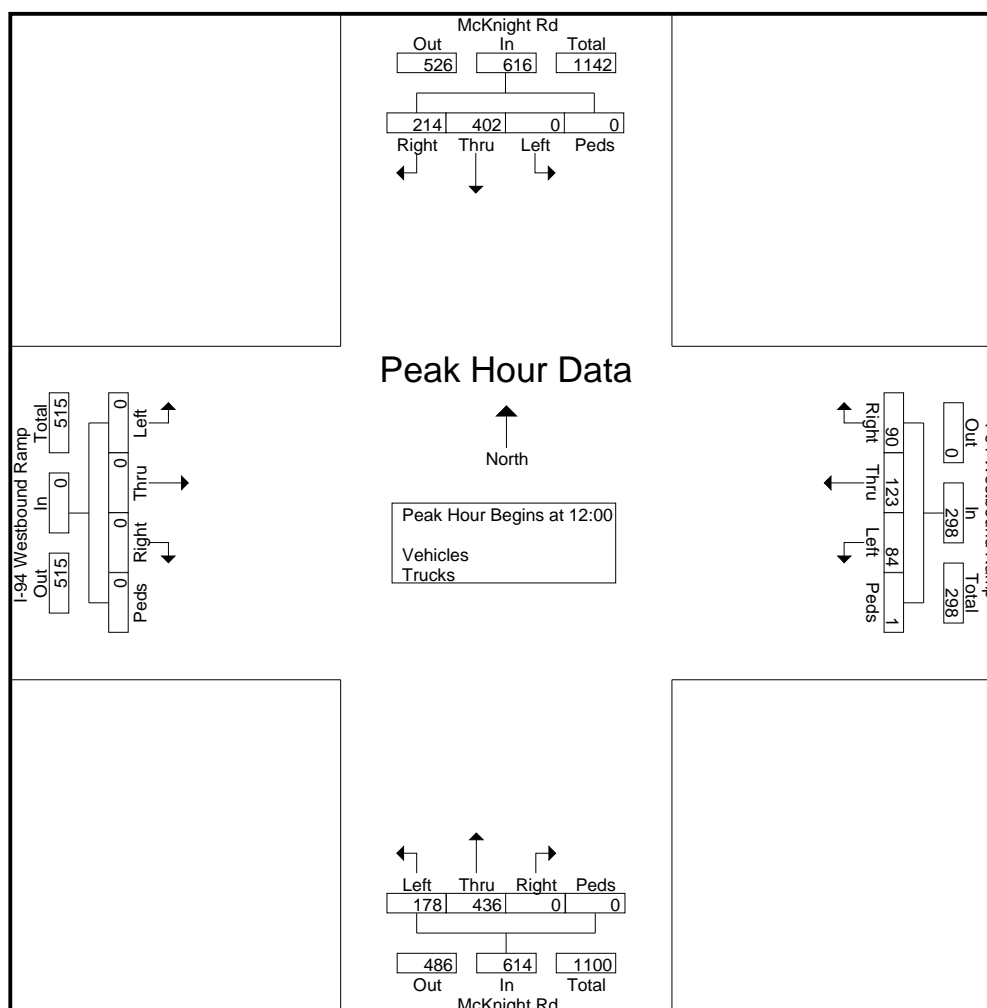
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	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 11:00 to 12:45 - Peak 1 of 1 Peak Hour for Entire Intersection Begins at 12:00																					
12:00	0	109	48	0	157	23	35	26	0	84	49	105	0	0	154	0	0	0	0	0	395
12:15	0	82	50	0	132	25	28	28	0	81	44	96	0	0	140	0	0	0	0	0	353
12:30	0	101	58	0	159	17	26	16	1	60	44	120	0	0	164	0	0	0	0	0	383
12:45	0	110	58	0	168	19	34	20	0	73	41	115	0	0	156	0	0	0	0	0	397
Total Volume	0	402	214	0	616	84	123	90	1	298	178	436	0	0	614	0	0	0	0	0	1528
% App. Total	0	65.3	34.7	0		28.2	41.3	30.2	0.3		29	71	0	0		0	0	0	0		
PHF	.000	.914	.922	.000	.917	.840	.879	.804	.250	.887	.908	.908	.000	.000	.936	.000	.000	.000	.000	.000	.962



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	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:15																					
16:15	0	181	137	1	319	95	67	36	0	198	50	130	0	0	180	0	0	0	1	1	698
16:30	0	159	124	2	285	73	93	47	0	213	56	161	0	0	217	0	0	0	3	3	718
16:45	0	195	107	0	302	79	83	43	0	205	52	168	0	0	220	0	0	0	0	0	727
17:00	0	190	135	0	325	82	71	42	0	195	53	148	0	0	201	0	0	0	0	0	721
Total Volume	0	725	503	3	1231	329	314	168	0	811	211	607	0	0	818	0	0	0	4	4	2864
% App. Total	0	58.9	40.9	0.2		40.6	38.7	20.7	0		25.8	74.2	0	0		0	0	0	100		
PHF	.000	.929	.918	.375	.947	.866	.844	.894	.000	.952	.942	.903	.000	.000	.930	.000	.000	.000	.333	.333	.985

